



# Phase One Environmental Site Assessment

**600 March Road, Kanata (Ottawa), Ontario**

Nokia Canada Inc.

September 5, 2024

→ **The Power of Commitment**



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# 1. Executive Summary

GHD was retained by Nokia Canada Inc. (Nokia) to conduct a Phase One Environmental Site Assessment (ESA) of the parking lot property that is currently part of the overall Nokia property (Overall Nokia Property) located at 600 March Road in Kanata (Ottawa), Ontario; the parking lot property will be hereinafter referred to as the Site or Phase One Property. The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Phase One Property is approximately 5.2 hectares (ha) in size and currently consists of surface level car parking and landscaped areas. Prior to the current development, the Phase One Property was vacant and/or used for agricultural purposes. The Site is currently owned by Nokia.

The Phase One ESA was conducted in accordance with the requirements of Ontario Regulation (O. Reg.) 153/04 – Record of Site Condition (O. Reg. 153/04), as amended. The purpose of the Phase One ESA is to identify, through a non-intrusive investigation, the existence of any Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs) associated with the Site. PCAs and APECs are defined in O. Reg. 153/04. Previous environmental reports have been prepared for the Site, which are attached as an Appendix to this report.

It is GHD's understanding that Nokia intends develop the Phase One Property with a new office complex including new high-rise office and retail building, six-storey lab building, and four storey-parking garage, all with associated underground parking. The Phase One ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The preparation and submission a Record of Site Condition (RSC) to the Ontario Ministry of Environment, Conservation, and Parks (MECP) in accordance with O. Reg. 153/04, is not required at this time since the property usage is remaining the same (commercial/industrial).

The Phase One ESA was conducted by Mr. Joseph Drader and was reviewed by Mr. Warren Croft, both of GHD. Mr. Drader and Mr. Croft are Qualified Persons as defined with O. Reg. 153/04. The qualifications of Mr. Drader and Mr. Croft are presented in **Appendix A**.

Based on the results of the Phase One ESA, including the Site inspection, information provided by Site representatives and regulatory agencies, documents reviewed, previous environmental reports, and the review of Site history, no APECs were identified to be associated with the Site.

Based on the information obtained in completing this Phase One ESA, it is our opinion that a Phase Two ESA is not required to characterize soil and groundwater quality at the Phase One Property.

## 2. Introduction

### 2.1 Phase One ESA Property Information

GHD was retained by Nokia Canada Inc. (Nokia) to conduct a Phase One Environmental Site Assessment (ESA) of the parking lot property that is currently part of the overall Nokia property (Overall Nokia Property) located at 600 March Road in Kanata (Ottawa), Ontario; the parking lot property will be hereinafter referred to as the Site or Phase One Property. A Site Location Map and a Site Plan are provided on **Figure 1** and **Figure 2**, respectively.

The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Phase One Property is approximately 5.2 ha in size and currently consists of surface level car parking and landscaped areas. Prior to the current development, the Phase One Property was vacant and/or used for agricultural purposes.

A legal survey of the Overall Nokia Property is provided in the 2022 Phase One ESA report (refer Section 4.1.6 and **Appendix B**). The Site contains two parcels with the following property identification numbers (PINs) and descriptions:

- 04517-0467 (LT) (parking lot) | PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.
- 04517-0809 (LT) (parking lot) | Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.

The Site is currently owned by Nokia Canada Inc., and it is understood the Nokia is looking to improve its existing campus, including new high-rise office and retail building, six-storey lab building, and four storey-parking garage, all with associated underground parking. Contact information for Nokia representative is listed below:

Margaret Wolodarski, Program Manager, Ottawa Innovation Campus  
 Nokia Canada Inc.  
 600 March Road  
 Ottawa, Ontario K2K 2T6  
 Phone: (613) 843-0660  
 Email: margaret.wolodarski@nokia.com

### 3. Scope of Investigation

The Phase One ESA was conducted in accordance with the requirements of O. Reg. 153/04 – Record of Site Condition, as amended. The purpose of the Phase One ESA is to identify, through a non-intrusive investigation, the existence of any PCAs and APECs associated with the Site. PCAs and APECs are defined in O. Reg. 153/04.

It is GHD's understanding that Nokia intends to develop the Phase One Property with a new office complex as noted in Section 2. The Phase One ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The preparation and submission of an RSC to the Ontario MECP in accordance with O. Reg. 153/04 is not required at this time since the property usage is remaining the same (commercial/industrial).

The following tasks were conducted as part of the Phase One ESA:

- Review of an electronic environmental database search of federal, provincial, and private source databases.
- Review of Phase One Property title records.
- Review of available historical records including fire insurance plans, aerial photographs of the Site and surrounding area, regional geological information, and previous environmental reports.
- Review of past and current Phase One Property usage and adjacent property occupancy.
- Examination of the facilities, equipment, utility services, operations, and associated records for the Site.
- Observations of any conditions that represented potential environmental concerns.
- Review of chemical use and storage, and spill/release incidents.
- Review of aboveground and underground storage tank records.
- Review of waste handling, accumulation, storage, and disposal practices.
- Review of air emissions and wastewater discharges.
- Review of equipment that potentially contains chlorofluorocarbons.
- Review of equipment that potentially contains polychlorinated biphenyls.
- Observations of potential lead-based paint.
- Observations of potential asbestos-containing materials.
- Inquiries with regulatory agencies and interviews with persons knowledgeable of the Site and Site operations.

In completing the Phase One ESA, GHD relied on information received from all parties as being accurate unless contradicted by written documentation or field observations.



The following report summarizes the information gathered by GHD during the Phase One ESA and identifies any PCAs and APECs associated with the Site. PCAs and APECs are defined in O. Reg. 153/04. As required by O. Reg. 153/04, this Phase One ESA also identifies any potential contamination migration pathways and receptors associated with the Property, to the extent that the data compiled allows.

## 3.1 Limitations

*This report has been prepared by GHD for Nokia and may only be used and relied on by Nokia for the purpose agreed between GHD and Client (Nokia).*

*GHD otherwise disclaims responsibility to any person other than the Client arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.*

*The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.*

*The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.*

*The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.*

## 4. Records Review

### 4.1 General

#### 4.1.1 Phase One Study Area Determination

The Phase One Study Area included all properties located wholly or partially within 250 metres (m) of the boundary of the Site, as required by O. Reg. 153/04. This area has been determined by GHD to be a sufficient study area since PCAs and/or APECs located beyond 250 m from the Site will not likely adversely impact the Property.

The adjacent and surrounding properties within the Phase One Study Area were visually inspected from the Site and/or nearby streets, without accessing the properties, for evidence of existing or potential environmental concerns related to the Phase One ESA. GHD also visually inspected all of the surrounding properties within the Phase One Study Area that were visible from applicable streets.

Along with various residential, commercial, and vacant properties located within the Phase One Study Area, a couple business park areas (known as the Kanata Research Park and Kanata North Technology Park) were identified. Although various potential technology and/or research manufacturing may be conducted on the interior of these buildings/properties, the exterior of many of the buildings/properties appeared to be operated solely as offices with no apparent manufacturing being conducted based on GHD's visual inspection, unless as noted below.

Information regarding adjacent/surrounding properties within the Phase One Study Area are noted below:

#### North

The Site is bound to the north by the current Nokia Office Complex (construction of parking lot observed west and south of the buildings), beyond which is Legget Drive and Terry Fox Drive and the following properties:

- Office buildings at 555 Legget Drive (multiple businesses).
- Wooded area beyond Terry Fox Drive.

- Office building at 359 Terry Fox Drive (multiple businesses).
- Office building at 362 Terry Fox Drive (B.J. Kane Electric Ltd [commercial and industrial electrical services]) beyond Terry Fox Drive.

## East

The Site is bound to the east by Legget Drive, beyond which are the following properties (north to south):

- Office building at 535 Legget Drive (multiple businesses).
- Brookstreet Hotel and Conference Center at 525 Legget Drive, beyond which is a golf course and stormwater ponds.
- Office building at 515 Legget Drive (multiple businesses).
- Office building at 425 Legget Drive (Renaissance).

## South

The Site is bound to the south by the following properties:

- Office and possible manufacturing (Sanmina Corporation – Optical, RF/Microwave products) property at 500 March Road (adjacent).
- Vacant, wooded property with evidence of a creek running through it at 490 March Road.
- Office building at 3001 Solandt Road (nanometrics [electronics services]).
- Office building at 40 Hines Road (Trend Micro [cybersecurity]; across March Road to the southwest).
- Office building at 495 March Road (multiple businesses; across March Road to the southwest).

## West

The Site is bound to the west by March Road, beyond which are the following properties (north to south):

- Office buildings at 603 March Road and 375 Terry Fox Drive (Renasas [microcontrollers, analog and power devices] and TalentLab [IT Recruiters]).
- Vacant, wooded property.
- Commercial strip mall property at 591 March Road; includes following businesses: insurance, veterinary hospital, restaurants, pet grooming and supplies, spa.
- Power Muscle & Fitness (Gym) property at 555 March Road.
- Commercial property (insurance company and medicine wellness centre) at 525 March Road.
- Office building at 88 Hines Road (Telemus [electric warfare systems] and CCI Antennas [wireless equipment]).
- Office buildings at 80 and 84 Hines Road (multiple businesses at both buildings).
- Royal Canadian Legion at 70 Hines Road.
- Office buildings at 505 March Road and 50 Hines Road (multiple businesses at both buildings).

Based on GHD's observations during the Site inspection, the operations of the Nokia Office Complex on the adjacent property to the north and the Sanmina Corporation on the adjacent property to the south at 500 March Road are identified as PCAs (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, based on GHD's Phase Two ESA report of the Nokia property (dated July 19, 2022) and GHD's Groundwater Sampling Activities letter for the Site (dated August 12, 2024) (both documents referenced in Section 4.1.6), all analyzed soil and groundwater samples collected at the Site near the adjacent properties to the north and south were below applicable site condition standards noted in Ontario MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*," dated April 15, 2011. Therefore, the Nokia and Sanmina operations were not identified as having the potential to contribute to an APEC at the Site.

## 4.1.2 First Developed Use Determination

Based on GHD's review of historical documents and information gathered from Site interviews, the Site was vacant and/or used for agricultural purposes between 1930 and 1991. Between 1991 and 1999, a surface level parking lot was constructed on the Site associated with the office buildings located on the adjacent property to the north.

## 4.1.3 Fire Insurance Plans

Fire insurance plans assist in the identification of historical land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements, and facility operations. No coverage for the Site and adjacent lands were found on existing fire insurance plans.

## 4.1.4 Chain of Title

GHD was provided chain of title search documentation for the Overall Nokia Property as reported in GHD's Phase One ESA report (dated April 20, 2022; refer to Section 4.1.6). Title search documents go back to 1988 which is an acceptable time period based on review of aerial photographs (refer to Section 4.3.1) and the Phase One Property having not been developed till after 1991. The results of the title search and deviations in ownership of the Site are summarized below.

Year	Property Ownership
<b>04517-0467 (LT) (parking lot)   PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.</b>	
November 1994 to January 2022 (date of search)	Newbridge Networks Corporation Additional Notice Agreements identified during this period: – Corporation of the City of Kanata – Kanata Research Park Corporation
<b>04517-0809 (LT) (parking lot)   Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.</b>	
May 1996 to January 2022 (date of search)	Newbridge Networks Corporation (transfer from Minto Developments Inc.) Additional Notice Agreements identified during this period: – Corporation of the City of Kanata – Kanata Research Park Corporation

No PCAs or APECs were identified based on available chain of title information.

## 4.1.5 Historical City Directories

Historical city directories generally document the occupants of municipal addresses on a yearly basis. Based on GHD's Phase One ESA report for the Overall Nokia Property (dated April 20, 2022; refer to Section 4.1.6), GHD did contract Environmental Risk Information Services Ltd. (ERIS) to conduct a search of available city directory information in their databases. It should be noted that a new search was not completed for this Phase One ESA, since subsequent city directories beyond 2011 are not available. A summary of the available Phase One ESA Study Area addresses and businesses listed as provided by ERIS is noted below:

- 600 March Road (Nokia site) was listed as Alcatel-Lucent in 2011, Alcatel Networks in 2001/02, and Newbridge Networks in 1996/1997 and 1992. Not listed in 2005/06.
- 555 March Road (west, across March Road) | Goodlife Fitness in 2011.
- 591 March Road (west, across March Road) | Royal Lepage (2011, 2005/06, 2001/02, 1996/97), Wine Craft (2011, 2001/02, 1996/97), Vet Hospital (2011, 2001/02, 1996/97, 1992), Bombay Masala (2011), Co-Operators (2011), Island Tanning (2001/02), Ashoka Indian Cuisine (2001/02), Appliance Experts (1996/97, 1992), Market Place (1996/97), Marchview Dry Cleaners (1996/97), Technology Brokers (1992), Bytes Donuts (1992).

- 603 March Road (west, across March Road) | Blair Networks in 2011. Not listed in 2005/06. Tundra Semi Conductor in 2001/02. Newbridge Networks in 1996/97 and 1992.
- 70 Hines Road (west, across March Road) | Canadian Legion in 2011 and 2005/06. PCL Constructors in 2001/02).
- 84 Hines Road (west, across March Road) | Certicom Corp (2011 and 2005/06), Irdeto Canada (2011), Sidense Corp (2011), Ashton Electronic Systems (2011), Arrow Electronics (2011), Psion Teklogix (2011), Metconnex Inc (2005/06), Colonnade Developments (2005/06), Taral Networks (2005/06), Telewatch Monitoring (2005/06), Cloakware Corp (2005/06), Sitecast Construction (2001/02).
- 88 Hines Road (west, across March Road) | Flexus Electronics (2011, 2005/06, 2001/02), Wescar Corp (2005/06), Telemus Inc. (2005/06, 2001/02), Arrow Electronics (2001/02).
- 95 Hines Road (west, across March Road and Hines Road) | Wescar Corp (2011, 2005/06, 2001/02, 1996/97), Value Added Solutions (2005/06, 2001/02), Omega Telemus (1996/97), I-Stat Canada (1996/1997).

Based on review of above city directory entries, the operation of a dry cleaners at 591 March Road (Marchview Dry Cleaners; 1996/97 directory) to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry-Cleaning Equipment) in accordance with O. Reg. 153/04. However, based on GHD's Phase Two ESA report of the Overall Nokia Property (dated July 19, 2022) and GHD's Groundwater Sampling Activities letter for the Site (dated August 12, 2024) (both documents referenced in Section 4.1.6), all analyzed soil and groundwater samples collected at the Site near the adjacent property to the west were below applicable site condition standards noted in Ontario MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*," dated April 15, 2011. Therefore, the dry-cleaning operations were not identified as having the potential to contribute to an APEC at the Site.

## 4.1.6 Environmental Reports

GHD previously completed the following environmental documents for the Site or Overall Nokia Property:

- Phase One Environmental Site Assessment (Report), 600 March Road, Kanata (Ottawa), Ontario, completed by GHD for Nokia Canada Inc., dated April 20, 2022
- Phase Two Environmental Site Assessment (Report), 600 March Road, Kanata (Ottawa), Ontario, completed by GHD for Nokia Canada Inc., dated July 19, 2022
- Groundwater Sampling Activities (Letter), Nokia Property Redevelopment, 600 March Road, Kanata (Ottawa), Ontario, completed by GHD for Nokia Canada Inc., dated August 12, 2024

GHD reviewed and summarized these documents below for this Phase One ESA.

### ***GHD Phase One Environmental Site Assessment (Overall Nokia Property) (April 20, 2022)***

GHD was retained by Nokia to conduct a Phase One ESA of the Overall Nokia Property located at 600 March Road in Kanata (Ottawa), Ontario. The Nokia property is approximately 10.39 ha (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 square metres [m<sup>2</sup>] of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads, and landscaped areas. The Nokia property is currently owned by Nokia and is used for office and research/development activities. Prior to the current development, the property was vacant and/or used for agricultural purposes.

The Phase One ESA was conducted in accordance with the requirements of O. Reg. 153/04, as amended. It was GHD's understanding that Nokia intended to amend the zoning of the property to add additional density and uses into an integrated live/work/play community. This includes the addition of two high rise buildings for labs and offices with at least one level of parking for each building and the potential to add more underground basement levels subject to the bedrock depth. The Phase One ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the site.



Based on the results of the Phase One ESA, including the site inspection, information provided by site representatives and regulatory agencies, documents reviewed, and the review of site history, the following APECs were identified to be associated with the larger Nokia property.

1. **Adjacent Manufacturing Operations** | Based on review of historical documentation and Site inspection, the electronic manufacturing operations of the Sanmina Corporation on the adjacent property to the south at 500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as APEC #1.
2. **Surrounding Dry-Cleaning Operations** | The operation of various dry cleaners at 591 March Road to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry-Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as APEC #2.
3. **Surrounding Historic Landfill** | The historic March Landfill (operated from 1963 to 1974) and associated groundwater contamination (chlorinated solvents that extend approximately 1.5 kilometres [km] from the former landfill) located northwest and west of the Site are identified as a PCA (#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners) in accordance with O. Reg. 153.04, and the northwest portion of the property boundary is identified as APEC #3.
4. **Surrounding Manufacturing Operations** | Newbridge Networks Corp at 603 March Road located west of the Site (across March Road) was identified in the CA database with approved/cancelled Industrial Air certificates around 1990-1991 for Exhaust Systems No. 1-5. In addition, Tundra Semiconductor Corp was identified with operations noted as "semiconductor and other electronic component manufacturing". The operations at 603 March Road are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the northwest property boundary is identified as APEC #4.
5. **Site Diesel Generator/Tank Operations** | Although no reported spills were identified by the Site Representative, due to snow covered exterior containment area and evidence of drips/staining from generator within the outbuilding (on top of flat tank), the operation of the exterior 4,540 litre AST is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04, and the fenced in area containing the generator and AST is identified as APEC #5.

Based on the information obtained in completing this Phase One ESA, it was GHD's opinion that a Phase Two ESA was required to characterize soil and groundwater quality at the Phase One Property before an RSC can be filled with the MECP. The Phase Two ESA should evaluate the presence or absence of soil or groundwater impact to the site from all identified APECs.

GHD reviewed the results of the previous Phase One ESA relative to the boundaries of the current Phase One ESA Property boundaries (southern parking lot area). Based on the review, each of the PCAs identified above were located on off-Site properties and were not located on the current Phase One ESA Property.

### **GHD Phase Two Environmental Site Assessment (Overall Nokia Property) (July 19, 2022)**

GHD was retained by Nokia to conduct a Phase Two ESA of the Overall Nokia Property located at 600 March Road in Kanata (Ottawa), Ontario. The Phase Two ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the site.

The Phase Two ESA was recommended based on the APECs identified in the GHD Phase One ESA (April 20, 2022), in order to assess the soil and groundwater quality at the site. The Phase Two ESA field activities were completed in May 2022, and included the advancement of boreholes into the overburden and bedrock stratigraphy, installation of overburden and bedrock monitoring wells, soil field screening and groundwater monitoring, and the collection and laboratory analysis of soil and groundwater samples for testing of contaminants of potential concern (CPCs) based upon visual and olfactory observations. CPCs included metals and inorganic compounds, polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), and/or general chemistry parameters.

A summary of the analytical results of the soil and groundwater quality are presented below:

- **Soil Quality** | Based on a review of the soil analytical results, all analyzed parameters had concentrations below the MECP Table 7 Standards. No associated impacts were noted for APEC #5 (Diesel Generator/Tank Operations).
- **Groundwater Quality** | Based on a review of the groundwater analytical results, all analyzed parameters had concentrations below the MECP Table 7 Standards with the exception of a chloride exceedance at BH17-22 (northwest corner of the Overall Nokia Property), assumed to be associated with snow plowing and road salt operations near the intersection of March Road and Terry Fox Drive. No associated impacts were noted for APEC #1 (Adjacent Manufacturing Operations), APEC #2 (Surrounding Dry-Cleaning Operations), APEC #3 (Surrounding Historic Landfill), APEC #4 (Surrounding Manufacturing Operations), and APEC #5 (Diesel Generator/Tank Operations).
- There was no evidence of measurable NAPL during the drilling or groundwater sampling activities.

***The Phase Two ESA results indicate that there are no potential impacts to soil and groundwater associated with the APECs. GHD recommended that monitoring wells (including the wells deemed dry during the May 2022 investigation) in the northern half of the Nokia property be resampled during future residential planning and when applying for a Record of Site Condition with the MECP. This recommendation is to ensure groundwater monitoring and quality data are up to date. GHD Groundwater Sampling Activities Letter (August 12, 2024)***

GHD conducted groundwater sampling activities at the site on April 27, 2023, to determine current groundwater conditions as part of Nokia's due diligence and future municipal planning approval purposes. Groundwater sampling was conducted at six existing groundwater monitoring wells installed in 2022 (BH01-22, BH02-22, BH03-22, BH06-22, BH11-22, and BH12-22) and three new monitoring wells installed in 2023 (BH3-23, BH4-23, and BH6-23). These well locations are presented on **Figure 2**.

Based on the site conditions and the definition of area of natural significance provided in O. Reg. 153/04, the groundwater analytical results on the site were assessed to the MECP Table 7: Full Depth Generic Site Conditions Standards for Shallow Soils in a Non-Potable Ground Water Condition (MECP Table 7 Standard). Based on GHD's review, all parameters were reported below MECP Table 7 Standards for the groundwater samples collected on April 27, 2023. These results are similar to the groundwater analytical results from the 2022 Phase Two ESA. GHD reported that no further groundwater sampling activities are recommended at this time.

### ***Mapping and Assessment of Former Industrial Sites, City of Ottawa***

GHD did a review of the report titled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" by Interra Technologies Ltd, dated July 1988, which provides the results of an inventory and preliminary assessment of 177 known former industrial sites in the City of Ottawa as of July 1988. Based on GHD's review, there is no coverage of the Site provided in this report.

Based on review of above previous environmental documents, all applicable soil and groundwater samples collected at the Site in 2022 and/or 2023 were below applicable MECP Standards. Therefore, previously identified PCAs/APECs do not have the potential to contribute to any current APECs at the Site.

## **4.2 Environmental Source Information**

### **4.2.1 Regulatory Review**

No concerns, complaints, notices of violation, or directives of an environmental nature issued against the Site by federal, provincial, or municipal environmental regulatory agencies have been disclosed to GHD.

#### **Ministry of Environment, Conservation and Parks (MECP)**

Included in GHD's Phase One ESA report for the Overall Nokia Property (dated April 20, 2022; refer to Section 4.1.6), GHD did submit a request to the MECP under the Freedom of Information (FOI) and Protection of Privacy Act relating

to the Overall Nokia Property. The requested information included environmental approvals, certificates and instruments maintained by the Ministry for the Site or for properties that may directly influence the environmental condition of the Site. A response from the MECP was received on September 7, 2022. It should be noted that a new FOI request was not completed for this Phase One ESA, due to operations at the Site (limited to parking lot) having not substantially changed since completion of the GHD Phase One ESA report in 2022. The MECP letter included the following documents:

- Waste Generator information for Alcatel Canada and Nokia Canada (both listed under Generator No. ON0044812; see Section 4.2.2 for additional waste class information).
- May 18, 2001, MECP Occurrence Report regarding MECP inspection to determine Alcatel's compliance with Regulation 347. It was reported that Alcatel stored subject wastes for more than 90 days without filing a waste storage report form as required. On June 22, 2001, MECP received the waste storage report form, and no further action required.
- July 12, 2001, MECP Occurrence Report to issue emergency manifest number for waste class #263A (waste poisonous solids nos "2 cyclohexyl-4, 6-dinitrophenol).
- August 14, 2001, MECP Occurrence Report to issue emergency manifest number for waste class #265L (liquid industrial waste "glue).

No PCAs or APECs were identified based on information provided in MECP documents.

### **City of Ottawa**

Included in GHD's Phase One ESA report for the Overall Nokia Property (dated April 20, 2022; refer to Section 4.1.6), GHD did submit a request to the City of Ottawa to complete a Historic Land Use Inventory (HLUI) database search relating to the Overall Nokia Property and Phase One Study Area. A response from the City of Ottawa was received on February 24, 2022. It should be noted that a new HLUI request was not completed for this Phase One ESA, due to operations at the Site (limited to parking lot) and adjacent properties having not substantially changed since completion of the GHD Phase One ESA report in 2022.

The following PCAs and/or APECs were identified by GHD associated with the Site and Phase One Study Area:

#### **North**

- Nokia Office Complex. Due to previous "Design and Manufacture of Digital Communication Products" comment under former Newbridge Networks Corp at the Site, these operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, based on the Site interviews and inspection (refer to Sections 5 and 6, respectively), any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings; therefore, these operations were not identified as having the potential to contribute to an APEC at the Site.
- Due to previous "Design and manufacture blast mate seismographs and watch mate wandering patient systems" comment under Instantel Inc. located northeast of the Site at 362 Terry Fox Drive, these operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.

#### **West**

- The historic March Landfill (operated from 1963 to 1974) and associated groundwater contamination (chlorinated solvents that extend approximately 1.5 km from the former landfill) located northwest and west of the Site are identified as a PCA (#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners) in accordance with O. Reg. 153.04. However, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.

- The operation of dry cleaners at 591 March Road (Hillary's Dry Cleaners and Miller's Quality Dry Cleaners) to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry-Cleaning Equipment) in accordance with O. Reg. 153/04. However, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.
- The "Semiconductors & Related Devices (Mfrs)" operations of XILINX Inc located west of the Site at 50 Hines Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely and these operations were not identified as having the potential to contribute to an APEC at the Site.

### **South**

- The "Electronic Equipment & Supplies-Mfrs" operations of the Sanmina Corporation on the adjacent property to the south at 500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.

### **Technical Standards and Safety Authority (TSSA)**

Included in GHD's Phase One ESA report for the Overall Nokia Property (dated April 20, 2022; refer to Section 4.1.6), GHD did submit a request to the Technical Standards and Safety Authority (TSSA) to search their databases for any records of storage tanks at the Site and select properties within the Phase One Study Area. An email response was received from the TSSA on January 6 and 7, 2022, indicating that there were no records in their database indicating fuel storage tanks are at the Site or at subject addresses. It should be noted that a new TSSA request was not completed for this Phase One ESA, due to operations at the Site (limited to parking lot) and Overall Nokia Property having not substantially changed since completion of the GHD Phase One ESA report in 2022.

## **4.2.2 Environmental Database Search**

Included in GHD's 2022 Phase One ESA report for the Overall Nokia Property (dated April 20, 2022; refer to Section 4.1.6), GHD contracted ERIS to conduct a search of available federal, provincial, and private environmental databases within the Phase One Study Area. The database searches were completed to assist in the identification of environmental conditions at the Site and on adjacent/surrounding properties. GHD reviewed the search results and has summarized applicable environmental findings below for the Site, the overall Nokia Property (adjacent property), and adjacent/surrounding properties within 250 m of the boundary of the Site (parking lot).

In addition, as part of this 2024 Phase One ESA, GHD contracted ERIS to complete an updated database search for the current Phase One Study Area (parking lot, plus 250 m of the boundary of the Site). A copy of the 2024 ERIS database search report is presented in Appendix C. GHD reviewed the search results and has either updated or added applicable environmental findings for the Site, Overall Nokia Property, and adjacent/surrounding properties based on both the 2022 and 2024 ERIS database searches.

### **Site**

The Site was only identified in the Water Well Information System (WWIS) for monitoring wells installed in 2022. No other relevant records were identified for the Site.

### **Overall Nokia Property**

The adjacent Nokia Office Complex to the north was identified in the ERIS report to contain the following records:



- Scott's Manufacturing Directory (SCT) | Newbridge Network Corporation, Alcatel Canada, and Alcatel-Lucent Canada Inc. were identified with the following operations:
  - Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
  - Semiconductor and Other Electronic Component Manufacturing
  - Electronic Components, Not Elsewhere Classified
  - Computer and Peripheral Equipment Manufacturing
  - Telephone Apparatus Manufacturing
- O. Reg. 347 Waste Generators Summary (GEN): Alcatel Canada and Nokia Canada (both listed under Generator No. ON0044812 between 2000 and 2022) were identified as operating under the following waste classifications:
  - 112 – Acid Waste – Heavy Metals
  - 121 – Alkaline Wastes – Heavy Metals
  - 122 – Alkaline Wastes – Other Metals
  - 145 – Paint/Pigment/Coating Residues
  - 146 – Other Specified Inorganics
  - 148 – Inorganic Laboratory Chemicals
  - 212 – Aliphatic Solvents
  - 213 – Petroleum Distillates
  - 242 – Halogenated Pesticides
  - 252 – Waste Oils & Lubricants
  - 263 – Organic Laboratory Chemicals
  - 331 – Waste Compressed Gases

Due to above noted records, the adjacent operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, based on the Site interviews and inspection (refer to Sections 5 and 6, respectively), any manufacturing was limited to prototype devices (not mass production) and only limited quantities of chemicals and waste were stored in secure/contained portions of the Site buildings. In addition, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all soil and groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these adjacent operations were not identified as having the potential to contribute to an APEC at the Site.

### **Adjacent/Surrounding Properties**

A summary of the pertinent findings from the ERIS database search for adjacent/surrounding properties within the Phase One Study Area is provided below.

- Sanmina Corporation on the adjacent property to the south at 500 March Road was identified in the GEN database, with operations noted as "semiconductor and other electronic component manufacturing", and Waste Generator No. ON5466737 (2015-2022) for various waste streams. In addition, two EASR records for SCI Brockville Corp at 528 March Road (same adjacent property as 500 March Road) identified a Standby Power System registered as of 8/25/2015 (fuel source not identified). The Sanmina operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.
- Miller's Quality Dry Cleaners at 591 March Road located northwest of the Site, across March Road (approximately 150 m distance was identified in the GEN database with Waste Generator No. ON2095500 (1995-2001) for Waste Class 241 (halogenated solvents). These dry-cleaning operations are identified as a PCA (#37 – Operation of Dry-Cleaning Equipment) in accordance with O. Reg. 153/04. However, due to groundwater

sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.

- Newbridge Networks Corp at 603 March Road located west of the Site (across March Road) was identified in the CA database with approved/cancelled Industrial Air certificates around 1990-1991 for Exhaust Systems No. 1-5. In addition, Tundra Semiconductor Corp was identified with operations noted as "semiconductor and other electronic component manufacturing". The operations at 603 March Road are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, these off-Site operations were not identified as having the potential to contribute to an APEC at the Site.
- Excalibur Systems, DRS EW & Network Systems, OneChip Photonics, and GaN Systems Inc. at 50 Hines Road located southwest of the Site (approximately 160 m distance) was identified in the SCT and/or GEN database with operations noted as "Semiconductors & Other Electronic Component Manufacturing" and/or other machinery and instruments manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely, and these operations were not identified as having the potential to contribute to an APEC at the Site. Sidense Corp, TeleWatch Monitoring Services, and Metconnex Inc. at 84 Hines Road located west of the Site (approximately 175 m distance) was identified in the SCT or GEN database with operations noted as "Semiconductors & Other Electronic Component Manufacturing" and/or other machinery and instruments manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely, and these operations were not identified as having the potential to contribute to an APEC at the Site.
- Flexus Electronics. Telemus Inc., 954050 Ontario Inc., and Ultra Electronics at 88 Hines Drive located west of the Site (approximately 175 m distance) were identified in the SCT and/or GEN databases with operations noted as "Semiconductors & Other Electronic Component Manufacturing", as well as other machinery and/or instrument manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely, and these operations were not identified as having the potential to contribute to an APEC at the Site.
- Elcombe Systems Limited, Smart Technologies Inc., Sciometric Instruments Inc., and Pleora Technologies Inc. at 359 Terry Fox Drive located northeast of the Site (approximately 240 m distance) were identified in the SCT and/or GEN database with operations noted as manufacturing of communication equipment, computer, semiconductor, device and/or other electrical component manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- C-MAC Electronic System at 425 Legget Drive located southeast of the Site (approximately 200 m distance) was identified in the GEN database with operations noted as "Computer & Peripheral Equipment Mfg", as well as listed as handling various waste solvents, chemical, and oils. Solectron EMS Canada was identified in the SCT database with operations noted as "Semiconductor and Other Electronic Component Manufacturing". These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- Lockheed Canada Inc. and Lockheed Martin Canada Inc. at 3001 Solandt Road located southeast of the Site (approximately 220 m distance) were identified in the CA and ECA databases with approved/cancelled industrial air permits for paint spray booths and ovens. Under the SCT database Lockheed Martin Canada Inc. was listed with operations noted as "Semiconductor and Other Electronic Component Manufacturing" and other instrument manufacturing, as well as listed with "Aerospace Product and Parts Manufacturing" operations and having various

waste solvent, paints, chemicals, and oils under the GEN database. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153/04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.

- A standby emergency diesel generator at 495 March Road located south of the Site (approximately 200 m distance) was listed in the CA database and is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, due to distance from the Site this operation was not identified as having the potential to contribute to an APEC at the Site.
- A spill of 30 litres of engine oil was reported in the SPL database at the intersection of Terry Fox and March Road (adjacent to the northwest of the Overall Nokia Property) on September 1, 2010. Based on the quantity of spilled oil, it is unlikely this release will have adversely affected the Site.
- A spill of unknown quantity of diesel fuel was reported in the SPL and HINC databases at 515 Legget Drive (east of the Site, across Legget Drive) on November 13, 2008. The reason for the spill was unknown but was cleaned with environmental impact not anticipated. It is unlikely this release will have adversely affected the Site.
- A spill of 150-250 litres of diesel fuel was reported in the SPL database at 70 Hines Road (Legion Branch 638; west of the Site, across March Road) on August 21, 2019. Rogers Communications was listed as client, with diesel released to ground due to cracked line (material failure – poor design/substandard material). Although clean-up not explicitly mentioned, it is unlikely this release will have adversely affected the Site. However, due to groundwater sampling activities completed by GHD in 2022 and 2023 (refer to Section 4.1.6), all groundwater parameters at the Site were reported below MECP Table 7 Standards; therefore, this off-Site operation was not identified as having the potential to contribute to an APEC at the Site.
- A spill of an unknown quantity of diesel fuel was reported in the SPL database at 525 Legget Drive located northeast of the Site (approximately 215 m distance) on March 27, 2023. The spill originated from a motor vehicle with the receiving medium being land and a private catch-basin. Although clean-up not explicitly mentioned, it is unlikely this release will have adversely affected the Site.

## 4.3 Physical Setting

### 4.3.1 Aerial Photographs

Aerial photographs were reviewed to generally document the development of the Site and properties in the vicinity of the Site, and to identify the existence of any significant areas of actual or potential environmental concern at the Site. Included in GHD's Phase One ESA report for the Overall Nokia Property (dated April 20, 2022; refer to Section 4.1.6), aerial photographs of the Site and surrounding area reviewed by GHD included the years 1934, 1945, 1952, 1960, 1976, 1985, 1991, 1999, 2009, and 2019 (source: National Air Photo Library (NAPL); City of Ottawa geoOttawa website). It should be noted that limited to no changes were observed by GHD reviewing the 2021 aerial photograph (source: City of Ottawa geoOttawa website).

Based on the history of the Site and the quantity and quality of the aerial imagery available for review, the selected time period between aerial photographs was determined to be suitable for the purposes of this Phase One ESA.

Year	Site	Neighbouring Properties
1930	The Site appears to be vacant (no buildings) or used for agricultural purposes.	March Road is located west of the Site. Neighbouring properties appear to either be vacant (no buildings) or used for agricultural purposes or occupied by residential dwellings.
1945, 1952, 1960, 1976, 1985	No significant changes in land use had occurred since 1930. Some surface disturbances were noted initially in 1976 photo (unknown purpose and unchanged as of 1985 photo).	No significant changes had occurred on the neighbouring properties since 1930, with the exception of the following: <ul style="list-style-type: none"> <li>– New residential structure observed as of 1952 on adjacent property to the west (center).</li> <li>– Trails and new structure(s) observed in wooded area as of 1960 on adjacent property to the west (south).</li> <li>– New commercial structure observed as of 1976 on adjacent property to the west (north); expanded structure and parking areas observed on 1985 photo.</li> <li>– Hines Road to the west observed as of 1985 photo.</li> </ul>
1991	The Site appears to be vacant	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– New building structures (existing office buildings), driveways and parking lots have been constructed on the northern adjacent property.</li> <li>– Terry Fox Drive (north) has been constructed, and Legget Drive (east) and McKinley Drive (north) are being constructed.</li> <li>– Two new commercial buildings with parking lots constructed to the northeast of the Site (one north and one south of Terry Fox Drive).</li> <li>– One new commercial building and parking lots constructed to the south of the Site.</li> <li>– Four new commercial buildings with parking lots constructed to the west of the Site across March Road.</li> <li>– A new housing development constructed to the northwest of the Site across intersection of March Road and Terry Fox Drive.</li> </ul>
1999	Large parking lots have been constructed on the Site.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– New building structures (existing office buildings) have been constructed where 1991 parking lots were observed with additional driveways and parking observed.</li> <li>– New commercial buildings and parking have been constructed to the north of the Site across Terry Fox drive, as well as new residential development on east side of McKinley Drive.</li> <li>– A new commercial building with parking lots constructed to the northeast of the Site (north of Terry Fox Drive).</li> <li>– Two new office towers (linked by lower-level building) with parking lots, as well signs of further construction, were observed to the east of the Site (across Legget Drive).</li> <li>– One new commercial building with parking lots constructed to the southeast of the Site (across Legget Drive).</li> <li>– Three new commercial buildings with parking lots constructed to the west of the Site across March Road.</li> </ul>
2009	No significant changes have occurred with the property land use since 1999.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– Two new office towers, the Brookstreet Hotel with golf course and parking structure, and associated parking lots have been constructed to the east of the Site (across Legget Drive).</li> <li>– Three new commercial buildings with parking lots constructed west and southwest of the Site (across March Road).</li> <li>– A gas station has been constructed north of the Site along March Road.</li> </ul>



Year	Site	Neighbouring Properties
2019	No significant changes have occurred with the property land use since 2009.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– One new commercial structure with parking lots constructed on the adjacent property to the east.</li> </ul>

Based on GHD's review of the aerial photographs, no PCAs and/or APECs were identified.

### 4.3.2 Topography, Hydrology, and Geology

A Topographic map was reviewed from the Ontario Ministry of Natural Resources and Forestry. The mapping shows the topography at the Site and in the Phase One Study Area as relatively flat and/or sloping east/south towards creeks associated with Shirley's Brook. The Ottawa River is located approximately 3.2 km northeast from the Site limits. Generally, stormwater in the Phase One Study Area is anticipated to drain to municipal catch basins and by infiltration.

Based on GHD's "Preliminary Geotechnical and Hydrogeological Investigation" report (dated March 11, 2022) and "Geotechnical Investigation and Hydrogeological Investigation" report (dated March 13, 2024), geotechnical and hydrogeological assessments were carried out in 2022 (Overall Nokia Property) and in 2023 (Site), respectively, to provide understanding of the soil/bedrock stratigraphy and groundwater conditions at the Site. Six boreholes and ten monitoring wells have been advanced at the Site to auger refusal and/or into bedrock. A summary of applicable subsurface conditions is noted below:

- Topsoil and asphalt surfaces with granular base/subbase were observed from the surface to approximately 0.7 metres below ground surface (mBGS). Silty clay to clay deposit was encountered below topsoil or subbase material.
- Glacial till and/or bedrock were encountered at depths ranging from 0.2 to 4.4 mBGS in applicable boreholes.
- Groundwater was not originally encountered in the overburden stratigraphy at BH01-22 in February 2022. However, groundwater elevations on May 26, 2022, and April 27, 2023, were reported at 77.61 and 78.60 metres above mean sea level (mAMSL), respectively. It should be noted that the position of the groundwater table is subject to seasonal fluctuations and is responsive to precipitation and snowmelt events.
- Groundwater static water elevations in the bedrock stratigraphy ranged from 75.84 to 77.24 mAMSL on February 9, 2022. Additional, groundwater elevations in bedrock were collected on May 26, 2022 (ranging from 74.19 to 79.69 mAMSL) and on April 27, 2023 (74.52 to 79.93 mAMSL). The estimated groundwater flow direction is likely to the south and/or east towards Shirley's Brook. The actual direction could not be confirmed based on varied groundwater levels in the bedrock, likely due to location of bedrock seams).

### 4.3.3 Fill Materials

Based on review of aerial photographs, observations made by GHD during the Site inspection, and subsurface conditions documented in the 2022 and 2023 GHD Geotechnical and Hydrogeological Investigation Reports (refer to Section 4.3.2), fill material at the Phase One Property is limited to granular material associated with the construction of the parking lot.

### 4.3.4 Water Bodies and Areas of Natural Significance

There are no water bodies or water courses located on the Site. Surface water ponds are located to the east of the Site (associated with a golf course), and portions of Shirley's Brook are observed in the southern portion and east-northeast boundaries of the Phase One Study Area. The closest significant surface water body is the Ottawa River located approximately 3.2 km northeast of the Site.

In accordance with O. Reg. 153/04, an "area of natural significance" is defined as any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.

2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.
3. A wetland identified by the Ministry of Natural Resources and Forestry as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. An area identified by the Ministry of Natural Resources and Forestry as significant habitat of a threatened or endangered species.
7. An area which is a habitat of a species that is classified under Section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. An area set apart as a wilderness area under the Wilderness Areas Act.

A summary of GHD's review is provided below:

1. The Site is not an area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. The Site is not considered to be an area of natural and scientific interest (life science or earth science) as identified by the Ministry of Natural Resources as having provincial significance.
3. The Site is not a wetland identified by the Ministry of Natural Resources and Forestry as having provincial significance.
4. The Site is not designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. The Site is not an area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. The Site is not an area identified by the Ministry of Natural Resources and Forestry as significant habitat of a threatened or endangered species. GHD conducted a search to determine if threatened or endangered species are present within or adjacent to the Site. According to the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), Species at Risk in Ontario (SARO), and the Ontario Ministry of Natural Resources and Forestry (MNRF), no species were listed as threatened and/or endangered within the Phase One Study Area.
7. The Site is not an area which is a habitat of a species that is classified under Section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. The Site is not located within an area designated as part of the Oak Ridges Moraine natural core area or natural linkage area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. The Site is not an area set apart as a wilderness area under the Wilderness Areas Act.

Based on the above information and the definition of area of natural significance provided in O. Reg. 153/04, the Site is not considered to be an area of natural significance.

### 4.3.5 Well Records

A search of the MECP Water Well Information System (WWIS) database was conducted as a component of the ERIS database search completed for the Site (refer to Appendix C). No monitoring wells were registered on the Site prior to GHD subsurface investigations in 2022 and 2023.

Eight wells were registered in the surrounding properties including:

- Four domestic water supply well and one industrial supply well installed to the west of the Site (across March Road) between 1952 and 1969.
- One test hole installed to the south of the Site (across March Road) in 2010.
- One test hole installed to the west of the Site (across March Road) in 2014.
- One domestic water supply well installed to the south of the Site (3001 Solandt) in 2017.

The Phase One Property is currently located in an area municipally serviced with potable water. The current status of these wells is unknown.

### 4.3.6 Site Operating Records

No Site operating records were not provided to GHD as part of the Phase One ESA.

## 5. Interviews

As part of the Phase One ESA site inspection, GHD interviewed Mr. Wayne Carroll (Building Operations Manager) on August 15, 2024 (Site Representative). Mr. Carroll has been familiar with the Site and associated Site operations for approximately 30 years. GHD also interviewed Mr. Carroll during the 2022 Phase One ESA.

The interview completed with the Site Representative was focused on the historical and current use of the Phase One Property, and the topics listed in Sections 13 and 14 of Schedule D of O. Reg. 153/04. Relevant information provided to GHD by those interviewed has been summarized in applicable sections of Section 6 – Site Reconnaissance.

## 6. Site Reconnaissance

### 6.1 General Requirements

On August 16, 2022, Mr. Joseph Drader of GHD conducted a Site reconnaissance visit of the Phase One Property between 4 and 5 p.m. Weather conditions were sunny with an approximate temperature of 25°C.

Photographs from the Site visit are included in **Appendix D**.

### 6.2 Specific Observations at Phase One Property

#### 6.2.1 Property and Building

The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Phase One Property is approximately 5.2 ha in size and is irregular in shape. The Site is currently occupied with surface-level parking lot (asphalt) and landscaped areas. There are no buildings on-Site, but the parking lot is associated with the adjacent Nokia Office Complex to the north.

#### 6.2.2 Current Site Operations

The Phase One Property is currently used as a parking lot.

### 6.2.3 Historical Site Operations

Based on a review of the historical records for the Site, the Site was historically vacant or utilized for agricultural purposes.

### 6.2.4 Utility Services

The Site is serviced with electricity (parking lot light poles) provided by Hydro Ottawa.

The Site is currently serviced with municipal storm sewer services. A stormwater retention pond is located to the east of the Site (off-Site at golf course) that does capture Site storm water via catch basins in parking lot and driveways, as well as from other surrounding properties.

The Site Representative was not aware of any historical utility and/or water services. GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site.

### 6.2.5 Underground Storage Tanks (USTs)

No underground storage tanks or evidence of previously existing USTs were observed by GHD at the time of the Site inspection. The Site Representative was not aware of any current or historic USTs.

### 6.2.6 Above Ground Storage Tanks (ASTs)

No above ground storage tanks or evidence of previously existing ASTs were observed by GHD at the time of the Site inspection. The Site Representative was not aware of any current or historic ASTs at the Site.

According to the Site Representative, the following ASTs were identified at the adjacent Nokia Office Complex to the north of the Site:

- Exterior 4,540 litre diesel tank located next to the generator outbuilding. The AST is double-walled on concrete slab (no containment walls). AST was installed in 2011 to replace a similar AST. The generator was to be initially fuelled with a flat tank located below the generator in the outbuilding but was never reportedly used and the flat tank was left in place.
- A 2,220-litre diesel tank located inside Hydro Vault and Generator building. The AST is double-walled on concrete slab. AST was installed in approximately 2003 (manufactured date) to replace a smaller AST.
- A 935-litre diesel tank (ground floor) and 454 litre diesel day tank (penthouse next to generator) are located inside Tower 3. Both tanks are located in concrete secondary containment. According to the Site Representative, these ASTs were installed in 2011 to replace similar ASTs.

The Site Representative was not aware of any other current or historic ASTs and was not aware of any spills/releases associated with current/historic ASTs or generators on the adjacent property.

The operation of the adjacent ASTs is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, based on GHD's Phase Two ESA report of the Overall Nokia Property (dated July 19, 2022) and GHD's Groundwater Sampling Activities letter for the Site (dated August 12, 2024) (both documents referenced in Section 4.1.6), all analyzed soil and groundwater samples collected at the Site near the adjacent property to the north were below applicable site condition standards noted in Ontario MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*," dated April 15, 2011. Therefore, the adjacent AST operations were not identified as having the potential to contribute to an APEC at the Site.

### 6.2.7 Floor Drains, Pits, and Sumps

At the time of the Site inspection, GHD did not observe any floor drains, pits, or sumps at the Site.

## 6.2.8 Wastewater/Sewers

According to the Site Representative and based on GHD's observations during the Site inspection, there is no wastewater generated at the Site.

## 6.2.9 Enhanced Investigation Property

In accordance with O. Reg. 153/04, Part VIII, Clause 32 (1) b, the Phase One Property is considered to be an Enhanced Investigation Property if it is currently used or has ever been used in whole or in part for industrial use, or commercial uses including a garage, a bulk liquid dispensing facility such as a gas station, or for the operation of dry-cleaning equipment. Based on the current and historical use of the Site, the Site is not considered an Enhanced Property.

## 6.2.10 Asbestos-Containing Materials (ACM)

At the time of the Site inspection, GHD did not observe any building materials that would contain asbestos.

## 6.2.11 Polychlorinated Biphenyls (PCBs)

At the time of the Site inspection, GHD did not observe any equipment that would contain PCBs.

## 6.2.12 Solid Waste/Recyclable Materials

At the time of the Site inspection, GHD did not observe any solid waste or recycling materials generated at the Site. The Site Representative was not aware of any current or historic on-Site waste disposal activities.

## 6.2.13 Chemical and Raw Material use and Storage

Based on discussions with the Site Representative and GHD's visual observations during the Site inspection, there are no chemicals used and stored at the Site.

## 6.2.14 Subject Waste/Hazardous Waste

Based on discussions with the Site Representative and GHD's visual observations during the Site inspection, no subject/hazardous wastes are generated at the Site.

## 6.2.15 Chemical Spills/Releases

At the time of the Site inspection, GHD did not observe any visual evidence of chemical spills or releases at the Site. A review of the Ontario Spills database included in the ERIS report (refer to Section 4.2.2) did not identify any spills associated with the Site.

## 6.2.16 Lead-Based Paint

At the time of Site inspection, GHD did not observe any building materials that would contain lead-based paint.

## 6.2.17 Chlorofluorocarbons

At the time of the Site inspection, GHD did not observe any equipment potentially containing chlorofluorocarbons (CFCs).

## 6.2.18 Air Emissions

At the time of the Site inspection, GHD did not observe any equipment producing air emissions.

## 6.2.19 Ionizing Radiation

According to the Site Representative and based on GHD observations during the Site inspection, no sources of ionizing radiation were observed at the Site.

## 6.3 Written Description of Investigation

The Phase One ESA included a records review, interviews with the Site Representative, a Site reconnaissance, and a review and evaluation of the information obtained during the Phase One ESA. The Site reconnaissance included a walk-through of the Property to confirm the current Site conditions and identify any current land uses, which may have or may cause actual and/or potential environmental impacts to the Site. Adjoining and neighbouring properties were observed from the Site and public access ways.

The findings from the assessment carried out pursuant to Sections 13 and 14 of Schedule D of O. Reg. 153/04, as amended, were previously discussed in Section 6.

# 7. Review and Evaluation of Information

## 7.1 Current and Past Uses (Site)

A summary of the current and past uses of the Site is provided below.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1930 to 1991	Unknown Newbridge Networks Corporation (1987-2002)	Vacant (no buildings) or Agricultural	Vacant (no buildings) or Agricultural	Suspected to have been undeveloped and/or used for agricultural purposes (based on aerial photographs).
1991 to Present	Newbridge Networks Corporation (1987-2002) Alcatel Canada Inc. (2002-2013) Alcatel-Lucent Canada Inc. (2013-2016) Nokia Canada Inc. (2016-Present; Nokia acquires Alcatel-Lucent)	Parking lot	Commercial and/or Industrial	Based on a review of the 1991, 1999, 2009, and 2019 aerial photographs, the Site was developed with a large parking lot.

## 7.2 Potentially Contaminating Activities

The MECP provides a list of PCAs in Schedule D of O. Reg. 153/04, under the Environmental Protection Act. The following PCAs have been identified to be on, in, or under the Phase One Property, or located within the Phase One Study Area.

Location and Description	Potentially Contaminating Activity (PCA)
Adjacent Property to the North – Exterior diesel AST and generator	#28 - Gasoline and Associated Products Storage in Fixed Tanks

Location and Description	Potentially Contaminating Activity (PCA)
Adjacent Property to the North – Newbridge Networks	#19 – Electronic and Computer Equipment Manufacturing; No APEC based on the Site interviews and inspection; any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings
Adjacent Property to the South – Sanmina Corporation (electronics manufacturing) at 500 March Road	#19 – Electronic and Computer Equipment Manufacturing
Property to the west (beyond March Road) – Marchview Dry Cleaners, Hillary's Dry Cleaners, and Miller's Quality Dry Cleaners at 591 March Road	#37 – Operation of Dry-Cleaning Equipment
Property to the west (beyond March Road) – Newbridge Networks and Tundra Semiconductor (electronics manufacturing) at 603 March Road	#19 – Electronic and Computer Equipment Manufacturing
Property to the Northwest and West (prior to and potentially up to March Road – Historic March Landfill with associated groundwater contamination plume extending 1.5 km from the former landfill	#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioner
Northeast of Site – InstanTEL (equipment-electronic manufacturer) at 362 Terry Fox Drive (approx. 215 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
East of Site – Various equipment-electronic manufacturers (Elcombe Systems, Smart Technologies, SCI, Pleora Technologies) at 359 Terry Fox Drive (approx. 190 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
Southeast of Site – C-MAC Electronic System and Solectron EMS (equipment-electronic manufacturers) at 425 Legget Drive (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
South of Site – Lockheed Canada and Lockheed Martin Canada (equipment-electronic manufacturers) at 3001 Solandt Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
West of Site – Various equipment-electronic manufacturers (XILINX, Excalibur Systems, DRS EW & Network Systems, OneChip Photonics) at 50 Hines Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
West of Site – Sidense (equipment-electronics manufacturer) at 84 Hines Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
West of Site – Various equipment-electronic manufacturers (Flexus, Telemus, Ultra Electronics) at 88 Hines Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
South of the Site – standby emergency diesel generator at 495 March Road (approx. 200 m from Site)	#28 - Gasoline and Associated Products Storage in Fixed Tanks

The location of the above-noted PCAs are shown on **Figure 3**.

## 7.3 Areas of Potential Environmental Concern

Based on GHD's Phase Two ESA report of the Overall Nokia Property (dated July 19, 2022) and GHD's Groundwater Sampling Activities letter for the Site (dated August 12, 2024) (both documents referenced in Section 4.1.6), all analyzed soil and groundwater samples collected at the Site in 2022/2023, as well as applicable soil and groundwater samples collected at the adjacent Nokia Office Complex in 2022, were below applicable site condition standards noted in Ontario MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the*

*Environmental Protection Act*," dated April 15, 2011. Therefore, the PCAs identified in Section 7.2 do not have the potential to contribute to an APEC at the Site.

## 7.4 Phase One Conceptual Site Model

The Phase One Property is located at 600 March Road in Kanata (Ottawa), Ontario, and includes the southern parking lot property that is currently part of the Overall Nokia Property. The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. A Site Location Map and a Site Plan are provided on **Figure 1** and **Figure 2**, respectively. The Phase One Property contains two parcels with the following property identification numbers (PINs) and descriptions:

- 04517-0467 (LT) (parking lot) | PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.
- 04517-0809 (LT) (parking lot) | Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.

The Phase One Property is approximately 5.2 ha in size and currently consists of surface level car parking and landscaped areas. The Phase One Property is currently owned by Nokia Canada Inc., and it is understood the Nokia is looking to improve its existing campus, including new high-rise office and retail building, six-storey lab building, and four storey-parking garage, all with associated underground parking. Prior to the Nokia owning/operating the Phase One Property, the following companies conducted similar operations/activities: Newbridge Networks; Alcatel; and Alcatel-Lucent. Prior to the current development, the Phase One Property was vacant and/or used for agricultural purposes.

The general topography at the Site and in the Phase One Study Area is relatively flat and/or sloping east/south towards creeks associated with Shirley's Brook. There are no water bodies or water courses located on the Site. Surface water ponds are located to the east of the Site (associated with a golf course), and portions of Shirley's Brook are observed in the southern portion and east-northeast boundaries of the Phase One Study Area. The Ottawa River is located approximately 3.2 km northeast from the Site limits.

Based on GHD's "Preliminary Geotechnical and Hydrogeological Investigation" report (dated March 11, 2022) and "Geotechnical Investigation and Hydrogeological Investigation" report (dated March 13, 2024), geotechnical and hydrogeological assessments were carried out in 2022 (Overall Nokia Property) and in 2023 (Site), respectively, to provide understanding of the soil/bedrock stratigraphy and groundwater conditions at the Site. Six boreholes and ten monitoring wells have been advanced at the Site to auger refusal and/or into bedrock. A summary of applicable subsurface conditions is noted below:

- Topsoil and asphalt surfaces with granular base/subbase were observed from the surface to approximately 0.7 mBGS. Silty clay to clay deposit was encountered below topsoil or subbase material.
- Glacial till and/or bedrock were encountered at depths ranging from 0.2 to 4.4 mBGS in applicable boreholes.
- Groundwater was not originally encountered in the overburden stratigraphy at BH01-22 in February 2022. However, groundwater elevations on May 26, 2022, and April 27, 2023, were reported at 77.61 and 78.60 mAMSL, respectively. It should be noted that the position of the groundwater table is subject to seasonal fluctuations and is responsive to precipitation and snowmelt events.
- Groundwater static water elevations in the bedrock stratigraphy ranged from 75.84 to 77.24 mAMSL on February 9, 2022. Additional, groundwater elevations in bedrock were collected on May 26, 2022 (ranging from 74.19 to 79.69 mAMSL) and on April 27, 2023 (74.52 to 79.93 mAMSL). The estimated groundwater flow direction is likely to the south and/or east towards Shirley's Brook. The actual direction could not be confirmed based on varied groundwater levels in the bedrock, likely due to location of bedrock seams).

Based on the information reviewed and the definition of area of natural significance provided in O. Reg. 153/04, the Site is not considered an area of natural significance.

The Site is serviced with electricity provided by Hydro Ottawa. The Site is currently serviced with storm sewer services. GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site.



The Phase One ESA Conceptual Site Model, including the location of PCAs, is depicted on **Figure 3**.

## **8. Conclusions**

Based on the results of the Phase One ESA, including the Site inspection, information provided by Site representatives and regulatory agencies, documents reviewed, previous environmental reports, and the review of Site history, no APECs were identified to be associated with the Site.

### **8.1 Requirement for Phase Two ESA Before RSC Can Be Submitted**

Based on the information obtained in completing this Phase One ESA, it is our opinion that a Phase Two ESA is not required to characterize soil and groundwater quality at the Phase One Property.

### **8.2 Signatures**

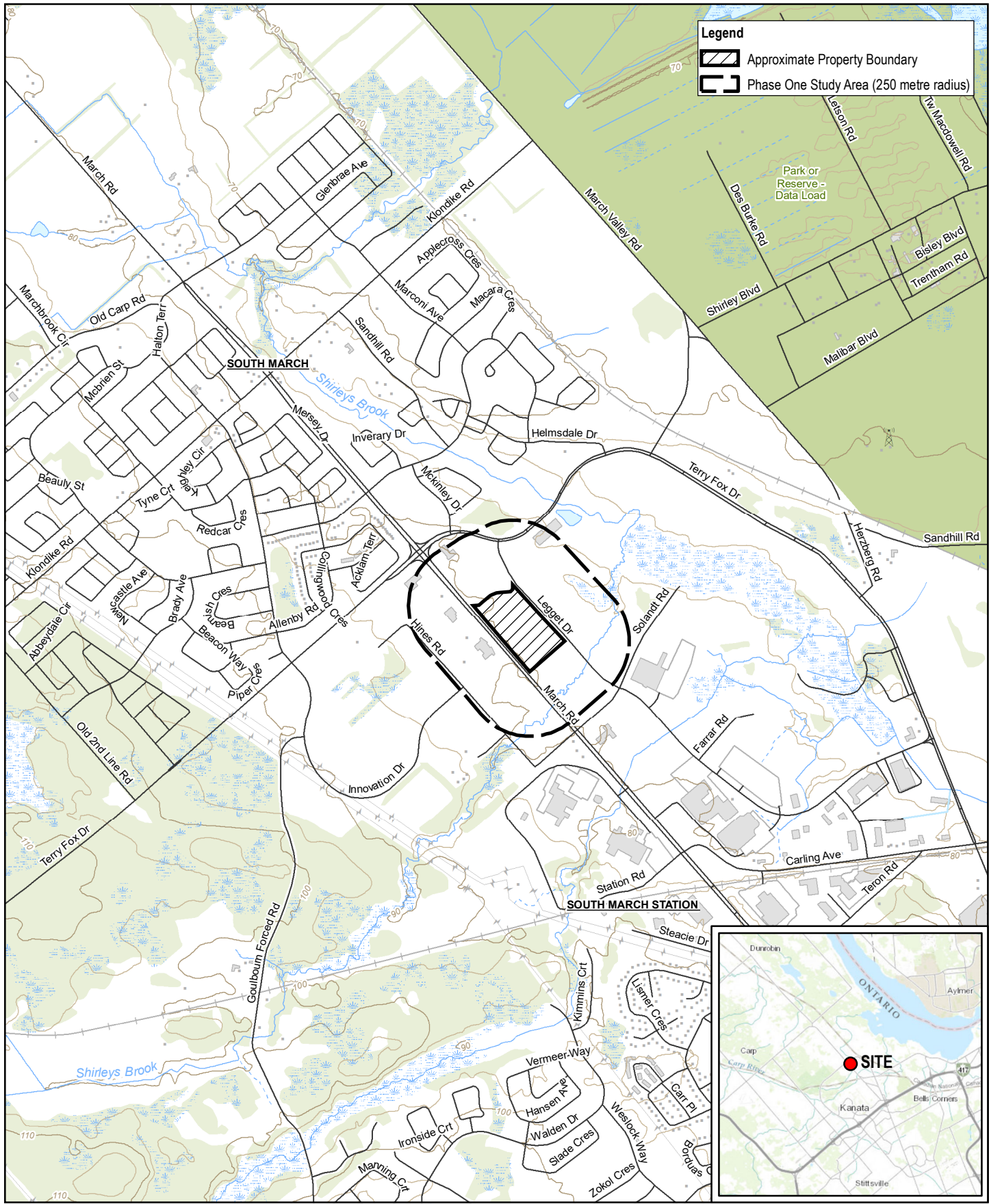
Joseph Drader and Warren Croft, Qualified Persons for Environmental Site Assessment under O. Reg. 153/04, confirm the carrying out of this Phase One ESA and the findings and conclusions of this report.

## **9. References**

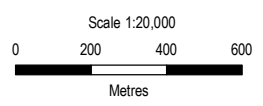
Ministry of Environment. Environmental Protection Act, Ontario Regulation 153/04, Records of Site Condition, Part XV.I of the Act.

Intera Technologies Ltd. Mapping and Assessment of Former Industrial Sites, City of Ottawa, July 1988.

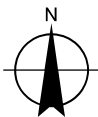
# Figures



**Legend**  
Approximate Property Boundary  
Phase One Study Area (250 metre radius)



Scale 1:20,000  
Map Projection: Transverse Mercator  
Horizontal Datum: North American 1983  
Grid: NAD 1983 UTM Zone 18N



**NOKIA CANADA**  
600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Project No. 12646241  
Revision No. -  
Date Aug 29, 2024

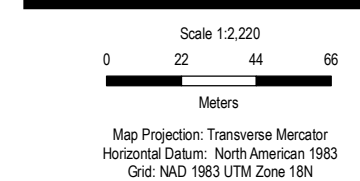
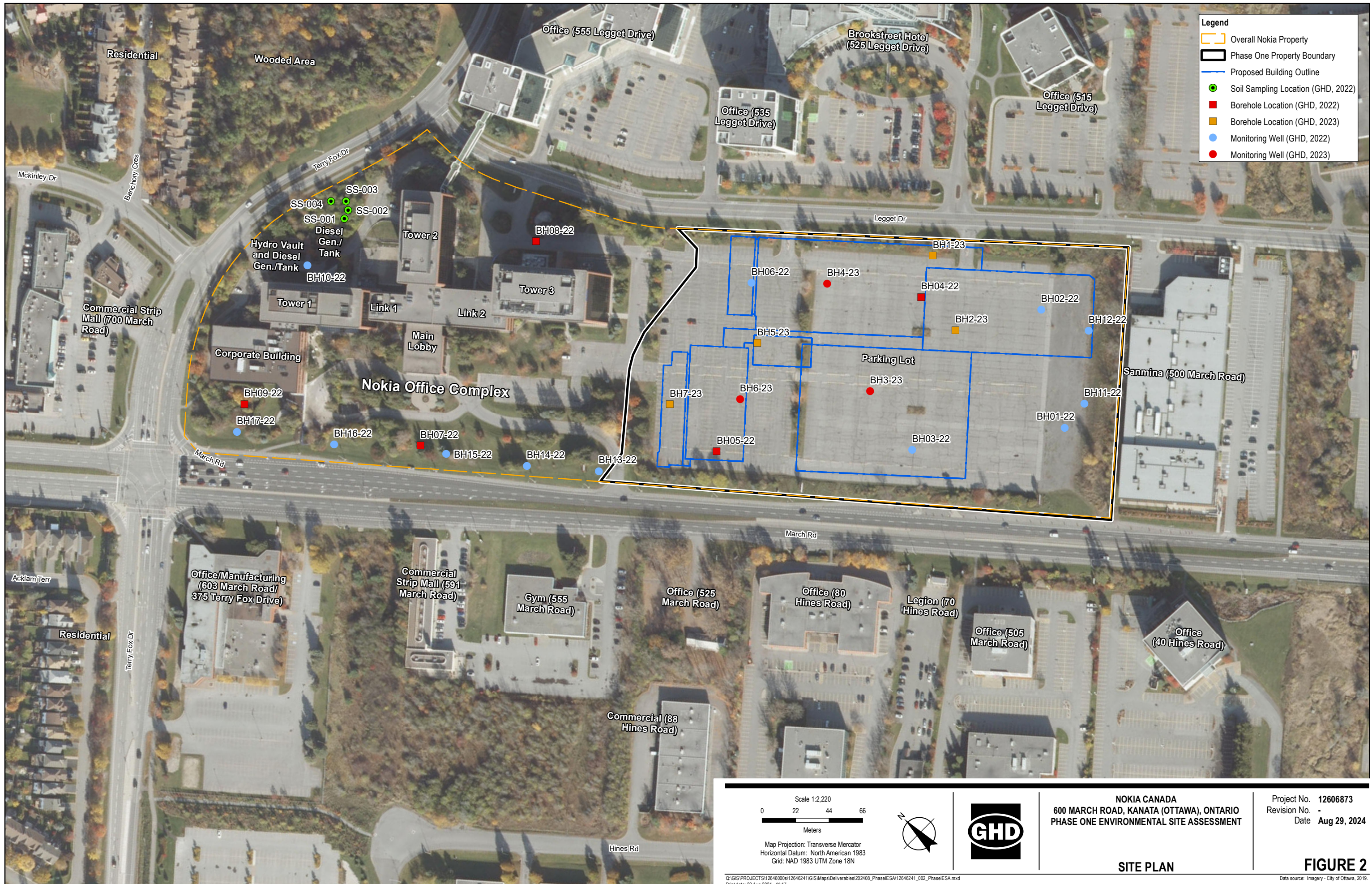
**SITE LOCATION MAP**

**FIGURE 1**

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Print date: 29 Aug 2024 - 11:05

Data source: MNRFS NVRS, 2018. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry. © King's Printer 2024.





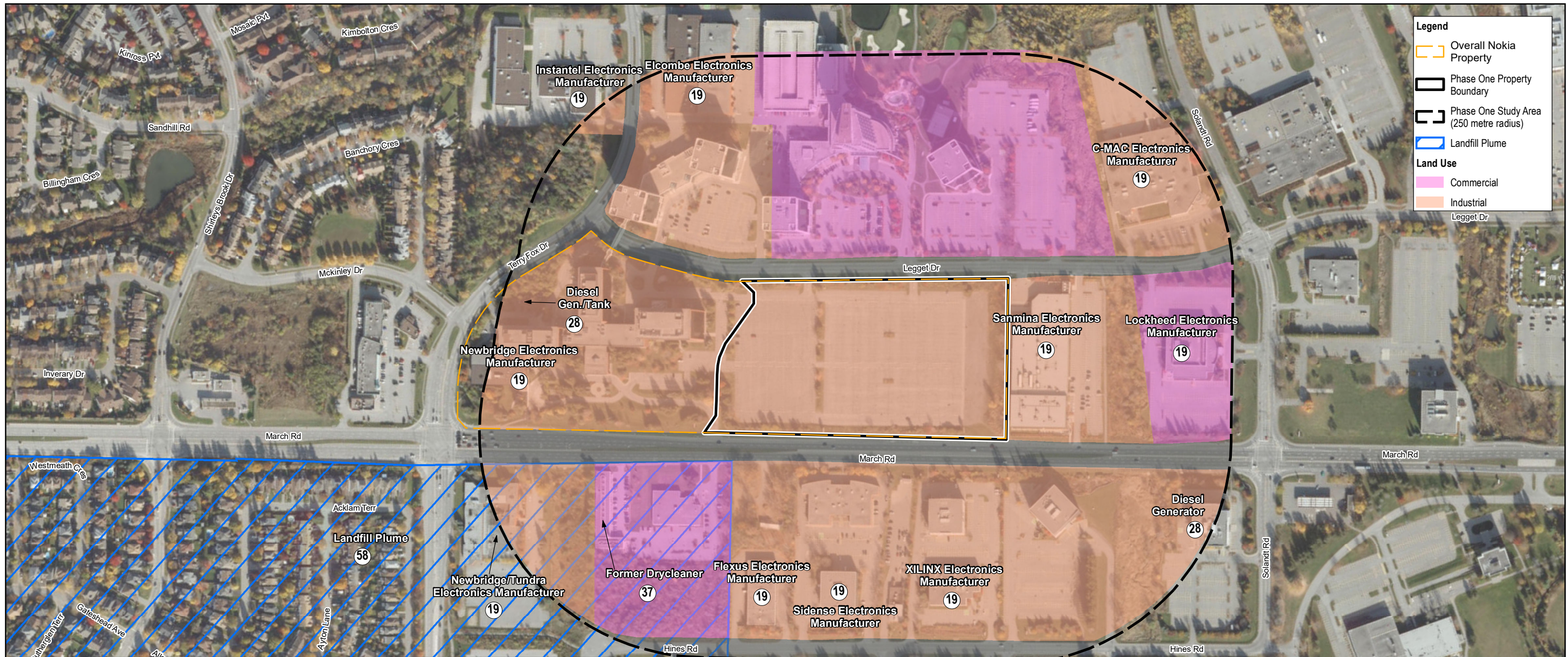
**NOKIA CANADA**  
600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Project No. 12606873  
Revision No. -  
Date Aug 29, 2024

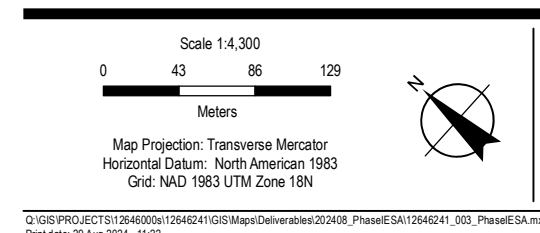
**SITE PLAN**

**FIGURE 2**





Location and Description	Potentially Contaminating Activity (PCA)
Adjacent Property to the North – Exterior diesel AST and generator	(28) Gasoline and Associated Products Storage in Fixed Tanks
Adjacent Property to the North – Newbridge Networks (former owners/operators)	(19) Electronic and Computer Equipment Manufacturing; No APEC based on the Site interviews and inspection; any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings.
Adjacent Property to the South – Sanmina Corporation (electronics manufacturing) at 500 March Road	(19) Electronic and Computer Equipment Manufacturing
Property to the west (beyond March Road) – Marchview Dry Cleaners, Hillary's Dry Cleaners, and Miller's Quality Dry Cleaners at 591 March Road	(37) Operation of Dry Cleaning Equipment
Property to the west (beyond March Road) – Newbridge Networks and Tundra Semiconductor (electronics manufacturing) at 603 March Road	(19) Electronic and Computer Equipment Manufacturing
Property to the Northwest and West (prior to and potentially up to March Road – Historic March Landfill with associated groundwater contamination plume extending 1.5 km from the former landfill	(58) Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners
Northeast of Site – Instantel (equipment-electronic manufacturer) at 362 Terry Fox Drive (approx. 215 m from Site)	(19) Electronic and Computer Equipment Manufacturing
East of Site – Various equipment-electronic manufacturers (Elcombe Systems, Smart Technologies, SCI, Pleora Technologies) at 359 Terry Fox Drive (approx. 190 m from Site)	(19) Electronic and Computer Equipment Manufacturing
Southeast of Site – C-MAC Electronic System and Solectron EMS (equipment-electronic manufacturers) at 425 Legget Drive (approx. 150 m from Site)	(19) Electronic and Computer Equipment Manufacturing
South of Site – Lockheed Canada and Lockheed Martin Canada (equipment-electronic manufacturers) at 3001 Solandt Road (approx. 150 m from Site)	(19) Electronic and Computer Equipment Manufacturing
West of Site – Various equipment-electronic manufacturers (XILINX, Excalibur Systems, DRS EW & Network Systems, OneChip Photonics) at 50 Hines Road (approx. 150 m from Site)	(19) Electronic and Computer Equipment Manufacturing
West of Site – Sidense (equipment-electronics manufacturer) at 84 Hines Road (approx. 150 m from Site)	(19) Electronic and Computer Equipment Manufacturing
West of Site – Various equipment-electronic manufacturers (Flexus, Telemus, Ultra Electronics) at 88 Hines Road (approx. 150 m from Site)	(19) Electronic and Computer Equipment Manufacturing
South of the Site – standby emergency diesel generator at 495 March Road (approx. 200 m from Site)	(28) Gasoline and Associated Products Storage in Fixed Tanks



NOKIA CANADA  
600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Project No. 12646241  
Revision No. -  
Date Aug 29, 2024

CONCEPTUAL SITE MODEL

FIGURE 3

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Print date: 29 Aug 2024 - 11:22  
Data source: Imagery - City of Ottawa, 2019



# Appendices

# **Appendix A**

**Curricula Vitae**

# Warren Croft P.ENG., QP<sub>ESA</sub>

## Engineering Leader



### Location

Toronto, Ontario, Canada

### Experience

20 years

### Qualifications/Accreditations

- B.Sc., Engineering, University of Guelph, 2001
- Qualified Person for Environmental Site Assessment (QP<sub>ESA</sub>), under Ontario Regulation (O.REG) 153/04

### Key technical skills

- Environmental Site Assessments
- Environmental Risk Management
- Project Management

### Memberships

- Registered Professional Engineer: Ontario

### Relevant experience summary

Warren is a Principal/Vice-President at GHD with 20 years of experience in the management of environmental and remediation projects, including over 200 projects in Ontario relating to Phase I and II Environmental Site Assessments (ESAs), Record of Site Condition (RSC), Designated Substances Surveys (DSS), asbestos abatement, environmental remediation, brownfield redevelopment, environmental compliance/permitting, and risk assessment. He guides clients in managing environmental liabilities to support long-term business needs, including the development and implementation of risk management plans. Additionally, Warren is a QPESA for filing RSCs and submitting Phase Two ESA conceptual site models (CSMs) to support Risk Assessments (RAs). Furthermore, Warren acts as a technical ESA resource and leads ESA components of many large, multidisciplinary infrastructure projects throughout the province.

### Municipal/Public Infrastructure

#### *RSC Guidance*

#### Technical Advisor

**RSC Guidance | City of Barrie | Barrie, ON | 2019 – present**

Warren is the Technical Advisor for the preparation of a RSC guidance document to assist City of Barrie in evaluating development applications. The guidance documents outlines how the RSC filing process impacts different types of development applications, and identifies the roles/ responsibilities of different City departments in confirming compliance with Ontario Regulation 153/04.

#### *Project Director*

**Toronto Street and Simcoe Street Environmental Investigation | City of Barrie | Barrie, ON | 2018 – 2019**

Warren is the Project Director for an environmental investigation to document potential extent of impact in the area of Toronto Street and Simcoe Street in Barrie. Warren met with City staff to provide guidance regarding environmental conditions, and options to investigate and/or remediate identified impacts.

#### *ESA Lead*

**Northeast Vaughan Water and Wastewater Servicing | York Region, ON | 2017 – 2019**

Warren acts as the Environmental Site Assessment Lead for the completion of ESA screening and soil/groundwater sampling strategy for the Northeast Vaughan Water and Waster Servicing project. Warren



also provided guidance to the project team regarding ESA requirements for potential land acquisition.

### ***Soil Characterization Program***

**Environmental Lead |  
Waterfront Toronto | Toronto, Ontario, Canada |  
2016**

Technical advisor during the environmental investigation of a portion of Toronto's Port Lands area, in support of the re-routing of the mouth of the Don River. Supported GHD's project management team and field team in the interpretation of historical records, and completion of soil and groundwater sampling at the site.

### ***Upper York Sewage Solutions (UYSS)***

**ESA Lead  
Regional Municipality of York | East Gwillimbury,  
Ontario, Canada | 2014 - 2016**

Warren acts as the Environmental Site Assessment Lead for the completion of Phase One and Two ESAs to support property acquisition and project planning for the Upper York Sanitary Sewer project. He works with the other discipline leads to ensure that project milestones are met and the client's environmental liability is minimized during property acquisition and construction.

### ***Burnhamthorpe Road Watermain Twinning***

**Environmental Lead |  
Regional Municipality of Peel | Mississauga, Ontario,  
Canada | 2014 - 2016**

Warren acts as environmental lead and completed a Contaminant Inventory and a Phase One ESA to support the Region's project planning. Warren provided guidance regarding identifying higher risk properties and potential contaminant sources within proposed construction areas, and provided recommendations regarding environmental risk at the higher risk properties.

### ***480 Lakeshore Blvd. East***

**Environmental Lead |  
Waterfront Toronto | Toronto, Ontario, Canada |  
2011 - 2016**

Warren acted as the technical lead and primary Site Assessor for the completion of a Phase I ESA of a former bulk fuel storage facility. Warren provided guidance to the project team regarding the findings of the Phase I ESA and the requirements for soil and groundwater sampling at the Site. Warren subsequently supported the construction of specific Risk Management Measures to comply with City of Toronto requirements.

### ***Seneca College King Campus Expansion***

**Project Manager |  
Seneca College | King City, Ontario, Canada |  
2014 - 2016**

Warren acted as Project Manager for the completion of environmental and geotechnical investigations at King City campus of Seneca College in support of a proposed building expansion following Infrastructure Ontario's AFP model. Based on the results of preliminary environmental investigations, a Due Diligence Risk Assessment was completed to document potential environmental risks associated with road salt impacts to the Site. GHD's team worked with Seneca College staff to complete the work at an active educational facility, while minimizing impacts to staff and students. He coordinated site access, including work around entrance roads, along Dufferin Street, and within active agricultural fields and acted as technical lead for environmental components of the project.

### ***Etobicoke General Hospital***

**Project Manager |  
William Osler Health System | Etobicoke, Ontario,  
Canada | 2014 - 2015**

Warren acted as Project Manager for the completion of environmental and geotechnical investigations at Etobicoke General Hospital in support of proposed redevelopment. Coordinated site access, including work around emergency room entrance, main entrance, and visitor parking areas. Acted as technical lead for environmental components of the project.

### ***Milton District Hospital***

**Environmental Lead |  
Shared Services West | Milton, Ontario, Canada |  
2013 - 2014**

Warren acted as the Environmental Lead for environmental investigations at Milton Hospital, including the completion of Phase One and Two ESAs and coordination of asbestos sampling activities. Worked with the geotechnical lead to ensure that appropriate environmental samples were collected, while minimizing the number of boreholes/monitoring wells at the site. Assisted Milton Hospital and Shared Services West staff in negotiating environmental management requirements with the municipality and Infrastructure Ontario.

## **Infrastructure Ontario**

### ***Thistleton Regional Campus***

**Project Manager |  
Infrastructure Ontario (IO) | Toronto, Ontario,  
Canada | 2013 - presents**

Project manager for the completion of Phase I and II ESAs, completion of designated substances surveys, design and oversight of remedial program, and completion of a due diligence risk assessment at the Thistleton Regional Campus in Toronto, Ontario. Coordinated access with facility personnel, and developed specific health and safety protocols to ensure that investigative activities did not pose a risk to property residents.

### ***Ontario Place Redevelopment***

**Project Manager |  
Infrastructure Ontario | Toronto, Ontario, Canada |  
2012 - present**

Warren acts as Project Manager for due diligence activities at Ontario Place, which have included Designated Substances Survey, Building Condition Surveys, Phase One and Two ESAs, and Geotechnical Investigations. Warren is currently managing the completion of a Phase One and Two ESA, Risk Assessment, and Record of Site Condition for a portion of the east island, to support the Urban Park and Waterfront Trail project. Warren also provides guidance to Infrastructure Ontario and their park design team regarding the design and construction of Risk Management Measures and imported soil quality requirements, to ensure that ongoing construction is consistent with the Risk Assessment and that the soil brought to the proposed park is suitable for use at Ontario Place.

### ***Vendor of Record, Central and Southwestern Regions***

**Technical Lead |  
Infrastructure Ontario | Ontario, Canada |  
2012 - 2016**

Warren acts as a technical lead and primary contact for GHD's Vendor of Record contract with Infrastructure Ontario, which has included Phase One and Two ESAs, designated substances surveys, remediation oversight, Risk Assessment, and Records of Site Condition. Warren attends monthly vendor calls, tracks performance of GHD's projects, acts as a key technical contact regarding environmental site assessments, and also manages a variety of Infrastructure Ontario projects.

### ***Proposed ErinOak Kids***

**QP<sub>ESA</sub> |  
Infrastructure Ontario | Brampton, Ontario, Canada |  
2014 - 2015**

QPESA for the filing of Records of Site Condition for two parcels of land associated with the proposed ErinOak Kids Brampton facility. Coordinated the completion of Phase One and Two ESAs, provided guidance to the current property owner (City of Brampton) regarding the RSC process and the documents that must be prepared and signed by the owner to support the RSC filing, and coordinated with MOECC Brownfields group staff regarding the RSC filing. Filed two RSCs on the Ontario Environmental Site Registry, which were acknowledged by MOECC.

### ***Proposed Mackenzie Vaughan Hospital***

**Project Manager |  
Infrastructure Ontario | Vaughan, Ontario, Canada |  
2013 - 2015**

Warren acted as Project Manager for the completion of environmental, geotechnical, and hydrogeological investigations at the proposed Mackenzie Vaughan Hospital. The project was completed following Infrastructure Ontario's Alternative Financing and Procurement (AFP) Guidance Document for Environmental and Geotechnical Investigations. GHD also worked with staff and consultants from the City of Vaughan to support the remediation of localized soil impacts and the filing of a Record of Site Condition. He coordinated site access and acted as technical lead for environmental components of the project.

### ***Due Diligence***

**Project Manager |  
Infrastructure Ontario | Ontario, Canada |  
2013 - 2015**

Project Manager for the completion of a Designated Substances Survey and Phase One ESA at a potential redevelopment property in Toronto. Subsequently provided technical guidance to Infrastructure Ontario regarding the disentanglement of the building heating system from adjacent structures, including the removal of asbestos on piping. Provided recommendations regarding building ventilation requirements to prevent mold growth. Currently working with Infrastructure Ontario to develop abatement specifications for the Designated Substances in the building.

### ***Former St. Thomas Psychiatric Facility***

**Project Manager |  
Infrastructure Ontario | St. Thomas, Ontario, Canada |  
2012 - 2013**

Project manager for the completion of a Phase One ESA and Soil/Groundwater quality investigation at the St. Joseph's Regional Mental Health facility in St. Thomas, Ontario. Completed interviews with facility personnel, inspected client and resident spaces, and coordinated health and safety requirements for the completion of the soil and groundwater sampling activities.

### ***Environmental Specialist (Secondment)***

**Infrastructure Ontario | Toronto, Ontario, Canada |  
2010 - 2012**

Warren assisted Infrastructure Ontario in the management of environmental consultants and contractors at the West Don Lands in Toronto, Ontario in support of the redevelopment of a large brownfield property into the 2015 Pan Am Games Athletes' Village. Tasks included coordination of consultants and contractors, providing guidance to ORC staff on the environmental approvals process, and review of Phase I/II ESAs, Risk Assessments, Certificates of Property Use, and Records of Site Condition completed in accordance with the recently revised Regulation 153/04. Attended meetings with stakeholders including Ministry of Environment, City of Toronto, Waterfront Toronto, Infrastructure Ontario, and prospective developers to support Infrastructure Ontario staff in their role.

### **Industrial/Private Infrastructure**

#### ***Risk Assessment***

**Project Manager |  
Confidential Client | Toronto, Ontario, Canada |  
2013 - present**

Project Manager and QP (ESA) for the completion of a Phase One and Two ESA, and Risk Assessment at an active industrial property in Toronto, Ontario, completed to support the sale of the property, and to document liabilities at the time of the sale.

#### ***Risk Assessment***

**Project Coordinator |  
Confidential Client | Mississauga, Ontario, Canada |  
2012 - present**

Project Coordinator and QPESA for a Phase One ESA, Phase Two ESA, and Risk Assessment of an industrial brownfield site. The project included development of risk based remedial targets for soil remediation, followed by the completion of a Risk Assessment to manage remaining soil and groundwater impacts.

### ***Proposed Holt Pit***

**ESA Support |  
Rice Commercial Group Ltd. | Newmarket, Ontario,  
Canada |2017 - 2019**

Warren provided Phase One and Two ESA support to the project team related to the proposed Holt Pit. Warren's role focused on Phase One ESA technical review, and confirming that the ESAs met the minimum requirements of Ontario Regulation 153/04, as amended, as well as coordinating sampling requirements with other technical leads.

### ***Healthcare Centre Redevelopment***

**Environmental Lead |  
West Park | Toronto, Ontario, Canada| 2016**

Environmental lead for the completion of Phase One and Two Environmental Site Assessments in support of the proposed expansion of the facility. Supported client decision making regarding environmental risk, potential sources of environmental impact, and soil/groundwater management during future construction.

### ***Environmental Due Diligence***

**Project Manager|  
Confidential Client | Toronto, Ontario, Canada | 2016**

Warren acts as the project manager for the completion of Phase I ESAs, Phase II ESAs, property condition assessments, remedial cost estimates, and risk evaluations for three industrial properties. GHD's client was considering the acquisition of the three properties, and required technical guidance regarding environmental liabilities, and options to mitigate environmental risks for the long-term use of the Site.

### ***Lakeview Power Plant***

**Project Manager|  
Ontario Power Generation | Mississauga, Ontario,  
Canada |  
2015 - 2016**

Warren acts as the project manager for ongoing environmental activities at the former OPG Lakeview Power Plant. GHD has completed extensive environmental investigations, focused environmental remediation, and Risk Assessment activities in support of OPG's land use and disposition planning. Currently supporting OPG's goals of facilitating the redevelopment of the Site in accordance with the Inspiration Lakeview vision.

### ***Assembly Plant Demolition***

#### **Environmental Lead and QP<sub>ESA</sub> | Ford | St.Thomas, Ontario | 2014 - 2016**

Warren acted as the lead environmental site assessor and QP<sub>ESA</sub> for the completion of Phase One and Two ESAs at the Ford St. Thomas facility. Obtained Record of Site Condition (RSC) for one portion of the Site, and supported GHD's Risk Assessment and Remediation teams in the assessment and remediation of the other portions of the Site.

### ***Review of Excess Soil Management in Ontario***

#### **Team Member | GHD | Ontario, Canada | 2015**

Warren was a member of GHD's project team to complete a review of excess soil management in Ontario. Warren's role focused on identifying common practices, and best practices among contractors, municipalities, and government related agencies, to support the development of an improved process to manage excess soil in Ontario.

### ***Risk Evaluation***

#### **Project Coordinator | Confidential Client | Toronto | 2013 - 2014**

Warren acted as project coordinator during a risk evaluation project, to support a potential property sale. His scope included coordinating access to an active facility, discussing the scope of work with potentially affected tenants, coordinating soil, groundwater, and indoor air monitoring activities, and reporting. The project team subsequently completed a risk evaluation, supported with Risk Management Measures developed by Warren and his team. The client was able to complete the transaction of the property, despite documented environmental liability concerns.

### ***Risk Management Measure Implementation***

#### **Project Manager | Confidential Client | Toronto, Ontario, Canada | 2010 - 2013**

Project Manager for the oversight of Risk Management Measure (RMM) implementation, to comply with the requirements of a Certificate of Property Use. Activities completed by GHD included preparation of soil and groundwater management plan, preparation of Health and Safety Plan, dust monitoring, soil tracking, barrier construction inspection, and reporting. Warren acted as Project Manager and primary liaison for the client and their contractor, to ensure that the Certificate of Property Use requirements were understood and implemented.

### **Career history**

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2001 - present	GHD (formerly Conestoga Rovers & Associates), Toronto, ON, Engineer
2010	Named Associate
2017	Named Principal

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**Joseph Drader** P. ENG., P.E.  
Project Manager



**Location**

Ottawa, Ontario, Canada

**Experience**

22+ years

**Qualifications/Accreditations**

- Bachelor of Science in Chemical Engineering, 2000

**Key technical skills**

- Contaminant Assessment and Remediation
- Decommissioning Closure and Rehabilitation
- Designated Substance Surveys
- Emergency Response Assessments

**Memberships**

- Professional Engineers of Ontario
- Ottawa Area Chapter of Association of Consulting Engineering Companies

**Relevant experience summary**

Joseph is a senior engineer with over 22 years of experience in environmental engineering. Joseph has experience in Phase I and II Environmental Site Assessments (governed by Canadian and United States regulations); emergency response assessments, remediation, and investigations; construction supervision/inspection and contract administration for UST removal projects, remediation projects, and landfill projects; designate substance surveys; coordination of various monitoring programs (groundwater, surface water, air); and other environmental compliance assessments (noise, air, sewer). Joseph has also been the Quality System representative for the Ottawa office for 6 years (2009 2015) and is a former member of the Office Joint Health and Safety Committee.

**Environmental Site Assessments**

**Phase I ESAs**

**Project Manager/Engineer | Various | Ontario, Quebec, Manitoba, Saskatchewan, Northwest Territories, Canada and New York and Michigan, USA | 2005 - Present**

Project Manager/Engineer for Phase I ESA inspections, research, and reporting in support of acquisition, divesture, due diligence, and regulatory requirements for over 90 industrial, commercial, municipal, and residential properties in Canada and USA. Other environmental compliance activities completed in conjunction with Phase I ESA include:

- Commercial/Vacant property in Ottawa, Ontario
- Transport facility and vacant property in Sudbury, Ontario
- Soil/Groundwater investigation of former UST area at quarry property in Renfrew, Ontario
- Groundwater investigation at former gas station property in Mississauga, Ontario
- Former gas station property in Kemptville, Ontario
- Former residential/parking lot property in Ottawa, Ontario
- Groundwater investigation at residential apartment building with former adjacent dry cleaning operations in Ottawa, Ontario
- Residential apartment building with historic industrial activities in Ottawa, Ontario
- Former industrial properties in Belleville, Ontario
- Office building property (former UST) in Ottawa, Ontario

**Phase II ESAs**

**Project Manager/Engineer | Various | Ontario, Canada | 2005 - Present**

Project Manager/Engineer for Phase II ESA programs and reporting in support of acquisition, divesture, due diligence, construction/redevelopment, and regulatory requirements for industrial, commercial, and residential properties including, but not limited to:

Phase II ESA activities included development of sampling plans and health & safety plans, along with coordination and implementation of utility locates, test pit and drilling activities, monitoring well installation, soil &

groundwater sampling and monitoring activities, analytical results review & interpretation, and client & regulatory reporting.

## **Project experience – Environmental Investigation, Remediation, and Risk Management**

### ***Leaking UST***

**Senior Engineer/Advisor |  
CAI Inc. | Prescott, Ontario, Canada | 2019**

Senior Engineer/Advisor for an environmental assessment and remediation of a potentially leaking underground storage tank containing heptane at a coatings, adhesives, and inks manufacturing facility. Responsibilities include:

- Coordination of groundwater and sewer sampling program along with analytical results review and reporting
- Budgetary estimates for remediation of heptane impact, as well as new tank farm design
- General consulting services with client and regulator

### ***Hawkesbury Lagoon Landfill Site***

**Project Manager/Engineer |  
MNRF | Hawkesbury, Ontario, Canada |  
2014 - 2020**

Project Engineer (later Manager) for the groundwater, leachate, and surface water monitoring program at a former pulp and paper site that is under remediation (lagoon sludge material transferred to landfill constructed on-Site). Responsibilities include coordination of monthly/quarterly groundwater, leachate, and surface water sampling events; advisor for drilling program for new monitoring wells installed within and outside landfill; assessment of hydrogeologic conditions; assessment of sample analytical data to regulatory trigger limits; implementation of applicable corrective action activities; and annual reporting to regulatory requirements. Other responsibilities included ECA amendment application, meeting with MECP, and leachate removal activities.

### ***Waste Oil Tank and Vault Decommissioning***

**Project Manager/Engineer |  
City of Ottawa | Ottawa, Ontario, Canada |  
2014 - 2015**

Project Manager/Engineer for the environmental assessment and decommissioning of an underground vault and former waste oil tank at the Lemieux Island Water Purification Plant. Responsibilities include:

- Development of a subsurface investigation program (soil and groundwater) in the vicinity of the vault

- Development of detailed design and technical specifications for the tank removal, vault decommissioning, and impacted soil removal
- Tender support, contract administration, and liaison between contractor and City
- Soil and groundwater sample data assessment and closure reporting

### ***Former Amoco Fabrics and Fibers Facility***

**Project Engineer |  
HCISPA | Hawkesbury, Ontario, Canada |  
2009 - 2011; 2017 - Ongoing**

Project Engineer and Contract Administrator for source removal/remediation activities of former yarn waste area and former sludge lagoon area. Responsibilities include:

- Development of detailed design and technical specification for excavation of yarn waste disposal area and excavation/in-situ chemical oxidation (ISCO) treatment of former sludge lagoon area
- Tender support, contract administration, and liaison between contractor and client
- Soil and groundwater data assessment and reporting of remediation activities

As of 2017, Project Engineer for development of technical specifications for demolition of on-Site treatment system and structures, as well as completion of a due diligence risk assessment (DDRA) for property redevelopment and sale. As of 2018, Project Manager for semi-annual groundwater monitoring program with annual reporting to regulatory agency, along with installation of new monitoring wells. Additional responsibilities included environmental advisor for property redevelopment, ECA application documents.

### ***Implementation of Risk Management Plan***

**Project Manager/Engineer |  
Sakto Corporation | Ottawa, Ontario, Canada |  
2008 - Ongoing**

Joseph is project manager and engineer for implementation of Risk Management Plan (RMP) at a residential/office building complex, where historic dry cleaning operations impacted groundwater at on and off-site properties. Responsibilities include:

- Assessment of quarterly and semi-annual groundwater and ambient air sampling data
- Annual reporting to City of Ottawa and MOECC
- Coordination and reporting of monthly effluent sampling from a groundwater pre-treatment system (air stripper) to City of Ottawa sanitary sewer (dewatering of 4-storey underground garage)

Based on consistent and/or decreasing groundwater VOC concentrations, the groundwater and air sampling have been reduced to annual events and annual summary reporting.

### ***Former Industrial Facility***

**Project Manager/Engineer |  
Metso Minerals Canada | Belleville, Ontario, Canada |  
2010 - 2019**

Project Engineer (later Manager) for due diligence activities completed at former mining equipment manufacturing facility with 11 structures constructed between 1915 and 1990. Scope and responsibilities included:

- Project Engineer for Phase I and II ESAs, along with budgetary estimates for risk assessments, demolition, remediation efforts, etc. as part of client divesture of the property
- Project Manager and Engineer for Designated Substance and Hazardous Material survey and reporting
- Project Manager and Engineer for development of design drawings and specifications for the building abatement and demolition activities
- Project Manager for tender support, construction inspection, and contract administration services associated with abatement/demolition

### **Emergency Spill Response**

#### ***Industrial Facility***

**Project Manager/Engineer |  
DEW Engineering & Development | Ottawa, Ontario,  
Canada | 2019**

Project Manager and Engineer for completion of spill assessment and sampling/reporting associated with a zinc phosphate solution release affecting Site and adjacent property. Responsibilities included coordination of spill assessment and confirmatory soil sampling, followed by review of analytical results and completion of spill closure reporting.

#### ***Residential Fuel Oil Spill***

**Project Manager/Engineer |  
Private Resident | Ottawa, Ontario, Canada |  
2019**

Project Manager/Engineer for completion of initial assessment and subsequent remediation coordination for a fuel oil spill at a private residence. Responsibilities included:

- Coordination of initial assessment/reporting of fuel oil impact and subsequent investigation/sampling to determine extent of impact
- Coordination for soil remediation (excavation) at Site
- Spill closure reporting

### ***Highway 401 Truck Accident***

**Project Manager/Engineer |  
TransForce | Joyceville, Ontario, Canada | 2018**

Project Manager and Engineer for completion of spill assessment and sampling/reporting associated with a diesel fuel spill off Highway 401. Responsibilities included coordination of spill assessment and confirmatory soil sampling, followed by review of analytical results and completion of spill closure reporting.

### ***Incident Assessment and Remediation Coordination - Highway 417 Truck Accident***

**Project Engineer |  
TransForce | Ottawa, Ontario, Canada | 2015**

Project Engineer for completion of initial assessment and subsequent remediation coordination for a truck accident that spilled diesel fuel on the highway median. Initial assessment responsibilities included waste contractor coordination (drum removal), collection of incident details, soil sampling of impacted area (delineation and waste disposal purposes), as well as reporting incident to the MOECC Spills Action Centre. Remediation coordination responsibilities included contractor procurement and scheduling (traffic control, remediation, landfill, and laboratory). Work completed at night based on incident location and MTO encroachment permit.

### **Career history**

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2001 - present	GHD, Project Manager/Engineer (Ottawa, Ontario; and Plymouth, Michigan)
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# Kevin Emenau B.Sc., P. GEO.

## Team Leader



### Location

Ottawa, Ontario, Canada

### Experience

34 years

### Qualifications/Accreditations

- Bachelor of Science Specialization in Geology, 1986
- Certification in Occupational Health & Safety, Ryerson University, 2006

### Key technical skills

- Due Diligence, Risk management
- Client Contract Administration
- Technical Peer Review
- Environmental Site Management
- Project Management
- Contaminated Site Management

### Memberships

- Association of Professional Engineers and Geoscientists of New Brunswick (APEGNB)
- Association of Professional Geoscientists of Nova Scotia (APGNS)
- Association of Professional Geoscientists of Ontario (APGO Membership No. 3120)

### Relevant experience summary

Kevin is a Team Leader in the Contaminated Sites and Remediation group based out of the Ottawa office, working in the environmental sector since 1987. Kevin has work experience in a variety of environmental, mining and water resource sectors including Phase I and Phase II environmental assessments and remediation projects for a variety of contaminants. Kevin's typical responsibilities include contract management: overall project supervision, client, contractor and regulator liaison, reporting, and budget control. Kevin has been a senior project manager of over 500 environmental site assessments and petroleum hydrocarbon remediation projects throughout NS, NB, Ontario, Quebec, and PEI involving retail petroleum and bulk petroleum storage facilities, refineries, marine terminals, various residential/commercial/industrial facilities, and emergency spill sites. Project components have included: Hazardous materials surveys, soil vapour and air quality surveys, development of intrusive assessment and sampling programs, aquifer analysis and contaminant plume delineation, quantitative risk assessments utilizing the Atlantic Risk Based Corrective Action (RBCA) process, development and implementation of remedial action plans, site monitoring and closure activities and liaison with regulatory agencies.

### Environmental Assessments

#### ***Various National Capital Commission (NCC) Properties***

**Project Director |  
National Capital Commission | Ottawa, Ontario,  
Canada | 2019-2022**

Acted as Project Director for Phase 1 and 2 Environmental Site Assessments and Due Diligence Risk Assessments (DDRA) at NCC properties Westboro Beach, Wellington Monument, and ongoing projects at CFB Rockcliffe Park, Kizell Wetlands. Projects completed as part of existing 4 year MSA agreement with NCC.

#### ***Various Small Craft Harbours - Marine Sediment Sampling/Human Health & Ecological Risk Assessments***

**Senior Peer Review |  
PSPC | Newfoundland, Canada | 2019-2021**

As peer reviewer Kevin completed historical document reviews, and technical reviews of marine sediment and biota sampling programs for over four small craft harbour properties for PSPC, on behalf of Fisheries and Oceans Canada. The main objective of the programs was to assess whether contaminants of potential concern in harbour sediment pose potential unacceptable risks to human and ecological receptors as compared to current and appropriate environmental guidelines. Marine sampling included bulk marine



sediment for chemical analysis, taxonomic evaluation of the benthic invertebrate community and chemical analysis of invertebrate tissue, with report preparation.

### ***Metro Transit Bus Depot Remediation***

**Project Principal | Halifax Regional Municipality | Dartmouth, Nova Scotia, Canada | 2014-2016**

Managed emergency response services associated with a significant diesel release at a Metro Transit Bus Depot. Responsibilities included: remedial plan implementation, removal, replacement and testing of 230 metres (m) of waterline and site restoration; 8000 tonnes of source removal excavation with groundwater treatment and third party offsite impact consideration. Project completed while maintaining 24 hour a day transit operation. Involved with contract administration and construction oversight, as well as managing client and regulatory expectations, and off-site third party Department of Transportation concerns. Project was closely peer reviewed for insurance and legal subrogation purposes, and involved preparing for legal discovery hearings.

### ***Emergency Response Remediation - Various Locations***

**Project Director | Various Insurance Companies | Various Locations, Nova Scotia, New Brunswick, Quebec, and Ontario Canada | 2012-2022**

On-site assessment and remediation work of commercial and residential fuel oil releases, chemical releases, and vehicle incidents at over 140 sites/properties. The projects involved managing a multi-discipline oriented group of consultants, subcontractors, as well as insurance adjusters (TD, Allstate, Aviva, CMHC) and property owner expectations. Site work often includes assessment and identification of the contaminant pathway, third party receptor impacts and typically excavation of the source contaminant from an adjacent residence or structure. Projects or claims often involve onsite construction oversight, structural assessments, confirmation soil and groundwater, potable water and soil vapour sampling, geotechnical reinstatement expertise and regulatory closure reporting. Excellent supervisory and communication skills, attention to detail as well as exposure to insurance and subrogation policies have led to repeat GHD insurance and private sector emergency response work.

### ***Soil and Groundwater Investigations - Various Locations***

**Project Principal | Irving Oil, Shell Canada, Suncor | Various Locations in Atlantic Canada, Ontario | 2010-2021**

Phase I and II Environmental Site Assessments (ESAs) and remedial implementations at numerous petroleum company facilities both active and decommissioned throughout Atlantic Canada. The ESAs predominantly dealt with petroleum hydrocarbons, heavy metals, and PAHs with off site assessment for delineation purposes. The analytical results were compared to Tier I, II, or III screening levels as well as the applicable CCME target levels and ecological benchmarks. Projects involve communication with the regulators, third party property owners and discussions with the client to agree on practical and effective remedial solutions which achieve an end goal of regulatory closure. This mitigates the contaminant risk and creates the subsequent potential for re-sale and property development.

### ***Emergency Response, Acid Release Investigation, Mitigation***

**Project Principal | Baker Hughes | Dartmouth, Nova Scotia, Canada | 2015-2016**

Managed the response assessment, mitigation, and onsite remedial work to address a hydrochloric acid release at a Baker Hughes offshore supply facility in Burnside Park, Dartmouth. Project involved immediate chemical containment, neutralization with a soda ash and removal of the excess liquid acid, while securing the area, and informing employees and building occupants of the required safety requirements associated with the chemical cleanup. The site was assessed and remediated in accordance with the Nova Scotia Environmental Emergency Regulations, under the Environment Act, under close communication with the client and local regulatory authorities.

### ***Historic Fuel Oil Release Investigation and Regulatory File Closure***

**Project Principal | CMHC | Pictou Landing, Nova Scotia, Canada | 2014-2016**

Senior Project Manager, involved with reviewing a historic residential fuel oil release file from 1998, and agreeing on a path forward with client, CMHC and local regulatory office. Project involved assessing multi-level monitor well bedrock installations, contaminant characteristics in the sedimentary bedrock, and completing a 72 hour pump test to confirm the lower drinking water aquifer was not impacted. Regulatory closure was achieved with institutional controls for the

property, including a restrictive potable well exclusion zone for the property.

### ***Soil and Groundwater Investigation - Petroleum Refinery Site***

#### **Project Principal | Imperial Oil Ltd. | Nova Scotia, Canada | 2012-2014**

Assisted with the management of an environmental project at a petroleum refinery. The work included a Phase I review of historical activities on the property and a Hazmat survey to identify areas of potential environmental concerns and contaminants of concern. The prioritized areas were then investigated through a Phase II drilling program during which soil and groundwater samples were collected and analyzed for BTEX, TPH, MTBE, PCBs, PAHs, VOCs, and metals. An ecological evaluation was also completed as the refinery is located near a marine harbor. The data was then screened against pathway specific criteria for both human health and ecological receptors and an action plan was developed and implemented to address potential issues identified. The plan included groundwater remediation activities, soil vapour assessment, and specialized low flow sampling at selected locations.

### ***Contaminant Investigation - CPR Railyard***

#### **Project Hydrogeologist | Canadian Pacific Railway (CPR) | McAdam, New Brunswick, Canada | 2000-2001**

Project Hydrogeologist for a detailed Phase II ESA at a CPR railway facility in McAdam New Brunswick. The assessment included a geophysical component, multi-level well installations for detailed hydrogeological contaminant delineation, D-NAPL modelling, reporting, risk management and remedial option design. Project assessment and remediation was associated with petroleum hydrocarbon, and VOC (perchloroethylene) historic investigation work.

### ***Ordnance Assessment and Geophysical Investigation - CFB Tracadie Bombing Range***

#### **Project Hydrogeologist | Department National Defence (DND) | New Brunswick, Canada | 1998-2002**

Project Hydrogeologist for Phase II ESA at Cap Blanc, CFB Chatham Bombing Range in Tracadie New Brunswick. Involved GIS grid mapping, geophysics for anomaly investigation, test pitting, monitor well installations, waste and potential ordnance material characterization and remedial design/implementation. Program followed a rigorous QA/QC Health & Safety Plan developed by a UXO Ordnance Supervisor.

### ***Replacement Water Supply***

#### **Project Hydrogeologist | Irving Oil Ltd. | Boistown, New Brunswick, Canada | 2000-2001**

Completed a groundwater quality survey and well replacement for three commercial properties impacted with gasoline contamination in Boistown, New Brunswick. Work included bedrock aquifer pump testing, with time series sampling to confirm a reliable, consistent yielding water supply.

### ***Hazardous Waste Investigation***

#### **Project Hydrogeologist | Department Natural Resources | Noonan, New Brunswick, Canada | 2001-2002**

Project Hydrogeologist of a Phase II ESA at Natural Resources – Experimental Station in Noonan, New Brunswick. Investigation involved hazardous waste (pesticides, herbicides, solvents, PCB's) characterization, contaminant delineation, remedial option design including risk management and manifestation of hazardous materials.

### ***Jet-A Fuel Release - Halifax Airport***

#### **Project Director | Halifax Stanfield International Airport | Enfield, Nova Scotia, Canada | 2018-2020**

Acted as overall Project Director reviewing emergency spill response activities related to the release of Jet-A fuel from an underground fuel supply line. The project involved the containment and recovery of fuel from an adjacent watercourse, all civil works relating to locating the leak and execution of the fuel line repair, and remedial work. The project site is located within a restricted access area of the Halifax Airport, which required ongoing liaison with the airport authority and scheduling work with Transport Canada, and airport security protocols. The project also included an Environmental Site Assessment to assess soil and groundwater quality adjacent the fuel infrastructure.

### ***Contaminant Investigation - DCC, Various Sites***

#### **Project Hydrogeologist | Defence Construction Canada (DCC) | Various Sites, Nova Scotia, New Brunswick, and Ontario Canada | 2001-2010**

Project Hydrogeologist, Contaminated Site Monitoring, DCC and Marlant, Various Sites in Nova Scotia; provided technical guidance for site programs involving groundwater, surface water, soil and sediment collection for hydrocarbon, metals, VOC's and PAH analysis, and respective site remediation cost benefit analysis.

### ***Environmental Investigation - DCC, Various Sites***

#### **Project Hydrogeologist | Defence Construction Canada (DCC) | Various Sites, Nova Scotia, Canada | 2002-2010**

Project Hydrogeologist for environmental investigations of several Marland sites. Objectives of investigations were to move sites towards closure under DND's Contaminated Sites Framework and involved supplemental site investigations, contaminant identification/delineation, detailed qualitative risk assessments, risk assessment and/or remedial action.

### ***Environmental Site Characterization - DND, CFB Base Chatham (30 Sites)***

#### **Project Hydrogeologist | Department National Defence (DND) | New Brunswick, Canada | 1998-2002**

Project Hydrogeologist for environmental investigations of 30 sites at CFB Chatham, New Brunswick. The detailed investigations as part of the base closure, involved Phase I/II activity, contaminant identification/delineation, risk assessment, remedial action, and projected land management, as part of the base transfer of lands to the Province. Assessment work included an evaluation of the base production well(s) water supply and several experimental in-situ remedial investigation areas involving biopiles and phytoremediation cells.

### ***Hydrogeological Study - Wellfield Assessment***

#### **Project Hydrogeologist | Town of Shelburne | Nova Scotia, Canada | 2002**

Managed a hydrogeological study for the Town of Shelburne that involved the drilling of three potential production wells, including new well site location, test drilling, well yield confirmation (125 gal/min high quality potable water), and securing the water quality testing to meet Canadian water quality standards.

### ***Phased ESAs, Ecological Screening and Remediation - Former Coal Fired Generating Station***

#### **Senior Project Manager | New Brunswick Power | Chatham, New Brunswick, Canada | 2003-2004**

Phase I and II ESAs were completed at a former electrical power generating station in Chatham New Brunswick. The station included a diesel and Bunker C tank farm, transformer area, and a generation building. The assessment predominantly dealt with petroleum hydrocarbons, heavy metals, PAHs, and PCBs impacts in both soil and groundwater. The analytical results were compared to Tier I and II screening levels as well as the

applicable CCME target levels. Some remedial activities were completed as part of the work (groundwater pump and treat system and selective soil excavation). Regulatory closure was obtained on a Tier II risk assessment basis, saving our client hundreds of thousands of dollars in remediation costs.

### ***Spill Response***

#### **Senior Project Manager | Various | Nova Scotia, Canada | 2006-2011**

Project Manager of over 25 commercial and industrial emergency response programs associated with diesel and chemical releases, on behalf of various insurance companies. Projects have involved the investigation and mitigation of vapours in buildings, removal of impacted soil, prevention of impact to environmental receptors, and the restoration of site conditions.

### ***Peach Lake Agent Orange Investigation***

#### **Senior Project Manager | Defense Construction Canada | Camp Aldershot, Nova Scotia, Canada | 2006-2008**

Senior Project Manager responsible for planning and executing a geophysical survey and sediment investigation at an active firing range at a military training base in Nova Scotia. A UXO survey was completed concurrent with sediment sampling in the lake. The geophysical and sediment quality data allowed the client to demonstrate that allegations of disposal of chemical defoliant into the lake in the 1960s were false. Close client and regulatory communication was critical to this successful project completion.

### ***Trans Maritime Pipeline Route Investigation***

#### **Senior Project Manager | National Energy Board | Atlantic Canada | 2002-2004**

Project Hydrogeologist for the Trans Maritime Pipeline Application for the National Energy Board. Responsible for evaluating geology and hydrologic resources along a potential gas transmission route through Nova Scotia and New Brunswick. Tasks included detailed baseline data collection (land use, soil/bedrock mapping, water supply/watershed identification), pipeline routing, GIS constraint mapping, impact assessment, mitigation recommendations and residual affects assessment.

### ***Phased ESAs - Canadian National Rail Yards***

#### **Senior Project Manager | CN Rail | Atlantic Canada | 1998-2005**

Project Manager for Phase II/III ESAs at former and active CN rail yard sites in Moncton, New Brunswick (Gordon Yard and the Lower Moncton Yard); Campbellton, New Brunswick; Saint Basile, New Brunswick; and Sydney, New Brunswick between 1998

and 2005. The sites were typically assessed for hydrocarbons, PAH, and heavy metal impact. A human health risk assessment and remedial action planning was subsequently completed on several sites within the Lower Moncton Yard. During this time period, numerous Phase I and II ESAs at various CN Real Estate properties throughout Nova Scotia and New Brunswick were completed. Hazardous material surveys were completed at several site buildings prior to renovation/demolition activities.

### ***Environmental Impact Assessment***

#### **Project Manager | Transport Canada | Atlantic Canada | 1997-2003**

Project Manager for Environmental Baseline Studies at the Saint John, Fredericton, Moncton, and Halifax airport (Transport Canada). Investigations included Phase I audits of all airport tenants, Phase II and III intrusive investigations, geophysical assessments, risk assessment and remedial action plan cost benefit analysis.

### **University Educational Instructor**

#### ***Environmental Course Instruction***

#### **Instructor | College of Continuing Education, Dalhousie University | Halifax, Nova Scotia, Canada | 2009-2015**

Developed and instructed a Phased Management of Environmental Site Assessment Course for Dalhousie University College of Continuing Education.

#### ***Environmental Workshop Instruction***

#### **Instructor | College of Continuing Education, Dalhousie University | Halifax, Nova Scotia, Canada | 2009-2015**

Developed and instructed workshops on the overview of Regulatory Framework for Contaminated Sites, providing an understanding of both provincial and federal regulations.

### **Senior Technical Advisor**

#### ***McNab's Island***

#### **Senior Technical Advisor | Parks Canada | Halifax, Nova Scotia, Canada | 2008-2009**

Assisted in designing a work plan and provided technical support for a Phase II Environmental Site Assessment of a former bulk fueling facility. Kevin provided technical support for the soil and groundwater remediation project and post remediation groundwater monitoring. This project was completed on an island in Halifax Harbour during the winter, which presented challenging logistical

conditions. Successful completion of this project enabled the client to transfer ownership of the property to the province.

### **Building Science/Due Diligence**

#### ***Building Conditions Audits***

#### **Principal In Charge | Various | City of Kingston and Ottawa Region, Ontario, Canada | 2017-2018**

Recently awarded, Building Condition Audits (BCAs) for 13 Corporations consisting of 62 properties (753 Units) in the Kingston and Ottawa area. Work involved site assessments, reporting and capital planning of low and high-rise housing over a 30-year investment horizon. Duties also included asset management, scheduling, reporting and liaison with senior municipal personnel.

#### ***Building Conditions Audits and Designated Substance Surveys***

#### **Principal In Charge | Town of Penetanguishene | Penetanguishene, Ontario, Canada | 2018-2020**

BCA and Designated Substance Survey (DSS) for 16 town facilities including Town Hall, Tourist Information Centre, Museum, Curling Club, Library, Public Works Buildings, Parks & Utility Buildings. Work conducted as part of Ontario Regulation 588 to determine the asset condition, year, and ongoing cycle of asset replacement; and to provide recommendations and order-of-magnitude costing in 20-year capital expenditure tables.

### **Designated Substance Survey**

#### ***Designated Substance Surveys and Hazardous Building Materials Assessment***

#### **Project Director | Various | Ottawa, Pembroke, Southeastern, Ontario, Canada | 2017-2018**

Project Director for asbestos containing material (ACM) surveys, DSSs, Hazardous Building Materials Assessments (HBMA) or mould assessments at the following sites:

- DSSs at various municipal facilities for the City of Pembroke, Pembroke, Ontario. Preparation of Asbestos Management Plan.
- HBMA at various institutional buildings for the Catholic District School Board of Eastern Ontario, Southeastern Ontario.
- DSSs and ACM surveys at various residential buildings (dwellings and apartment buildings) for private residential clients, Ottawa, Ontario.

## Career history

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2017 to Present	GHD, Principal (Ottawa , ON)
2015 - 2017	GHD, Associate/Principal (Halifax, Nova Scotia)
2005 - 2015	Conestoga Rovers & Associates, Associate (Halifax, Nova Scotia)
1997 - 2004	Dillon Consulting, Associate, (Moncton, Nova Scotia)
1992 - 1997	Dillon Consulting, Project Manager, (Fredericton, New Brunswick)
1990 - 1992	CMPS Engineering, Project Geologist, (Sydney, Australia)
1988 - 1990	Porter Dillon Consulting Ltd., Project Scientist, (Halifax, Nova Scotia)
1986 - 1988	Northgate Exploration, Mining Geologist, (Toronto, Ontario)

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# **Appendix B**

**Previous Environmental Reports**



# Phase One Environmental Site Assessment

600 March Road, Kanata (Ottawa), Ontario

Nokia Canada Inc.

April 20, 2022



→ The Power of Commitment



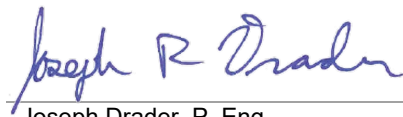
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Joseph Drader, P. Eng.



**Document status**

Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S3	00	Joseph Drader, P.Eng.	Kevin Emenau, P. Geo.	*On File	Joseph Drader, P. Eng.	*On File	March 15, 2022
S4	01	Joseph Drader, P.Eng.	Kevin Emenau, P. Geo.		Joseph Drader, P. Eng.		April 20, 2022
S4	02	Joseph Drader, P.Eng.	Kevin Emenau, P. Geo.		Joseph Drader, P. Eng.		September 9, 2022

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# 1. Executive Summary

GHD Limited (GHD) was retained by Nokia Canada Inc. (Nokia) to conduct a Phase One Environmental Site Assessment (ESA) of the commercial/industrial property located at 600 March Road in Kanata (Ottawa), Ontario; the property will be hereinafter referred to as the Site or Phase One Property. The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Phase One Property is approximately 10.39 hectares (ha) (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 square metres [m<sup>2</sup>] of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads, and landscaped areas. The Phase One Property is currently owned by Nokia and is used for office and research/development activities. Prior to the current development, the Phase One Property was vacant and/or used for agricultural purposes.

The Phase One ESA was conducted in accordance with the requirements of Ontario Regulation (O. Reg.) 153/04 – Record of Site Condition (O. Reg. 153/04), as amended. The purpose of the Phase One ESA is to identify, through a non-intrusive investigation, the existence of any Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs) associated with the Site. PCAs and APECs are defined in O. Reg. 153/04.

It is GHD's understanding that Nokia intends to amend the zoning of the Phase One Property to add additional density and uses into an integrated live/work/play community. This includes the addition of two high rise buildings for labs and offices with at least one level of parking for each building and the potential to add more underground basement levels subject to the bedrock depth. The Phase One ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The Phase One ESA may also be used to support the preparation of a Record of Site Condition (RSC) in accordance with O. Reg. 153/04 - RSC, as applicable.

The Phase One ESA was conducted by Mr. Joseph Drader and was reviewed by Mr. Kevin Emenau, both of GHD. Mr. Drader is Qualified Persons as defined with O. Reg. 153/04. The qualifications of Mr. Drader and Mr. Emenau are presented in **Appendix A**.

Based on the results of the Phase One ESA, including the Site inspection, information provided by Site representatives and regulatory agencies, documents reviewed, and the review of Site history, the following APECs were identified to be associated with the Site.

1. **Adjacent Manufacturing Operations** | Based on review of historical documentation and Site inspection, the electronic manufacturing operations of the Sanmina Corporation on the adjacent property to the south at 500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as **APEC #1**.
2. **Surrounding Dry Cleaning Operations** | The operation of various dry cleaners at 591 March Road to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as **APEC #2**.
3. **Surrounding Historic Landfill** | The historic March Landfill (operated from 1963 to 1974) and associated groundwater contamination (chlorinated solvents that extend approximately 1.5 kilometres [km] from the former landfill) located northwest and west of the Site are identified as a PCA (#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners) in accordance with O. Reg. 153.04, and the northwest portion of the property boundary is identified as **APEC #3**.
4. **Surrounding Manufacturing Operations** | Newbridge Networks Corp at 603 March Road located west of the Site (across March Road) was identified in the CA database with approved/cancelled Industrial Air certificates around 1990-1991 for Exhaust Systems No. 1-5. In addition, Tundra Semiconductor Corp was identified with operations noted as "semiconductor and other electronic component manufacturing". The operations at

603 March Road are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the northwest property boundary is identified as **APEC #4**.

5. **Site Diesel Generator/Tank Operations** | Although no reported spills were identified by the Site Representative, due to snow covered exterior containment area and evidence of drips/staining from generator within the outbuilding (on top of flat tank), the operation of the exterior 4,540 litre AST is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04, and the fenced in area containing the generator and AST is identified as **APEC #5**.

Based on the information obtained in completing this Phase One ESA, it is our opinion that a Phase Two ESA is required to characterize soil and groundwater quality at the Phase One Property before a RSC can be filled with the MECF. The Phase Two ESA should evaluate the presence or absence of soil or groundwater impact to the Site from all identified APECs.

## 2. Introduction

### 2.1 Phase One ESA Property Information

GHD was retained by Nokia Canada Inc. (Nokia) to conduct a Phase One Environmental Site Assessment (ESA) of the commercial/industrial property located at 600 March Road in Kanata (Ottawa), Ontario; the property will be hereinafter referred to as the Site or Phase One Property. A Site Location Map and a Site Plan are provided on **Figure 1** and **Figure 2**, respectively.

The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Phase One Property is approximately 10.39 ha (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 m<sup>2</sup> of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads, and landscaped areas. The Phase One Property is currently used for office and research/development activities. Prior to the current development, the Phase One Property was vacant and/or used for agricultural purposes.

The Site is legally described as Part of Block 1 and Block 6 under Registered Plan 4M-642 and Part of Lots 8 and 9 under Concession 4, Geographic Township of March, City of Ottawa. A legal survey of the Phase One Property is provided in **Appendix B**.

The Site contains five parcels with the following property identification numbers (PINs) and descriptions:

- 04517-0813 (LT) | Block 1, Plan 4M-642, Save and Except 1, 2, and 16 on Plan 4R-12735, Kanata.
- 04517-0699 (LT) | Southeast Half of Lot 9, Concession 4, Designated as Part 4 on 4R-5753, Save and Except Parts 1, 2, and 3 on Plan 4R-11611, Kanata.
- 04517-0474 (LT) | PCL 6-1, Sec 4M-642, Block 6, PL 4M-642, Kanata.
- 04517-0467 (LT) (parking lot) | PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.
- 04517-0809 (LT) (parking lot) | Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.

The Site is currently owned by Nokia Canada Inc. Contact information for the client representative is listed below:

Mr. Aaron Clodd, Director, Development Management Strategy & Consulting Group  
Colliers  
181 Bay Street, Suite 1400  
Toronto, Ontario M5J 2V1  
Phone: (905) 960-4506  
Email: aaron.clodd@colliers.com

## 3. Scope of Investigation

The Phase One ESA was conducted in accordance with the requirements of O. Reg. 153/04, as amended. The purpose of the Phase One ESA is to identify, through a non-intrusive investigation, the existence of any PCAs and Areas of Potential Environmental Concern (APECs) associated with the Site. PCAs and APECs are defined in O. Reg. 153/04.

It is GHD's understanding that Nokia intends to amend the zoning of the Phase One Property to add additional density and uses into an integrated live/work/play community. This includes the addition of two high rise buildings for labs and offices with at least one level of parking for each building and the potential to add more underground basement levels subject to the bedrock depth. The Phase One ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The Phase One ESA may also be used to support the preparation of a Record of Site Condition (RSC) in accordance with O. Reg. 153/04 - RSC, as applicable.

The following tasks were conducted as part of the Phase One ESA:

- Review of an electronic environmental database search of federal, provincial, and private source databases.
- Review of Phase One Property title records.
- Review of available historical records including fire insurance plans, aerial photographs of the Site and surrounding area, regional geological information, and previous environmental reports.
- Review of past and current Phase One Property usage and adjacent property occupancy.
- Examination of the facilities, equipment, utility services, operations, and associated records for the Site.
- Observations of any conditions that represented potential environmental concerns.
- Review of chemical use and storage, and spill/release incidents.
- Review of aboveground and underground storage tank records.
- Review of waste handling, accumulation, storage, and disposal practices.
- Review of air emissions and wastewater discharges.
- Review of equipment that potentially contains chlorofluorocarbons.
- Review of equipment that potentially contains polychlorinated biphenyls.
- Observations of potential lead-based paint.
- Observations of potential asbestos-containing materials.
- Inquiries with regulatory agencies and interviews with persons knowledgeable of the Site and Site operations.

In completing the Phase One ESA, GHD relied on information received from all parties as being accurate unless contradicted by written documentation or field observations.

The following report summarizes the information gathered by GHD during the Phase One ESA and identifies any PCAs and APECs associated with the Site. PCAs and APECs are defined in O. Reg. 153/04. As required by O. Reg. 153/04, this Phase One ESA also identifies any potential contamination migration pathways and receptors associated with the Property, to the extent that the data compiled allows.

### 3.1 Limitations

This report has been prepared by GHD for Nokia and Colliers, and may only be used and relied on by Nokia and Colliers for the purpose agreed between GHD and Client (Nokia).

GHD otherwise disclaims responsibility to any person other than the Client arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

## 4. Records Review

### 4.1 General

#### 4.1.1 Phase One Study Area Determination

The Phase One Study Area included all properties located wholly or partially within 250 metres (m) of the boundary of the Site, as required by O. Reg. 153/04. This area has been determined by GHD to be a sufficient study area since PCAs and/or APECs located beyond 250 m from the Site will not likely adversely impact the Property.

The adjacent and surrounding properties within the Phase One Study Area were visually inspected from the Site and/or nearby streets, without accessing the properties, for evidence of existing or potential environmental concerns related to the Phase One ESA. GHD also visually inspected all of the surrounding properties within the Phase One Study Area that were visible from applicable streets.

Along with various residential, commercial, and vacant properties located within the Phase One Study Area, a couple business park areas (known as the Kanata Research Park and Kanata North Technology Park) were identified. Although various potential technology and/or research manufacturing may be conducted on the interior of these buildings/properties, the exterior of many of the buildings/properties appeared to be operated solely as offices with no apparent manufacturing being conducted based on GHD's visual inspection, unless as noted below. Details from the other Records Review documentation may identify actual/potential PCAs and/or APECs at these properties based on operations/details provided in those sections.

Information regarding adjacent/surrounding properties within the Phase One Study Area are noted below:

#### North

The Site is bound to the north by Terry Fox Drive, beyond which are the following properties:

- Wooded area (north) and strip mall property (northeast) at 700 March Road with offices (Scotia Bank, dental, optometry, and physio), stores (convenience market, barber, video games, and cleaners [no dry cleaning observed]) and restaurants (Burger King, Subway, Chinese Food, Barley Mow) to the north.
- Residential development to the north (off McKinley Drive) and to the northwest beyond intersection of March Road and Terry Fox Drive.
- Beyond the commercial property to the north is a vacant, wooded property, followed by a Shell gas station with car wash building at 720 March Road.
- Beyond wooded area to the northeast are office buildings at 360 and 362 Terry Fox Drive (Artaflex [integrated electronics services] and B.J. Kane Electric Ltd [commercial and industrial electrical services], respectively).

## West

The Site is bound to the west by March Road, beyond which are the following properties (north to south):

- Office buildings at 603 March Road and 375 Terry Fox Drive (Renasas [microcontrollers, analog and power devices] and TalentLab [IT Recruiters]).
- Vacant, wooded property.
- Commercial strip mall property at 591 March Road; includes following businesses: insurance, veterinary hospital, restaurants, pet grooming and supplies, spa.
- Power Muscle & Fitness (Gym) property at 555 March Road.
- Commercial property (insurance company and medicine wellness centre) at 525 March Road.
- Office building at 88 Hines Road (Telemus [electric warfare systems] and CCI Antennas [wireless equipment]).
- Office buildings at 80 and 84 Hines Road (multiple businesses at both buildings).
- Royal Canadian Legion at 70 Hines Road.
- Office buildings at 505 March Road and 50 Hines Road (multiple businesses at both buildings).

## South

The Site is bound to the south by the following properties:

- Office and possible manufacturing (Sanmina Corporation – Optical, RF/Microwave products) property at 500 March Road (adjacent).
- Vacant, wooded property with evidence of a creek running through it at 490 March Road.
- Office building at 3001 Solandt Road (flex [electronics services]).
- Office building at 40 Hines Road (Trend Micro [cybersecurity]; across March Road to the southwest).
- Office building at 495 March Road (multiple businesses; across March Road to the southwest).

## East

The Site is bound to the east by Legget Drive, beyond which are the following properties (south to north):

- Office building at 425 Legget Drive (Innovapost, Avaya, Renaissance).
- Office building at 515 Legget Drive (multiple businesses).
- Brookstreet Hotel and Conference Center at 525 Legget Drive, beyond which is a golf course and stormwater ponds.
- Office building at 535 Legget Drive (multiple businesses).
- Office buildings at 555 Legget Drive (multiple businesses).
- Office building at 359 Terry Fox Drive (multiple businesses).

Based on GHD's observations during the Site inspection, the following PCAs and/or APECs were identified within the Phase One Study Area:

- The operations of the Sanmina Corporation on the adjacent property to the south at 500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as **APEC #1**.
- GHD observed a Shell gas station at 720 March Road within the Phase One ESA Study Area to the north of the Site (approximately 225 m distance). The operation of gas station is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.

## 4.1.2 First Developed Use Determination

Based on GHD's review of historical documents and information gathered from Site interviews, the Site was vacant and/used for agricultural purposes between 1930 and 1987. Construction of office buildings on the Site started around 1987, with additional buildings constructed up through 1997. Office and research/development operations have been conducted since 1987.

## 4.1.3 Fire Insurance Plans

Fire insurance plans assist in the identification of historical land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements, and facility operations. No coverage for the Site and adjacent lands were found on existing fire insurance plans.

## 4.1.4 Chain of Title

GHD was provided chain of title search documentation for the Phase One Property from Colliers. A copy of the title search is provided in **Appendix C**.

Title search documents go back to 1988 which is an acceptable time period based on review of aerial photographs (refer to Section 4.3.1) and the Phase One Property having not been developed as of 1985. The results of the title search and deviations in ownership of the Site are summarized below.

Year	Property Ownership
<b>04517-0813 (LT)   Block 1, Plan 4M-642, Save and Except 1, 2, and 16 on Plan 4R-12735, Kanata.</b>	
February 1988 to November 1988	Notice Agreements identified: <ul style="list-style-type: none"> <li>– Regional Municipality of Ottawa-Carleton</li> <li>– Corporation of the City of Kanata</li> <li>– Kanata Hydro-Electric Commission</li> </ul>
November 1988 to October 2002	Newbridge Networks Corporation Additional Notice Agreements and Easements identified during this period: <ul style="list-style-type: none"> <li>– Corporation of the City of Kanata</li> <li>– Kanata Hydro-Electric Commission (Easement)</li> <li>– Regional Municipality of Ottawa-Carleton</li> <li>– Kanata Research Park Corporation</li> </ul>
October 2002 to April 2013	Alcatel Canada Inc. Lease identified for Rogers Wireless Inc./Rogers Communication Inc.
April 2013 to January 2022 (date of search)	Alcatel-Lucent Canada Inc.
<b>04517-0699 (LT)   Southeast Half of Lot 9, Concession 4, Designated as Part 4 on 4R-5753, Save and Except Parts 1, 2, and 3 on Plan 4R-11611, Kanata.</b>	
April 1989 to March 2003	Newbridge Research Corporation (later Newbridge Networks Corporation as of September 1996) Additional Notice Agreements identified during this period: <ul style="list-style-type: none"> <li>– Corporation of the City of Kanata</li> <li>– Regional Municipality of Ottawa-Carleton</li> <li>– Kanata Research Park Corporation</li> </ul> Leases identified for Clearnet PCS Inc., Bell Mobility Inc., TM Mobile Inc, Telus Communications Inc.
March 2003 to January 2022 (date of search)	Alcatel Canada Inc.



Year	Property Ownership
<b>04517-0474 (LT)   PCL 6-1, Sec 4M-642, Block 6, PL 4M-642, Kanata.</b>	
February 1988 to April 1989	Notice Agreements identified: <ul style="list-style-type: none"> <li>– Regional Municipality of Ottawa-Carleton</li> <li>– Corporation of the City of Kanata</li> <li>– Kanata Hydro-Electric Commission</li> </ul>
April 1989 to January 2022 (date of search)	Newbridge Research Corporation (later Newbridge Networks Corporation)
<b>04517-0467 (LT) (parking lot)   PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.</b>	
November 1994 to January 2022 (date of search)	Newbridge Networks Corporation Additional Notice Agreements identified during this period: <ul style="list-style-type: none"> <li>– Corporation of the City of Kanata</li> <li>– Kanata Research Park Corporation</li> </ul>
<b>04517-0809 (LT) (parking lot)   Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.</b>	
May 1996 to January 2022 (date of search)	Newbridge Networks Corporation (transfer from Minto Developments Inc.) Additional Notice Agreements identified during this period: <ul style="list-style-type: none"> <li>– Corporation of the City of Kanata</li> <li>– Kanata Research Park Corporation</li> </ul>

No PCAs or APECs were identified based on available chain of title information.

## 4.1.5 Historical City Directories

Historical city directories generally document the occupants of municipal addresses on a yearly basis. Typically, GHD would review historical city directories for the Phase One Study Area (250 m radius) at the National Archives of Canada in Ottawa, Ontario; however, the National Archives were closed at the date of this Phase One ESA report. Therefore, GHD did not complete its own city directory search, which represents a potential data gap in the historical documentation review.

GHD did contract Environmental Risk Information Services Ltd. (ERIS) to conduct a search of available city directory information in their databases. The limited ERIS City Directory report (due to "information inaccessible") is included in **Appendix D**. A summary of the available Phase One ESA Study Area addresses and businesses listed as provided by ERIS is noted below:

- 600 March Road (Site) was listed as Alcatel-Lucent in 2011, Alcatel Networks in 2001/02, and Newbridge Networks in 1996/1997 and 1992. Not listed in 2005/06.
- 555 March Road (west, across March Road) | Goodlife Fitness in 2011.
- 591 March Road (west, across March Road) | Royal Lepage (2011, 2005/06, 2001/02, 1996/97), Wine Craft (2011, 2001/02, 1996/97), Vet Hospital (2011, 2001/02, 1996/97, 1992), Bombay Masala (2011), Co-Operators (2011), Island Tanning (2001/02), Ashoka Indian Cuisine (2001/02), Appliance Experts (1996/97, 1992), Market Place (1996/97), Marchview Dry Cleaners (1996/97), Technology Brokers (1992), Bytes Donuts (1992).
- 603 March Road (west, across March Road) | Blair Networks in 2011. Not listed in 2005/06. Tundra Semi Conductor in 2001/02. Newbridge Networks in 1996/97 and 1992.
- 70 Hines Road (west, across March Road) | Canadian Legion in 2011 and 2005/06. PCL Constructors in 2001/02).
- 84 Hines Road (west, across March Road) | Certicom Corp (2011 and 2005/06), Irdeto Canada (2011), Sidense Corp (2011), Ashton Electronic Systems (2011), Arrow Electronics (2011), Psion Teklogix (2011), Metconnex Inc (2005/06), Colonnade Developments (2005/06), Taral Networks (2005/06), Telewatch Monitoring (2005/06), Cloakware Corp (2005/06), Sitecast Construction (2001/02).

- 88 Hines Road (west, across March Road) | Flexus Electronics (2011, 2005/06, 2001/02), Wescar Corp (2005/06), Telemus Inc. (2005/06, 2001/02), Arrow Electronics (2001/02).
- 95 Hines Road (west, across March Road and Hines Road) | Wescar Corp (2011, 2005/06, 2001/02, 1996/97), Value Added Solutions (2005/06, 2001/02), Omega Telemus (1996/97), I-Stat Canada (1996/1997).

Based on review of above city directory entries, the following PCAs and/or APECs were identified within the Phase One ESA Study Area:

- The operation of a dry cleaners at 591 March Road (Marchview Dry Cleaners; 1996/97 directory) to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as **APEC #2**.

## 4.1.6 Environmental Reports

No previous environmental reports of the Phase One Property were available or provided to GHD.

GHD did review the report titled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" by Interra Technologies Ltd, dated July 1988, which provides the results of an inventory and preliminary assessment of 177 known former industrial sites in the City of Ottawa as of July 1988. Based on GHD's review, there is no coverage of the Site provided in this report.

## 4.2 Environmental Source Information

### 4.2.1 Regulatory Review

No concerns, complaints, notices of violation, or directives of an environmental nature issued against the Site by federal, provincial, or municipal environmental regulatory agencies have been disclosed to GHD.

#### **Ministry of Environment, Conservation and Parks (MECP)**

GHD submitted a request to the Ministry of Environment, Conservation and Parks (MECP) under the Freedom of Information (FOI) and Protection of Privacy Act relating to the Site. The requested information included environmental approvals, certificates and instruments maintained by the Ministry for the Site or for properties that may directly influence the environmental condition of the Site. A response from the MECP was received on September 7, 2022, with a copy of the MECP Record Release Letter included in **Appendix E**. The letter included the following documents:

- Waste Generator information for Alcatel Canada and Nokia Canada (both listed under Generator No. ON0044812; see Section 4.2.2 for additional waste class information).
- May 18, 2001 MECP Occurrence Report regarding MECP inspection to determine Alcatel's compliance with Regulation 347. It was reported that Alcatel stored subject wastes for more than 90 days without filing a waste storage report form as required. On June 22, 2001, MECP received the waste storage report form, and no further action required.
- July 12, 2001 MECP Occurrence Report to issue emergency manifest number for waste class #263A (waste poisonous solids nos "2 cyclohexyl-4, 6-dinitrophenol).
- August 14, 2001 MECP Occurrence Report to issue emergency manifest number for waste class #265L (liquid industrial waste "glue).

No PCAs or APECs were identified based on information provided in MECP documents.

#### **City of Ottawa**

A request was submitted to the City of Ottawa under the Historic Land Use Inventory (HLUI) database search relating to the Site and Phase One Study Area. A response from the City of Ottawa was received on February 24, 2022, with a

copy of the HLUI response included in **Appendix E**. The following PCAs and/or APECs were identified by GHD associated with the Site and Phase One Study Area:

### Site

- Due to previous "Design and Manufacture of Digital Communication Products" comment under former Newbridge Networks Corp at the Site, these operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, based on the Site interviews and inspection (refer to Sections 5 and 6, respectively), any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings, therefore these operations were not identified as having the potential to contribute to an APEC at the Site.

### North

- Due to previous "Design and manufacture blast mate seismographs and watch mate wandering patient systems" comment under Instantel Inc located northeast of the Site at 362 Terry Fox Drive (approximately 125 m distance), these operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- The "Semiconductors & Related Dives (Mfrs)" and "Electronic Equipment & Supplies-Mfrs" operations of API Filtran, API Technologies Corp, and ARTAFlex Inc. located northeast of the Site at 360 Terry Fox Drive (approximately 150 m distance) are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- The operation of a gasoline service station (Shell Canada Products) at 720 March Road located to the north of the Site (approximately 225 m distance) is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.

### West

- The historic March Landfill (operated from 1963 to 1974) and associated groundwater contamination (chlorinated solvents that extend approximately 1.5 km from the former landfill) located northwest and west of the Site are identified as a PCA (#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners) in accordance with O. Reg. 153.04, and the northwest portion of the property boundary is identified as **APEC #3**.
- The operation of dry cleaners at 591 March Road (Hillary's Dry Cleaners and Miller's Quality Dry Cleaners) to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as **APEC #2**.
- The "Semiconductors & Related Devices (Mfrs)" operations of XILINX Inc located west of the Site at 50 Hines Road (approximately 150 m distance) is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely and these operations were not identified as having the potential to contribute to an APEC at the Site.

### South

- The "Electronic Equipment & Supplies-Mfrs" operations of the Sanmina Corporation on the adjacent property to the south at 500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as **APEC #1**.

## **Technical Standards and Safety Authority (TSSA)**

A request was submitted by GHD to the Technical Standards and Safety Authority (TSSA) to search their databases for any records of storage tanks at the Site and select properties within the Phase One Study Area. An email response was received from the TSSA on January 6 and 7, 2022, indicating that there were no records in their database indicating fuel storage tanks are at the Site or at subject addresses. A copy of the TSSA response is included in **Appendix E**.

### **4.2.2 Environmental Database Search**

GHD contracted Environmental Risk Information Services Ltd. (ERIS) to conduct a search of available federal, provincial, and private environmental databases within the Phase One Study Area. Based on the location of the Site, the database searches were completed to assist in the identification of environmental conditions at the Site and on adjacent/surrounding properties. The complete database search report, which also identifies limitations associated with this information, is included in **Appendix F**.

#### **Site**

The Site was identified in the ERIS report to contain the following records:

- Scott's Manufacturing Directory (SCT) | Newbridge Network Corporation, Alcatel Canada, and Alcatel-Lucent Canada Inc. were identified with the following operations:
  - Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
  - Semiconductor and Other Electronic Component Manufacturing
  - Electronic Components, Not Elsewhere Classified
  - Computer and Peripheral Equipment Manufacturing
  - Telephone Apparatus Manufacturing
- O. Reg. 347 Waste Generators Summary (GEN): Alcatel Canada and Nokia Canada (both listed under Generator No. ON0044812 between 2000 and 2021) were identified as operating under the following waste classifications:
  - 112 – Acid Waste – Heavy Metals
  - 121 – Alkaline Wastes – Heavy Metals
  - 122 – Alkaline Wastes – Other Metals
  - 145 – Paint/Pigment/Coating Residues
  - 146 – Other Specified Inorganics
  - 148 – Inorganic Laboratory Chemicals
  - 212 – Aliphatic Solvents
  - 213 – Petroleum Distillates
  - 242 – Halogenated Pesticides
  - 252 – Waste Oils & Lubricants
  - 263 – Organic Laboratory Chemicals
  - 331 – Waste Compressed Gases

Due to above noted records, the Site operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, based on the Site interviews and inspection (refer to Sections 5 and 6, respectively), any manufacturing was limited to prototype devices (not mass production) and only limited quantities of chemicals and waste were stored in secure/contained portions of the Site buildings, therefore these operations were not identified as having the potential to contribute to an APEC at the Site.

## Surrounding Properties

A summary of the pertinent findings from the ERIS database search for the surrounding properties within the Phase One Study Area is provided below.

- Sanmina Corporation on the adjacent property to the south at 500 March Road was identified in the GEN database, with operations noted as "semiconductor and other electronic component manufacturing", and Waste Generator No. ON5466737 (2016-2021) for various waste streams. In addition, two EASR records for SCI Brockville Corp at 528 March Road (same adjacent property as 500 March Road) identified a Standby Power System registered as of 8/25/2015 (fuel source not identified). The Sanmina operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as **APEC #1**.
- Miller's Quality Dry Cleaners at 591 March Road located west of the Site (across March Road) was identified in the GEN database with Waste Generator No. ON2095500 (1995-2001) for Waste Class 241 (halogenated solvents). These dry cleaning operations are identified as a PCA (#37 – Operation of Dry Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as **APEC #2**.
- Newbridge Networks Corp at 603 March Road located west of the Site (across March Road) was identified in the CA database with approved/cancelled Industrial Air certificates around 1990-1991 for Exhaust Systems No. 1-5. In addition, Tundra Semiconductor Corp was identified with operations noted as "semiconductor and other electronic component manufacturing". The operations at 603 March Road are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the northwest property boundary is identified as **APEC #4**.
- Volex Capulum Inc/Volex Canada Inc, Sciometric Instruments Inc, Filtran Limited, Emcon Emanation Control Ltd. at 360 Terry Fox Drive located northeast of the Site (approximately 150 m distance) were identified in the SCT and GEN databases with operations noted as "Semiconductors & Other Electronic Component Manufacturing", as well as other machinery, computer, device, wire/cable, and/or component manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- The operation of a gasoline service station (multiple names listed including Shell and Suncor) at 720 March Road located to the north of the Site (approximately 225 m distance) was listed in the FST, FSTH, SPL, CA, ECA, and DTNK databases, and is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- Excalibur Systems, DRS EW & Network Systems, and OneChip Photonics at 50 Hines Road located west of the Site (approximately 150 m distance) was identified in the SCT database with operations noted as "Semiconductors & Other Electronic Component Manufacturing" and/or other machinery and instruments manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely, and these operations were not identified as having the potential to contribute to an APEC at the Site.
- Sidense Corp at 84 Hines Road located west of the Site (approximately 150 m distance) was identified in the SCT database with operations noted as "Semiconductors & Other Electronic Component Manufacturing". In addition, Telewatch Monitoring Services was identified with operations noted as "Computer and Peripheral Equipment Manufacturing". These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely, and these operations were not identified as having the potential to contribute to an APEC at the Site.
- Flexus Electronics, Telemus Inc., 954050 Ontario Inc., and Ultra Electronics at 88 Hines Drive located west of the Site (approximately 150 m distance) were identified in the SCT and/or GEN databases with operations noted as

"Semiconductors & Other Electronic Component Manufacturing", as well as other machinery and/or instrument manufacturing. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and office building structure observed during the Site inspection, mass production is not likely, and these operations were not identified as having the potential to contribute to an APEC at the Site.

- Elcombe Systems Limited, Smart Technologies Inc., Sciometric Instruments Inc., and Pleora Technologies Inc. at 359 Terry Fox Drive located east of the Site (approximately 150 m distance) were identified in the SCT and/or GEN database with operations noted as manufacturing of communication equipment, computer, semiconductor, device and/or other electrical component manufacturing. In addition, Newbridge Networks Corporation was listed as having Certificates of Approval (CA) for industrial air activities, as well as listed under the GEN database for various waste solvents. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- C-MAC Electronic System at 425 Legget Drive located southeast of the Site (approximately 125 m distance) was identified in the GEN database with operations noted as "Computer & Peripheral Equipment Mfg", as well as listed as handling various waste solvents, chemical, and oils. Soletron EMS Canada was identified in the SCT database with operations noted as "Semiconductor and Other Electronic Component Manufacturing". These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- Lockheed Canada Inc. and Lockheed Martin Canada Inc. at 3001 Solandt Road located south of the Site (approximately 150 m distance) were identified in the CA and ECA databases with approved/cancelled industrial air permits for paint spray booths and ovens. Under the SCT database Lockheed Martin Canada Inc. was listed with operations noted as "Semiconductor and Other Electronic Component Manufacturing" and other instrument manufacturing, as well as listed with "Aerospace Product and Parts Manufacturing" operations and having various waste solvent, paints, chemicals, and oils under the GEN database. These operations are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04. However, due to distance from the Site and groundwater flow direction to the south and/or east, these operations were not identified as having the potential to contribute to an APEC at the Site.
- A standby emergency diesel generator at 495 March Road located south of the Site (approximately 200 m distance) was listed in the CA database and is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, due to distance from the Site this operation was not identified as having the potential to contribute to an APEC at the Site.
- A spill of 30 litres of engine oil was reported in the SPL database at the intersection of Terry Fox and March Road (adjacent to the northwest of the Site) on September 1, 2010. Based on the quantity of spilled oil, it is unlikely this release will have adversely affected the Site.
- A spill of unknown quantity of diesel fuel was reported in the SPL and HINC databases at 515 Legget Drive (east of the Site, across Legget Drive) on November 13, 2008. The reason for the spill was unknown, but was cleaned with environmental impact not anticipated. It is unlikely this release will have adversely affected the Site.
- A spill of 150-250 litres of diesel fuel was reported in the SPL database at 70 Hines Road (Legion Branch 638; west of the Site, across March Road) on August 21, 2019. Rogers Communications was listed as client, with diesel released to ground due to cracked line (material failure – poor design/substandard material). Although clean-up not explicitly mentioned, it is unlikely this release will have adversely affected the Site.

## 4.3 Physical Setting

### 4.3.1 Aerial Photographs

Aerial photographs were reviewed to generally document the development of the Site and properties in the vicinity of the Site, and to identify the existence of any significant areas of actual or potential environmental concern at the Site. Aerial photographs of the Site and surrounding area reviewed by GHD included the years 1934, 1945, 1952, 1960, 1976, 1985, 1991, 1999, 2009, and 2019 (source: National Air Photo Library (NAPL); City of Ottawa geoOttawa website). Aerial photographs are provided in **Appendix G**.

Based on the history of the Site and the quantity and quality of the aerial imagery available for review, the selected time period between aerial photographs was determined to be suitable for the purposes of this Phase One ESA.

Year	Site	Neighbouring Properties
1930	The Site appears to be vacant (no buildings) or used for agricultural purposes.	March Road is located west of the Site. Neighbouring properties appear to either be vacant (no buildings) or used for agricultural purposes or occupied by residential dwellings.
1945, 1952, 1960, 1976, 1985	No significant changes in land use had occurred since 1930. Some surface disturbances were noted initially in 1976 photo (unknown purpose and unchanged as of 1985 photo).	No significant changes had occurred on the neighbouring properties since 1930, with the exception of the following: <ul style="list-style-type: none"> <li>– New residential structure observed as of 1952 on adjacent property to the west (center).</li> <li>– Trails and new structure(s) observed in wooded area as of 1960 on adjacent property to the west (south).</li> <li>– New commercial structure observed as of 1976 on adjacent property to the west (north); expanded structure and parking areas observed on 1985 photo.</li> <li>– Hines Road to the west observed as of 1985 photo.</li> </ul>
1991	New building structures (existing office buildings), driveways, and parking lots have been constructed on the northern half of the Site. Southern portion remains vacant.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– Terry Fox Drive (north) has been constructed, and Legget Drive (east) and McKinley Drive (north) are being constructed.</li> <li>– Two new commercial buildings with parking lots constructed to the northeast of the Site (one north and one south of Terry Fox Drive).</li> <li>– One new commercial building and parking lots constructed to the south of the Site.</li> <li>– Four new commercial buildings with parking lots constructed to the west of the Site across March Road.</li> <li>– A new housing development constructed to the northwest of the Site across intersection of March Road and Terry Fox Drive.</li> </ul>
1999	New building structures (existing office buildings) have been constructed where 1991 parking lots were observed in the northern half of the Site, with additional driveways and parking observed. Large parking lots have been constructed on the southern half of the Site.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– New commercial buildings and parking have been constructed to the north of the Site across Terry Fox drive, as well as new residential development on east side of McKinley Drive.</li> <li>– A new commercial building with parking lots constructed to the northeast of the Site (north of Terry Fox Drive).</li> <li>– Two new office towers (linked by lower level building) with parking lots, as well signs of further construction, were observed to the east of the Site (across Legget Drive).</li> <li>– One new commercial building with parking lots constructed to the southeast of the Site (across Legget Drive).</li> <li>– Three new commercial buildings with parking lots constructed to the west of the Site across March Road.</li> </ul>

Year	Site	Neighbouring Properties
2009	No significant changes have occurred with the property land use since 1999.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– Two new office towers, the Brookstreet Hotel with golf course and parking structure, and associated parking lots have been constructed to the east of the Site (across Legget Drive).</li> <li>– Three new commercial buildings with parking lots constructed west and southwest of the Site (across March Road).</li> <li>– A gas station has been constructed north of the Site along March Road.</li> </ul>
2019	No significant changes have occurred with the property land use since 2009.	Significant changes at neighboring properties have occurred as follows: <ul style="list-style-type: none"> <li>– One new commercial structure with parking lots constructed on the adjacent property to the east.</li> </ul>

Based on GHD's review of the aerial photographs, the following PCAs and/or APECs were identified:

- The operation of a gasoline station along March Road located to the north of the Site (approximately 225 m distance) is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04. However, due to distance from the Site and groundwater flow direction to the south and/or east, this operation was not identified as having the potential to contribute to an APEC at the Site.

No other PCAs or APECs were identified based on review of the aerial photographs.

### 4.3.2 Topography, Hydrology, and Geology

A Topographic map was reviewed from the Ontario Ministry of Natural Resources and Forestry. The mapping shows the topography at the Site and in the Phase One Study Area as relatively flat and/or sloping east/south towards creeks associated with Shirley's Brook. The Ottawa River is located approximately 3.2 km northeast from the Site limits. Generally, stormwater in the Phase One Study Area is anticipated to drain to municipal catch basins and by infiltration.

Based on GHD's "Preliminary Geotechnical and Hydrogeological Investigation" report (dated March 11, 2022; currently Draft), a Site investigation was carried out between January 28 and February 6, 2022 to provide understanding of the soil/bedrock stratigraphy and groundwater conditions at the Site. Ten boreholes were advanced at the Site to auger refusal and/or into bedrock, with four monitoring wells installed/sealed in bedrock and one monitoring well installed in the overburden soil. A summary of applicable subsurface conditions is noted below:

- Topsoil (organic material with rootlets), and asphalt surfaces with granular base/subbase were observed from the surface to approximately 0.9 metres below ground surface (mBGS). Silty clay to clay deposit was encountered below topsoil or subbase material.
- Auger refusal (presumed bedrock) was encountered at depths ranging from 0.4 to 3.6 mBGS in all boreholes.
- Groundwater was not encountered in the overburden stratigraphy.
- Groundwater static water elevations in the bedrock stratigraphy ranged from 75.84 to 77.24 metres above mean sea level (mAMSL) on February 9, 2022. The estimated groundwater flow direction is likely to the south and/or east towards Shirley's Brook (actual direction could not be confirmed based on well locations and dry well conditions). It should be noted that the position of the groundwater table is subject to seasonal fluctuations and is responsive to precipitation and snowmelt events.

### 4.3.3 Fill Materials

Based on review of aerial photographs, observations made by GHD during the Site inspection, and subsurface conditions documented in the 2022 GHD Geotechnical and Hydrogeological Investigation Report (refer to Section 4.3.2), fill material at the Phase One Property is limited to granular material associated with the construction of the Site buildings and parking lot.



## 4.3.4 Water Bodies and Areas of Natural Significance

There are no water bodies or water courses located on the Site. Surface water ponds are located to the east of the Site (associated with a golf course), and portions of Shirley's Brook are observed in the southern portion and east-northeast boundaries of the Phase One Study Area. The closest significant surface water body is the Ottawa River located approximately 3.2 km northeast of the Site.

In accordance with O. Reg. 153/04, an "area of natural significance" is defined as any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.
3. A wetland identified by the Ministry of Natural Resources and Forestry as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. An area identified by the Ministry of Natural Resources and Forestry as significant habitat of a threatened or endangered species.
7. An area which is a habitat of a species that is classified under Section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. An area set apart as a wilderness area under the Wilderness Areas Act.

A summary of GHD's review is provided below:

1. The Site is not an area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. The Site is not considered to be an area of natural and scientific interest (life science or earth science) as identified by the Ministry of Natural Resources as having provincial significance.
3. The Site is not a wetland identified by the Ministry of Natural Resources and Forestry as having provincial significance.
4. The Site is not designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. The Site is not an area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. The Site is not an area identified by the Ministry of Natural Resources and Forestry as significant habitat of a threatened or endangered species. GHD conducted a search to determine if threatened or endangered species are present within or adjacent to the Site. According to the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), Species at Risk in Ontario (SARO), and the Ontario Ministry of Natural Resources and Forestry (MNRF), no species were listed as threatened and/or endangered within the Phase One Study Area.
7. The Site is not an area which is a habitat of a species that is classified under Section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. The Site is not located within an area designated as part of the Oak Ridges Moraine natural core area or natural linkage area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.

9. The Site is not an area set apart as a wilderness area under the Wilderness Areas Act.

Based on the above information and the definition of area of natural significance provided in O. Reg. 153/04, the Site is not considered to be an area of natural significance.

### 4.3.5 Well Records

A search of the MECP Water Well Information System database was conducted as a component of the ERIS database search outlined in Section 4.2.2. No monitoring wells were registered on the Site. Eight wells were registered in the surrounding properties including:

- Four domestic water supply well and one industrial supply well installed to the west of the Site (across March Road) between 1952 and 1969.
- One test hole installed to the south of the Site (across March Road) in 2010.
- One test hole installed to the west of the Site (across March Road) in 2014.
- One domestic water supply well installed to the south of the Site (3001 Solandt) in 2017.

The Phase One Property is currently located in an area municipally serviced with potable water. The current status of these wells is unknown.

### 4.3.6 Site Operating Records

No Site operating records were not provided to GHD as part of the Phase One ESA.

## 5. Interviews

As part of the Phase One ESA site inspection, GHD interviewed Mr. Wayne Carroll (Building Operations Manager) on January 27, 2022 (Site Representative). Mr. Carroll has been familiar with the Site and associated Site operations for approximately 30 years.

The interview completed with the Site Representative was focused on the historical and current use of the Phase One Property, and the topics listed in Sections 13 and 14 of Schedule D of O. Reg. 153/04. Relevant information provided to GHD by those interviewed has been summarized in applicable sections of Section 6 – Site Reconnaissance.

## 6. Site Reconnaissance

### 6.1 General Requirements

On January 27, 2022, Mr. Joseph Drader of GHD conducted a Site reconnaissance visit of the Phase One Property between 9:00 a.m. and 2:00 p.m. Weather conditions were overcast with an approximate temperature of -20 to -10°C. The Site ground surfaces were covered in snow at the time of Site visit which prevented direct observation of the ground surface.

GHD was accompanied by Mr. Wayne Carroll during the Site visit (refer to Section 5).

Photographs from the Site visit are included in **Appendix H**.

## 6.2 Specific Observations at Phase One Property

### 6.2.1 Property and Building

The Phase One Property is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Phase One Property is approximately 10.39 ha (25.67 acres) in size and is irregular in shape. The Site is currently occupied with multiple interlinked building/tower structures (approximately 50,000 m<sup>2</sup> of office and computer lab space) on the northern portion of the Site, and ground-level car parking (approximately 1,900 surface parking stalls) on the southern portion of the Site, along with access roads, other smaller parking lot areas, basketball court, and landscaped areas.

Details regarding each building on the Phase One Property is provided below:

- Corporate Building | constructed in 1987 with renovations/additions in 1996; three stories with small basement area.
- Tower 1 Building | constructed in 1989-91; six stories.
- Link 1 Building and Main Lobby Building | constructed in 1994; three stories.
- Tower 2 Building | constructed in 1994; six stories with basement garage level.
- Link 2 Building | constructed in 1997; three stories.
- Tower 3 Building | constructed in 1997; ten stories.
- Hydro Vault and Diesel Generator buildings in the northeast portion of the Property (one story).

The buildings are typically of concrete construction with brick and glass exterior façade. Interior finishes are typically constructed of carpet/tile/concrete flooring, drywall walls and ceilings, and drop acoustic ceiling tiles. The building foundations are typically on-grade concrete slabs, with basement foundations in Front Main Lobby.

### 6.2.2 Current Site Operations

The Phase One Property is currently used for office and research/development/testing (computer/server labs) activities. Other ancillary operations conducted at the Site include:

- Kitchens and cafeterias, including former Tim Hortons operations.
- Maintenance and loading areas.
- Penthouse roof structures for air handling equipment, elevator machine rooms, and other building operations.
- Three Hydro Ottawa transformer rooms/areas and various electrical rooms throughout the buildings.

Prior to the Nokia owning/operating the Phase One Property, the following companies conducted similar operations/activities: Newbridge Networks; Alcatel; and Alcatel-Lucent.

### 6.2.3 Historical Site Operations

Based on a review of the historical records for the Site, the Site was historically vacant or utilized for agricultural purposes.

### 6.2.4 Utility Services

The Site is serviced with electricity provided by Hydro Ottawa, including three Hydro Ottawa rooms/vaults for main transformers (owned by Nokia). The buildings are heated by electric forced air, radiant, and baseboard heaters.

The Site is serviced with natural gas provided by Enbridge for humidification units, kitchen appliances, and water heaters.

The Site is currently serviced with municipal water, sanitary sewer, and storm sewer services. A stormwater retention pond is located to the east of the Site (off-Site at golf course) that does capture Site storm water via catchbasins in parking lot and driveways, as well as from other surrounding properties.

The Site Representative was not aware of any historical utility and/or water services. GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site.

## 6.2.5 Underground Storage Tanks (USTs)

No underground storage tanks or evidence of previously existing USTs were observed by GHD at the time of the Site inspection. The Site Representative was not aware of any current or historic USTs.

## 6.2.6 Above Ground Storage Tanks (ASTs)

As indicated by the Site Representative and as observed by GHD during the Site inspection, the following ASTs were identified at the Site:

- Exterior 4,540 litre diesel tank located next to the generator outbuilding in the northeast portion of the Site. The AST is double-walled on concrete slab (no containment walls), but due to snow GHD could not make observations for signs of releases and/or surface staining. According to the Site Representative, this AST was installed in 2011 to replace a similar AST. The generator was to be initially fuelled with a flat tank located below the generator in the outbuilding, but was never reportedly used and the flat tank was left in place. GHD observed signs of drips/staining below the generator (on top of the flat tank) during the Site inspection.
- A 2,220 litre diesel tank located inside Hydro Vault and Generator building in the northeast portion of the Site. The AST is double-walled on concrete slab. No evidence of spills or releases was observed by GHD on or under the AST. According to the Site Representative, this AST was installed in approximately 2003 (manufactured date) to replace a smaller AST.
- A 935 litre diesel tank (ground floor) and 454 litre diesel day tank (penthouse next to generator) are located inside Tower 3. Both tanks are located in concrete secondary containment. No evidence of spills or releases was observed by GHD on or under the ASTs. According to the Site Representative, these ASTs were installed in 2011 to replace similar ASTs.

The Site Representative was not aware of any other current or historic ASTs, and were not aware of any spills/releases associated with current/historic ASTs or generators. No evidence of previous ASTs were observed by GHD during the Site inspection.

Although no reported spills were identified by the Site Representative, due to snow covered exterior containment area and evidence of drips/staining from generator within the outbuilding (on top of flat tank), the operation of the exterior 4,540 litre AST is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04, and the fenced in area containing the generator and AST is identified as **APEC #5**.

## 6.2.7 Floor Drains, Pits, and Sumps

At the time of the Site inspection, GHD observed the following floor drains, pits, or sumps at the Site:

- Elevator sump/drain pits and ramp trench drains located in basement of Tower 2.
- Floor drains in Tower 3 loading area.
- Floor drains in some fire system rooms and next to hot water heaters.
- Floor drains in some bathrooms.

Based on GHD observations during the Site inspection, limited to no chemical storage is kept near the drains/sumps, and no evidence of staining was observed near the drains/sumps.

## 6.2.8 Wastewater/Sewers

According to the Site Representative and based on GHD's observations, wastewater generated at the Site discharges to the municipal sanitary sewer system.

## 6.2.9 Enhanced Investigation Property

In accordance with O. Reg. 153/04, Part VIII, Clause 32 (1) b, the Phase One Property is considered to be an Enhanced Investigation Property if it is currently used or has ever been used in whole or in part for industrial use, or commercial uses including a garage, a bulk liquid dispensing facility such as a gas station, or for the operation of dry cleaning equipment. Based on the current and historical use of the Site, the Site is not considered an Enhanced Property.

## 6.2.10 Asbestos-Containing Materials (ACM)

The presence of potential ACM at the Site was investigated during the Phase One ESA through discussions with the Site Representative and visual observations made by GHD. The Site Representative was not aware of any ACM surveys having been completed on any of the buildings to date since first constructed in 1987. Based on observation made by GHD, potential building materials that may contain asbestos include vinyl floor tiles, acoustic ceiling tiles, ceramic tile mastic, drywall compound, insulation material, roofing materials, and/or window/door caulking. Hidden building materials also have the potential to contain asbestos. Samples of potential ACM were not collected as part of this Phase One ESA, but are recommended prior to any demolition and/or renovation activities.

## 6.2.11 Polychlorinated Biphenyls (PCBs)

The presence of potential PCB-containing equipment at the Site was investigated during the Phase One ESA through discussions with the Site Representative and visual observations made by GHD. The Site Representative was not aware of any PCB-containing equipment or on-Site storage of PCBs or PCB wastes. GHD observed fluorescent lights throughout the Site buildings, but the light ballasts were not checked as part of the Phase One ESA to determine if they are PCB-containing. Transformers were also observed throughout the Site buildings, but were all dry-type transformers. No other evidence of on-Site PCBs or on-Site PCB waste storage was observed by GHD at the time of the Site inspection.

## 6.2.12 Solid Waste/Recyclable Materials

Based on discussions with the Site Representatives and GHD observations during the Site inspection, the following solid wastes or recyclables are currently generated at the Site:

- General Refuse and Recycled Materials (plastics, cardboard, etc.) | Bins are located in Corporate Building, Tower 2, and outside Tower 3 (refuse only); Tomlinson Environmental Services (Tomlinson) collects.
- Scrap metal and e-waste including but not limited to electronics, batteries, fluorescent bulbs | Bins located in Tower 2; EDI collects.
- Pallets | placed outside Tower 1; collected by employees or Tomlinson.

At the time of the Site inspection, no visual evidence of on-Site waste disposal was observed by GHD, and the Site Representative was not aware of any current or historic on-Site waste disposal activities.

## 6.2.13 Chemical and Raw Material use and Storage

Based on discussions with the Site Representative and GHD's visual observations during the Site inspection, chemicals used and stored at the Site are limited to the following:

- Ethylene Glycol and/or Propylene Glycol (reservoir tanks, drums, and pails) used and stored near air handling equipment in penthouse and near inside server/testing rooms as part of exterior heat exchanger units.
- Isopropyl alcohol (small containers) for cleaning equipment in server/testing rooms.
- Paints (various sized containers, but less than 20 litres) in maintenance rooms or in areas being renovated.
- Various lubricants (small containers, less than 4 litres) located in maintenance areas and elevator machine rooms.
- General janitorial cleaners located in kitchens, bathrooms, and storage/maintenance areas.

No evidence of staining or spillage was observed by GHD at the location of the containers or at the Site.

## 6.2.14 Subject Waste/Hazardous Waste

Based on the findings of the ERIS database search outlined in Section 4.2.2, Alcatel Canada, and Nokia Canada (both listed under Generator No. ON0044812 between 2000 and 2021) were identified as operating under the following waste classifications at the Site:

- 112 – Acid Waste – Heavy Metals.
- 121 – Alkaline Wastes – Heavy Metals.
- 122 – Alkaline Wastes – Other Metals.
- 145 – Paint/Pigment/Coating Residues.
- 146 – Other Specified Inorganics.
- 148 – Inorganic Laboratory Chemicals.
- 212 – Aliphatic Solvents.
- 213 – Petroleum Distillates.
- 242 – Halogenated Pesticides.
- 252 – Waste Oils & Lubricants.
- 263 – Organic Laboratory Chemicals.
- 331 – Waste Compressed Gases.

According to the Site Representative and based on GHD's observation during the Site inspection, only limited subject waste is generated/stored in secure/contained portions of the Site buildings. Kitchen grease traps are cleaned quarterly and collected in an oil bin located in Corporate Building waste room. No other specific subject waste storage were observed during the Site inspection.

## 6.2.15 Chemical Spills/Releases

At the time of the Site inspection, GHD did not observe any visual evidence of chemical spills or releases at the Site. A review of the Ontario Spills database included in the ERIS report (refer to Section 4.2.2) did not identify any spills associated with the Site.

## 6.2.16 Lead-Based Paint

The amount of lead in interior and exterior paint has been regulated since 1976 through Health Canada's Hazardous Products Act. Based on the age of the buildings, it is unlikely that building materials were coated with lead-based paint; however, there is potential that older paint and/or building materials were used during construction. Samples of potential lead-based paint were not collected as part of this Phase One ESA, but are recommended prior to any demolition and/or renovation activities.

## 6.2.17 Chlorofluorocarbons

Based on observations made by GHD during the Site inspection, equipment potentially containing chlorofluorocarbons (CFCs) is limited to operation of air handling equipment for the building, and heat exchanger units for server/testing rooms.

## 6.2.18 Air Emissions

Based on GHD observations during Site inspection, air emission are limited to venting of diesel ASTs and natural gas appliances. The Site Representative was not aware of any other active air emission sources currently present at the Site.

## 6.2.19 Ionizing Radiation

According to the Site Representative and based on GHD observations during the Site inspection, no sources of ionizing radiation were observed by GHD at the Site.

# 6.3 Written Description of Investigation

The Phase One ESA included a records review, interviews with the Site Representative, a Site reconnaissance, and a review and evaluation of the information obtained during the Phase One ESA. The Site reconnaissance included a walk-through of the Property to confirm the current Site conditions and identify any current land uses, which may have or may cause actual and/or potential environmental impacts to the Site. Adjoining and neighbouring properties were observed from the Site and public access ways.

The findings from the assessment carried out pursuant to Sections 13 and 14 of Schedule D of O. Reg. 153/04, as amended, were previously discussed in Section 6.

# 7. Review and Evaluation of Information

## 7.1 Current and Past Uses (Site)

A summary of the current and past uses of the Site is provided below.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1930 to 1987	Unknown	Vacant (no buildings) or Agricultural	Vacant (no buildings) or Agricultural	Suspected to have been undeveloped and/or used for agricultural purposes (based on aerial photographs).
1987 to Present	Newbridge Networks Corporation (1987-2002) Alcatel Canada Inc. (2002-2013) Alcatel-Lucent Canada Inc. (2013-2016) Nokia Canada Inc. (2016-Present; Nokia acquires Alcatel-Lucent)	Office and Computer Labs	Commercial and/or Industrial	Based on a review of the 1991, 1999, 2009, and 2019 aerial photographs, the Site was developed with office buildings and a large parking lot.

## 7.2 Potentially Contaminating Activities

The MECP provides a list of PCAs in Schedule D of O. Reg. 153/04, under the Environmental Protection Act. The following PCAs have been identified to be on, in, or under the Phase One Property, or located within the Phase One Study Area *and* have the potential to contribute to an APEC.

Location and Description	Potentially Contaminating Activity (PCA)
Site – Exterior diesel AST and generator	#28 - Gasoline and Associated Products Storage in Fixed Tanks – APEC #5
Adjacent Property to the South – Sanmina Corporation (electronics manufacturing) at 500 March Road	#19 – Electronic and Computer Equipment Manufacturing – APEC #1
Property to the west (beyond March Road) – Marchview Dry Cleaners, Hillary's Dry Cleaners, and Miller's Quality Dry Cleaners at 591 March Road	#37 – Operation of Dry Cleaning Equipment – APEC #2
Property to the west (beyond March Road) – Newbridge Networks and Tundra Semiconductor (electronics manufacturing) at 603 March Road	#19 – Electronic and Computer Equipment Manufacturing – APEC #4
Property to the Northwest and West (prior to and potentially up to March Road – Historic March Landfill with associated groundwater contamination plume extending 1.5 km from the former landfill	#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners – APEC #3

The location of the above-noted PCAs on the Site and adjacent to the Site are shown on **Figure 3**. APEC #'s provided in above table are also shown on **Figure 3** and referenced in Section 7.3.

In addition to the above noted PCAs associated with Site and adjacent properties, the following PCAs were also identified within the Phase One Study Area, but based on review of available documents do not have the potential to contribute to an APEC, typically due to distance from the Site and/or groundwater flow direction.

Location and Description	Potentially Contaminating Activity (PCA)
Site – Newbridge Networks (former owners/operators)	#19 – Electronic and Computer Equipment Manufacturing; No APEC based on the Site interviews and inspection; any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings
Northeast of Site – InstanTEL (equipment-electronic manufacturer) at 362 Terry Fox Drive (approx. 125 m from Site)	#19 – Electronic and Computer Equipment Manufacturing



Location and Description	Potentially Contaminating Activity (PCA)
Northeast of Site – Various equipment-electronic manufacturers (API Filtran, API Technologies, ARTAFlex, Volex, SCI, Emcon Emanation) at 360 Terry Fox Drive (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
East of Site – Various equipment-electronic manufacturers (Elcombe Systems, Smart Technologies, SCI, Pleora Technologies) at 359 Terry Fox Drive (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
Southeast of Site – C-MAC Electronic System and Solectron EMS (equipment-electronic manufacturers) at 425 Legget Drive (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
South of Site – Lockheed Canada and Lockheed Martin Canada (equipment-electronic manufacturers) at 3001 Solandt Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
West of Site – Various equipment-electronic manufacturers (XILINX, Excalibur Systems, DRS EW & Network Systems, OneChip Photonics) at 50 Hines Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
West of Site – Sidense (equipment-electronics manufacturer) at 84 Hines Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
West of Site – Various equipment-electronic manufacturers (Flexus, Telemus, Ultra Electronics) at 88 Hines Road (approx. 150 m from Site)	#19 – Electronic and Computer Equipment Manufacturing
South of the Site – standby emergency diesel generator at 495 March Road (approx. 200 m from Site)	#28 - Gasoline and Associated Products Storage in Fixed Tanks
North of the Site – Shell Gas Station at 720 March Road (approx. 225 m from Site)	#28 - Gasoline and Associated Products Storage in Fixed Tanks

The location of the above-noted PCAs within the Phase One Study Area are shown on **Figure 3**.

## 7.3 Areas of Potential Environmental Concern

The following areas of actual or potential environmental concern have been identified by the Phase One ESA site reconnaissance and records review and are summarized in the table below. This table is used to list and describe each potentially contaminating activity at the Property and each potentially contaminating activity in the Phase One study area that may be contributing to an APEC at the Property.

Area of Potential Environmental Concern <sup>1</sup>	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity <sup>2</sup>	Location of PCA (on-site or off-site)	Contaminants of Potential Concern <sup>3</sup>	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC #1 – Adjacent Property to the South – Electronics manufacturing at 500 March Road	Southern Boundary of the Site	#19 – Electronic and Computer Equipment Manufacturing	Off-Site	Metal/Inorganics, VOCs, PAHs, and PHCs	Groundwater
APEC #2 – Property to the west (beyond March Road) – Dry Cleaners at 591 March Road	Northwest Boundary of the Site	#37 – Operation of Dry Cleaning Equipment	Off-Site	VOCs	Groundwater
APEC #3 – Property to the Northwest and West – Historic March Landfill with associated groundwater contamination plume	Northwest Boundary of the Site	#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners	Off-Site	VOCs	Groundwater
APEC #4 – Property to the west (beyond March Road) – Electronics manufacturing at 603 March Road	Northwest Boundary of the Site	#19 – Electronic and Computer Equipment Manufacturing	Off-Site	Metal/Inorganics, VOCs, PAHs, and PHCs	Groundwater
APEC #5 – Site – Exterior diesel AST and generator	Site – Fenced-in area surrounding generator and AST	#28 - Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs and BTEX	Soil and Groundwater

Notes:

- 1 Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through:
  - (a) Identification of past or present uses on, in or under the Phase One property.
  - (b) Identification of potentially contaminating activity.
- 2 Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area.
- 3 When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for Analytical Methods in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011.
  - PAHs: Polycyclic Aromatic Hydrocarbons
  - PHCs: Petroleum Hydrocarbon (Fractions F1-F4)
  - VOCs: Volatile Organic Compounds
  - BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Where GHD identified significant uncertainty, or a lack of information regarding the potential for a PCA to contribute to an APEC at the Site, GHD conservatively assumed that an APEC may be present, and included the APEC in this report.

## 7.4 Phase One Conceptual Site Model

The Phase One Property is located at 600 March Road in Kanata (Ottawa), Ontario, east of March Road, south of Terry Fox Drive, and west of Legget Drive. A Site Location Map and a Site Plan are provided on **Figure 1** and

**Figure 2**, respectively. The Site is legally described as Part of Block 1 and Block 6 under Registered Plan 4M-642 and Part of Lots 8 and 9 under Concession 4, Geographic Township of March, City of Ottawa.

The Phase One Property is approximately 10.39 ha (25.67 acres) in size, and includes multiple interlinked building/tower structures (approximately 50,000 m<sup>2</sup> of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads, and landscaped areas.

The Phase One Property is currently owned by Nokia Canada Inc. and is used for office and research/development activities. Prior to the Nokia owning/operating the Phase One Property, the following companies conducted similar operations/activities: Newbridge Networks; Alcatel; and Alcatel-Lucent. Prior to the current development, the Phase One Property was vacant and/or used for agricultural purposes.

The general topography at the Site and in the Phase One Study Area is relatively flat and/or sloping east/south towards creeks associated with Shirley's Brook. There are no water bodies or water courses located on the Site. Surface water ponds are located to the east of the Site (associated with a golf course), and portions of Shirley's Brook are observed in the southern portion and east-northeast boundaries of the Phase One Study Area. The Ottawa River is located approximately 3.2 km northeast from the Site limits.

Based on GHD's "Preliminary Geotechnical and Hydrogeological Investigation" report (dated March 11, 2022; currently Draft), a Site investigation was carried out between January 28 and February 6, 2022 to provide understanding of the soil/bedrock stratigraphy and groundwater conditions at the Site. Ten boreholes were advanced at the Site to auger refusal and/or into bedrock, with four monitoring wells installed/sealed in bedrock and one monitoring well installed in the overburden soil. A summary of applicable subsurface conditions is noted below:

- Topsoil (organic material with rootlets), and asphalt surfaces with granular base/subbase were observed from the surface to approximately 0.9 mBGS. Silty clay to clay deposit was encountered below topsoil or subbase material.
- Auger refusal (presumed bedrock) was encountered at depths ranging from 0.4 to 3.6 mBGS in all boreholes.
- Groundwater was not encountered in the overburden stratigraphy.
- Groundwater static water elevations in the bedrock stratigraphy ranged from 75.84 to 77.24 mAMSL on February 9, 2022. The estimated groundwater flow direction is likely to the south and/or east towards Shirley's Brook (actual direction could not be confirmed based on well locations and dry well conditions). It should be noted that the groundwater table elevation is subject to seasonal fluctuations and is responsive to precipitation and snowmelt events.

Based on the information reviewed and the definition of area of natural significance provided in O. Reg. 153/04, the Site is not considered an area of natural significance.

The Site is serviced with electricity provided by Hydro Ottawa, including three Hydro Ottawa rooms/vaults for main transformers (owned by Nokia). The Site is serviced with natural gas provided by Enbridge for various building operations/appliances. The Site is currently serviced with municipal water, sanitary sewer, and storm sewer services. GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site.

The Phase One ESA Conceptual Site Model, including the location of PCAs and APECs, is depicted on **Figure 3**. Based on the results of the Phase One ESA, the contaminants of concern were identified as metals/inorganics, PAHs, PHCs, VOCs, and/or BTEX.

## 8. Conclusions

Based on the results of the Phase One ESA, including the Site inspection, information provided by Site representatives and regulatory agencies, documents reviewed, and the review of Site history, the following APECs were identified to be associated with the Site.

1. **Adjacent Manufacturing Operations** | Based on review of historical documentation and Site inspection, the electronic manufacturing operations of the Sanmina Corporation on the adjacent property to the south at 500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as **APEC #1**.
2. **Surrounding Dry Cleaning Operations** | The operation of various dry cleaners at 591 March Road to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as **APEC #2**.
3. **Surrounding Historic Landfill** | The historic March Landfill (operated from 1963 to 1974) and associated groundwater contamination (chlorinated solvents that extend approximately 1.5 km from the former landfill) located northwest and west of the Site are identified as a PCA (#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners) in accordance with O. Reg. 153.04, and the northwest portion of the property boundary is identified as **APEC #3**.
4. **Surrounding Manufacturing Operations** | Newbridge Networks Corp at 603 March Road located west of the Site (across March Road) was identified in the CA database with approved/cancelled Industrial Air certificates around 1990-1991 for Exhaust Systems No. 1-5. In addition, Tundra Semiconductor Corp was identified with operations noted as "semiconductor and other electronic component manufacturing". The operations at 603 March Road are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the northwest property boundary is identified as **APEC #4**.
5. **Site Diesel Generator/Tank Operations** | Although no reported spills were identified by the Site Representative, due to snow covered exterior containment area and evidence of drips/staining from generator within the outbuilding (on top of flat tank), the operation of the exterior 4,540 litre AST is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04, and the fenced in area containing the generator and AST is identified as **APEC #5**.

## 8.1 Requirement for Phase Two ESA Before RSC Can Be Submitted

Based on the information obtained in completing this Phase One ESA, it is our opinion that a Phase Two ESA is required to characterize soil and groundwater quality at the Phase One Property before a RSC can be filed with the MECP. The Phase Two ESA should evaluate the presence or absence of soil or groundwater impact to the Site from all identified APECs.

## 8.2 Signatures

Joseph Drader, Qualified Persons for Environmental Site Assessment under O. Reg. 153/04, confirms the carrying out of this Phase One ESA and the findings and conclusions of this report.

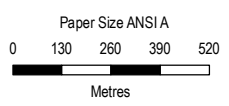
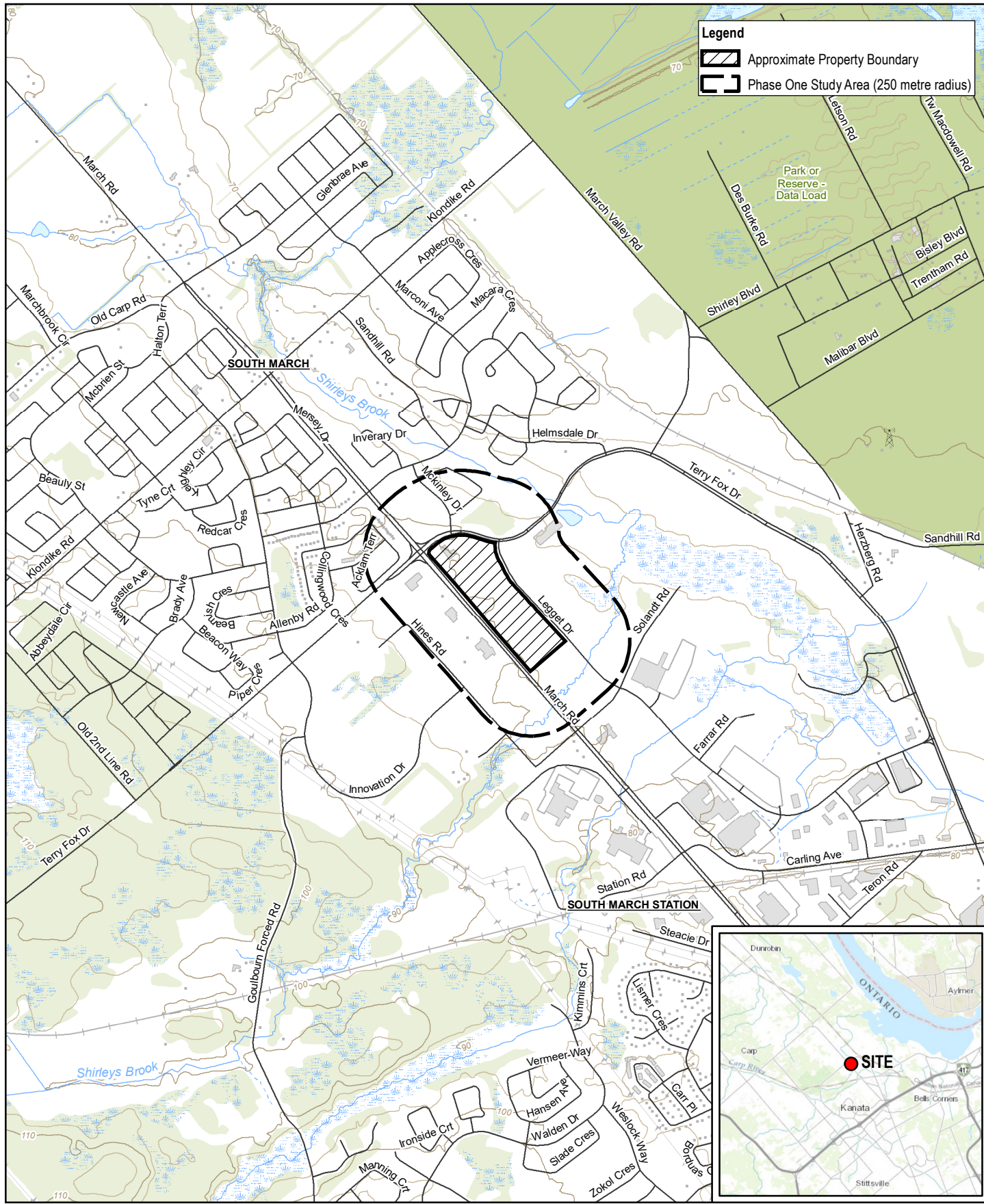
## 9. References

Ministry of Environment. Environmental Protection Act, Ontario Regulation 153/04, Records of Site Condition, Part XV.I of the Act.

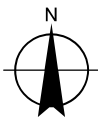
Intra Technologies Ltd. Mapping and Assessment of Former Industrial Sites, City of Ottawa, July 1988.

**Legend**

- Approximate Property Boundary
- Phase One Study Area (250 metre radius)



Map Projection: Transverse Mercator  
Horizontal Datum: North American 1983  
Grid: NAD 1983 UTM Zone 18N



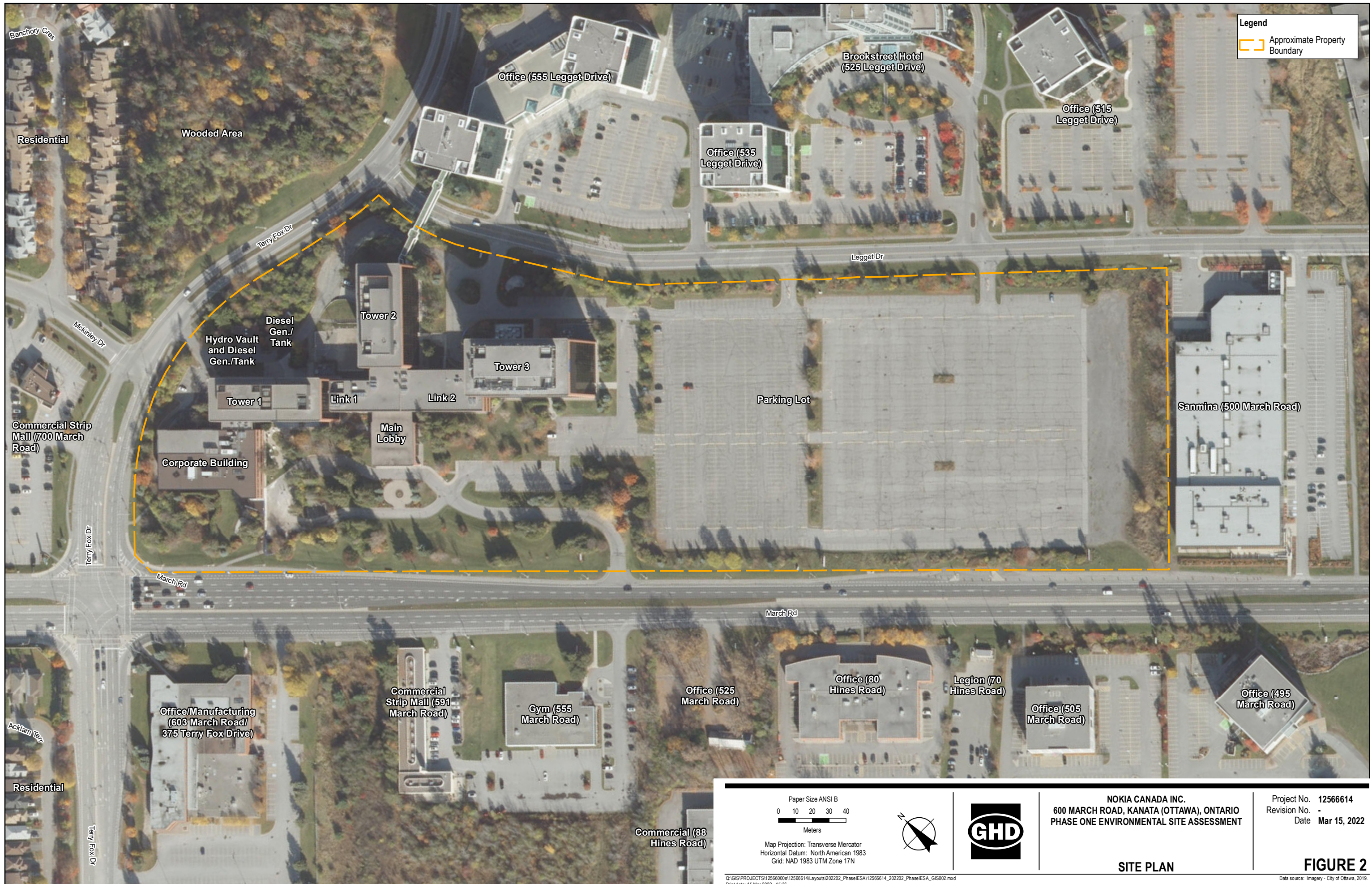
**NOKIA CANADA INC.**  
**600 MARCH ROAD, KANATA (OTTAWA), ONTARIO**  
**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**

Project No. **12566614**  
Revision No. **-**  
Date **Mar 15, 2022**

**SITE LOCATION MAP**

**FIGURE 1**





**Legend**  
 [Dashed Orange Line] Approximate Property Boundary

Banchory Cres  
 Residential  
 Wooded Area  
 Terry Fox Dr  
 McKinley Dr  
 Commercial Strip Mall (700 March Road)  
 Terry Fox Dr  
 March Rd  
 Acklam Ter  
 Residential  
 Terry Fox Dr

Office (555 Legget Drive)  
 Brookstreet Hotel (525 Legget Drive)  
 Office (535 Legget Drive)  
 Office (515 Legget Drive)  
 Legget Dr  
 Tower 2  
 Diesel Gen./ Tank  
 Hydro Vault and Diesel Gen./Tank  
 Tower 1  
 Link 1  
 Link 2  
 Tower 3  
 Parking Lot  
 Sanmina (500 March Road)  
 Corporate Building  
 Main Lobby  
 March Rd  
 Office/Manufacturing (603 March Road/ 375 Terry Fox Drive)  
 Commercial Strip Mall (591 March Road)  
 Gym (555 March Road)  
 Office (525 March Road)  
 Office (80 Hines Road)  
 Legion (70 Hines Road)  
 Office (505 March Road)  
 Office (495 March Road)  
 Commercial (88 Hines Road)

Paper Size ANSI B  
 0 10 20 30 40  
 Meters  
 Map Projection: Transverse Mercator  
 Horizontal Datum: North American 1983  
 Grid: NAD 1983 UTM Zone 17N



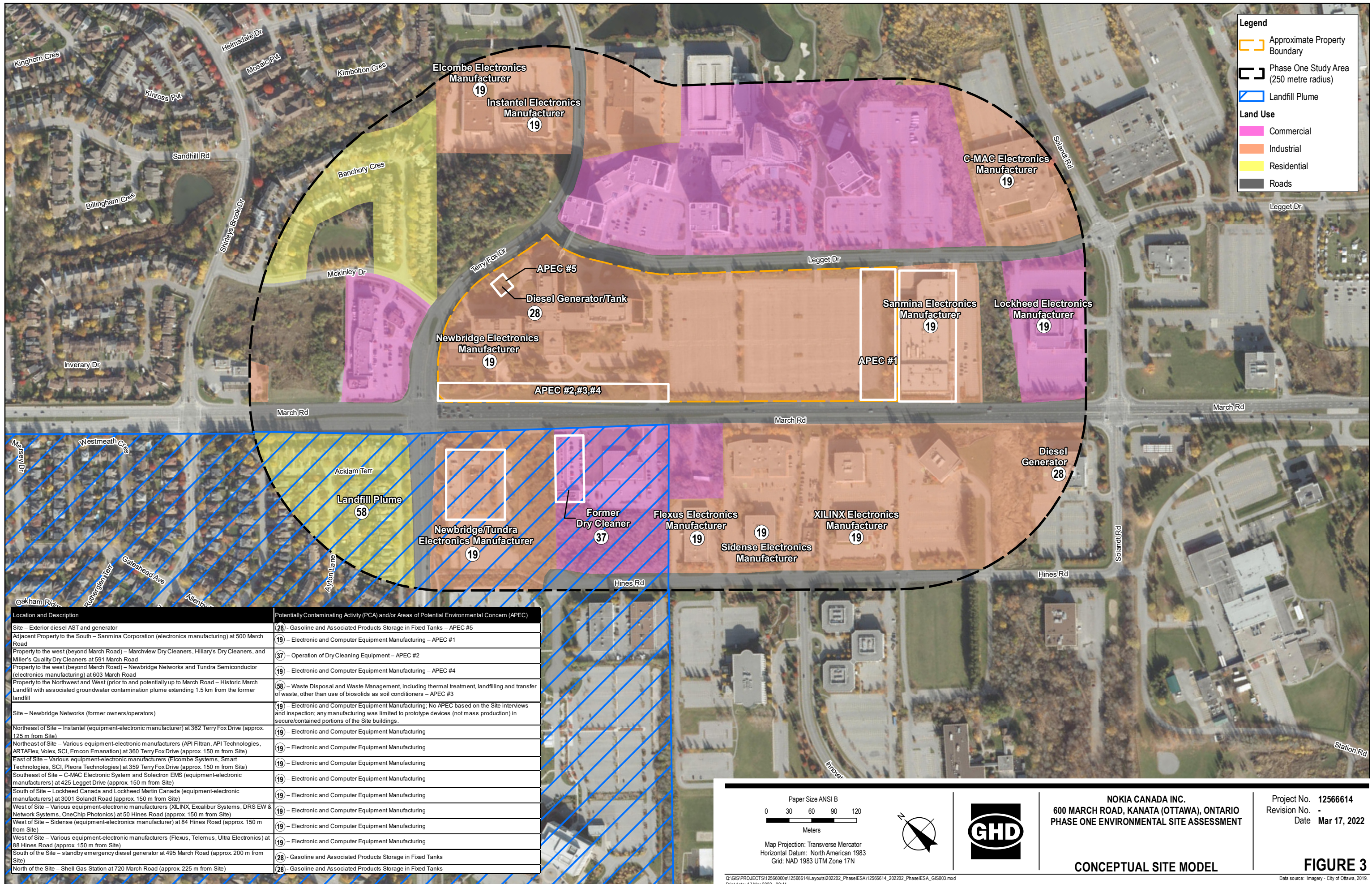
**NOKIA CANADA INC.**  
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 PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Project No. 12566614  
 Revision No. -  
 Date Mar 15, 2022

**SITE PLAN**

**FIGURE 2**





**Legend**

- Approximate Property Boundary
- Phase One Study Area (250 metre radius)
- Landfill Plume

**Land Use**

- Commercial
- Industrial
- Residential
- Roads

Location and Description	Potentially Contaminating Activity (PCA) and/or Areas of Potential Environmental Concern (APEC)
Site - Exterior diesel AST and generator	28 - Gasoline and Associated Products Storage in Fixed Tanks - APEC #5
Adjacent Property to the South - Sanmina Corporation (electronics manufacturing) at 500 March Road	19 - Electronic and Computer Equipment Manufacturing - APEC #1
Property to the west (beyond March Road) - Marchview Dry Cleaners, Hillary's Dry Cleaners, and Miller's Quality Dry Cleaners at 591 March Road	37 - Operation of Dry Cleaning Equipment - APEC #2
Property to the west (beyond March Road) - Newbridge Networks and Tundra Semiconductor (electronics manufacturing) at 603 March Road	19 - Electronic and Computer Equipment Manufacturing - APEC #4
Property to the Northwest and West (prior to and potentially up to March Road - Historic March Landfill with associated groundwater contamination plume extending 1.5 km from the former landfill	58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners - APEC #3
Site - Newbridge Networks (former owners/operators)	19 - Electronic and Computer Equipment Manufacturing; No APEC based on the Site interviews and inspection; any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings.
Northeast of Site - Instantel (equipment-electronic manufacturer) at 362 Terry Fox Drive (approx. 125 m from Site)	19 - Electronic and Computer Equipment Manufacturing
Northeast of Site - Various equipment-electronic manufacturers (API Filtran, API Technologies, ARTAFlex, Volex, SCI, Emcon Emanation) at 360 Terry Fox Drive (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
East of Site - Various equipment-electronic manufacturers (Elcombe Systems, Smart Technologies, SCI, Pleora Technologies) at 359 Terry Fox Drive (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
Southeast of Site - C-MAC Electronic System and Solectron EMS (equipment-electronic manufacturers) at 425 Legget Drive (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
South of Site - Lockheed Canada and Lockheed Martin Canada (equipment-electronic manufacturers) at 3001 Solandt Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
West of Site - Various equipment-electronic manufacturers (XILINX, Excalibur Systems, DRS EW & Network Systems, OneChip Photonics) at 50 Hines Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
West of Site - Sidense (equipment-electronics manufacturer) at 84 Hines Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
West of Site - Various equipment-electronic manufacturers (Flexus, Telemus, Ultra Electronics) at 88 Hines Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
South of the Site - standby emergency diesel generator at 495 March Road (approx. 200 m from Site)	28 - Gasoline and Associated Products Storage in Fixed Tanks
North of the Site - Shell Gas Station at 720 March Road (approx. 225 m from Site)	28 - Gasoline and Associated Products Storage in Fixed Tanks

Paper Size ANSI B

0 30 60 90 120

Meters

Map Projection: Transverse Mercator  
Horizontal Datum: North American 1983  
Grid: NAD 1983 UTM Zone 17N



**NOKIA CANADA INC.**  
600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Project No. 12566614  
Revision No. -  
Date Mar 17, 2022

CONCEPTUAL SITE MODEL

FIGURE 3

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Print date: 17 Mar 2022 - 09:41

Data source: Imagery - City of Ottawa, 2019



# Appendices



# **Appendix A**

**Curricula Vitae**



# Joseph Drader P. ENG., P.E.

## Project Manager/Environmental Engineer



### Location

Ottawa, Ontario, Canada

### Experience

20+ years

### Qualifications/Accreditations

- Bachelor of Science in Chemical Engineering, 2000

### Key technical skills

- Contaminant Assessment and Remediation
- Decommissioning Closure & Rehabilitation
- Designated Substance Surveys
- Emergency Response Assessments

### Memberships

- Professional Engineers of Ontario
- Ottawa Area Chapter of Association of Consulting Engineering Companies

### Relevant experience summary

Joseph is a senior engineer with over 20 years of experience in environmental engineering. Joseph has experience in Phase I and II Environmental Site Assessments (governed by Canadian and United States regulations); emergency response assessments, remediation, and investigations; construction supervision/inspection and contract administration for UST removal projects, remediation projects, and landfill projects; designate substance surveys; coordination of various monitoring programs (groundwater, surface water, air); and other environmental compliance assessments (noise, air, sewer). Joseph has also been the Quality System representative for the Ottawa office for 6 years (2009 2015) and is a former member of the Office Joint Health and Safety Committee.

### Project experience – Environmental Site Assessments

#### Phase I ESAs

**Project Manager/Engineer | Various | Ontario, Quebec, Manitoba, Saskatchewan, Northwest Territories, Canada and New York and Michigan, USA | 2005 - Present**

Project Manager/Engineer for Phase I ESA inspections, research, and reporting in support of acquisition, divestiture, due diligence, and regulatory requirements for over 90 industrial, commercial, municipal, and residential properties in Canada and USA. Other environmental compliance activities completed in conjunction with Phase I ESA include:

#### Phase II ESAs

**Project Manager/Engineer | Various | Ontario, Canada | 2005 - Present**

Project Manager/Engineer for Phase II ESA programs and reporting in support of acquisition, divestiture, due diligence, construction/redevelopment, and regulatory

requirements for industrial, commercial, and residential properties including, but not limited to:

- Commercial/Vacant property in Ottawa, Ontario
- Transport facility and vacant property in Sudbury, Ontario
- Soil/Groundwater investigation of former UST area at quarry property in Renfrew, Ontario
- Groundwater investigation at former gas station property in Mississauga, Ontario
- Former gas station property in Kemptville, Ontario
- Former residential/parking lot property in Ottawa, Ontario
- Groundwater investigation at residential apartment building with former adjacent dry cleaning operations in Ottawa, Ontario
- Residential apartment building with historic industrial activities in Ottawa, Ontario
- Former industrial properties in Belleville, Ontario
- Office building property (former UST) in Ottawa, Ontario

Phase II ESA activities included development of sampling plans and health & safety plans, along with coordination and implementation of utility locates, test pit and drilling activities, monitoring well installation, soil &

groundwater sampling and monitoring activities, analytical results review & interpretation, and client & regulatory reporting.

## **Project experience – Environmental Investigation, Remediation, and Risk Management**

### ***Leaking UST***

**Senior Engineer/Advisor |  
CAI Inc. | Prescott, Ontario, Canada | 2019**

Senior Engineer/Advisor for an environmental assessment and remediation of a potentially leaking underground storage tank containing heptane at a coatings, adhesives, and inks manufacturing facility. Responsibilities include:

- Coordination of groundwater and sewer sampling program along with analytical results review and reporting
- Budgetary estimates for remediation of heptane impact, as well as new tank farm design
- General consulting services with client and regulator

### ***Hawkesbury Lagoon Landfill Site***

**Project Manager/Engineer |  
MNRF | Hawkesbury, Ontario, Canada |  
2014 - 2020**

Project Engineer (later Manager) for the groundwater, leachate, and surface water monitoring program at a former pulp and paper site that is under remediation (lagoon sludge material transferred to landfill constructed on-Site). Responsibilities include coordination of monthly/quarterly groundwater, leachate, and surface water sampling events; advisor for drilling program for new monitoring wells installed within and outside landfill; assessment of hydrogeologic conditions; assessment of sample analytical data to regulatory trigger limits; implementation of applicable corrective action activities; and annual reporting to regulatory requirements. Other responsibilities included ECA amendment application, meeting with MECP, and leachate removal activities.

### ***Waste Oil Tank and Vault Decommissioning***

**Project Manager/Engineer |  
City of Ottawa | Ottawa, Ontario, Canada |  
2014 - 2015**

Project Manager/Engineer for the environmental assessment and decommissioning of an underground vault and former waste oil tank at the Lemieux Island Water Purification Plant. Responsibilities include:

- Development of a subsurface investigation program (soil and groundwater) in the vicinity of the vault

- Development of detailed design and technical specifications for the tank removal, vault decommissioning, and impacted soil removal
- Tender support, contract administration, and liaison between contractor and City
- Soil and groundwater sample data assessment and closure reporting

### ***Former Amoco Fabrics and Fibers Facility***

**Project Engineer |  
HCISPA | Hawkesbury, Ontario, Canada |  
2009 - 2011; 2017 - Ongoing**

Project Engineer and Contract Administrator for source removal/remediation activities of former yarn waste area and former sludge lagoon area. Responsibilities include:

- Development of detailed design and technical specification for excavation of yarn waste disposal area and excavation/in-situ chemical oxidation (ISCO) treatment of former sludge lagoon area
- Tender support, contract administration, and liaison between contractor and client
- Soil and groundwater data assessment and reporting of remediation activities

As of 2017, Project Engineer for development of technical specifications for demolition of on-Site treatment system and structures, as well as completion of a due diligence risk assessment (DDRA) for property redevelopment and sale. As of 2018, Project Manager for semi-annual groundwater monitoring program with annual reporting to regulatory agency, along with installation of new monitoring wells. Additional responsibilities included environmental advisor for property redevelopment, ECA application documents.

### ***Implementation of Risk Management Plan***

**Project Manager/Engineer |  
Sakto Corporation | Ottawa, Ontario, Canada |  
2008 - Ongoing**

Joseph is project manager and engineer for implementation of Risk Management Plan (RMP) at a residential/office building complex, where historic dry cleaning operations impacted groundwater at on and off-site properties. Responsibilities include:

- Assessment of quarterly and semi-annual groundwater and ambient air sampling data
- Annual reporting to City of Ottawa and MOECC
- Coordination and reporting of monthly effluent sampling from a groundwater pre-treatment system (air stripper) to City of Ottawa sanitary sewer (dewatering of 4-storey underground garage)

Based on consistent and/or decreasing groundwater VOC concentrations, the groundwater and air sampling have been reduced to annual events and annual summary reporting.

### ***Former Industrial Facility***

**Project Manager/Engineer |  
Metso Minerals Canada | Belleville, Ontario, Canada |  
2010 - 2019**

Project Engineer (later Manager) for due diligence activities completed at former mining equipment manufacturing facility with 11 structures constructed between 1915 and 1990. Scope and responsibilities included:

- Project Engineer for Phase I and II ESAs, along with budgetary estimates for risk assessments, demolition, remediation efforts, etc. as part of client divesture of the property
- Project Manager and Engineer for Designated Substance and Hazardous Material survey and reporting
- Project Manager and Engineer for development of design drawings and specifications for the building abatement and demolition activities
- Project Manager for tender support, construction inspection, and contract administration services associated with abatement/demolition

### **Project experience – Emergency Spill Response**

#### ***Industrial Facility***

**Project Manager/Engineer |  
DEW Engineering & Development | Ottawa, Ontario,  
Canada | 2019**

Project Manager and Engineer for completion of spill assessment and sampling/reporting associated with a zinc phosphate solution release affecting Site and adjacent property. Responsibilities included coordination of spill assessment and confirmatory soil sampling, followed by review of analytical results and completion of spill closure reporting.

#### ***Residential Fuel Oil Spill***

**Project Manager/Engineer |  
Private Resident | Ottawa, Ontario, Canada |  
2019**

Project Manager/Engineer for completion of initial assessment and subsequent remediation coordination for a fuel oil spill at a private residence. Responsibilities included:

- Coordination of initial assessment/reporting of fuel oil impact and subsequent investigation/sampling to determine extent of impact
- Coordination for soil remediation (excavation) at Site
- Spill closure reporting

### ***Highway 401 Truck Accident***

**Project Manager/Engineer |  
TransForce | Joyceville, Ontario, Canada | 2018**

Project Manager and Engineer for completion of spill assessment and sampling/reporting associated with a diesel fuel spill off Highway 401. Responsibilities included coordination of spill assessment and confirmatory soil sampling, followed by review of analytical results and completion of spill closure reporting.

### ***Incident Assessment and Remediation Coordination - Highway 417 Truck Accident***

**Project Engineer |  
TransForce | Ottawa, Ontario, Canada | 2015**

Project Engineer for completion of initial assessment and subsequent remediation coordination for a truck accident that spilled diesel fuel on the highway median. Initial assessment responsibilities included waste contractor coordination (drum removal), collection of incident details, soil sampling of impacted area (delineation and waste disposal purposes), as well as reporting incident to the MOECC Spills Action Centre. Remediation coordination responsibilities included contractor procurement and scheduling (traffic control, remediation, landfill, and laboratory). Work completed at night based on incident location and MTO encroachment permit.

### **Career history**

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2001 - present	GHD, Project Manager/Engineer (Ottawa, Ontario; and Plymouth, Michigan)
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# **Appendix B**

**Legal Survey Drawing**

PLAN OF SURVEY OF  
PART OF BLOCK 1 AND BLOCK 6  
REGISTERED PLAN 4M-642  
AND  
PART OF LOTS 8 AND 9  
CONCESSION 4  
GEOGRAPHIC TOWNSHIP OF MARCH  
CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebakk Ltd.

Scale 1:400  
Scale 1:1000  
Scale 1:150

NOTE: DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

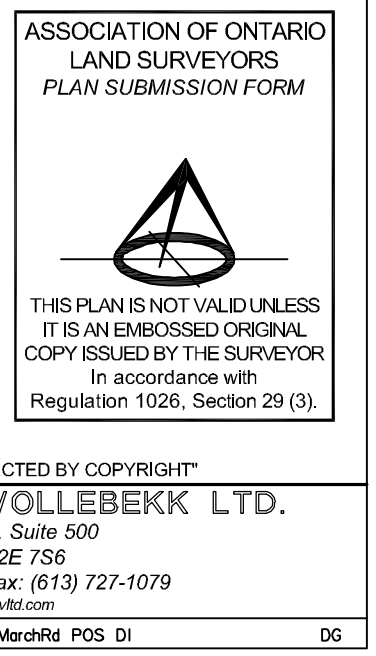
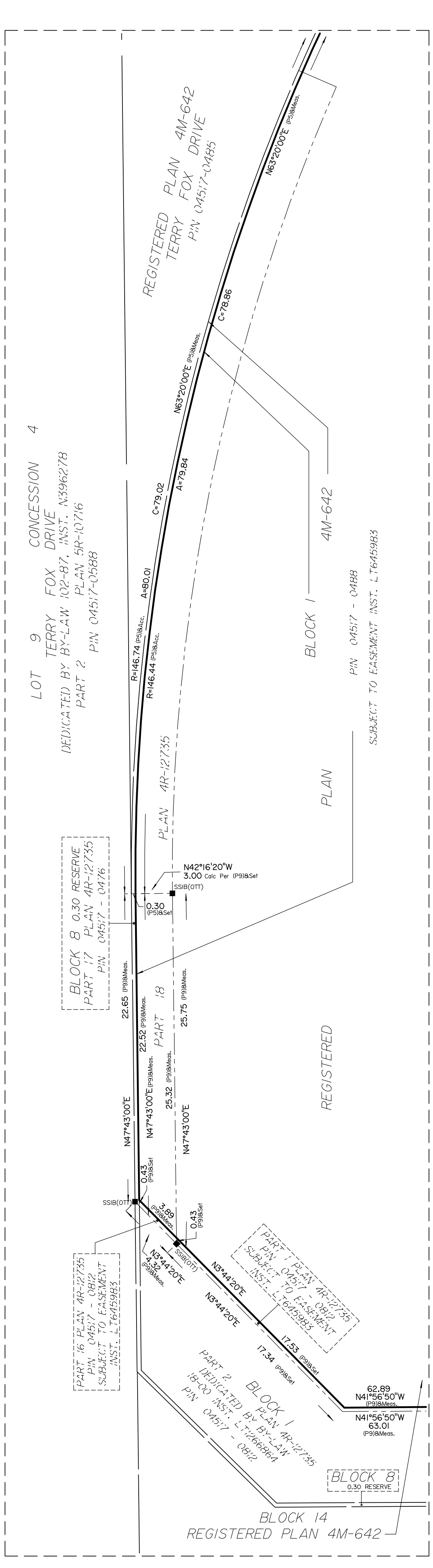
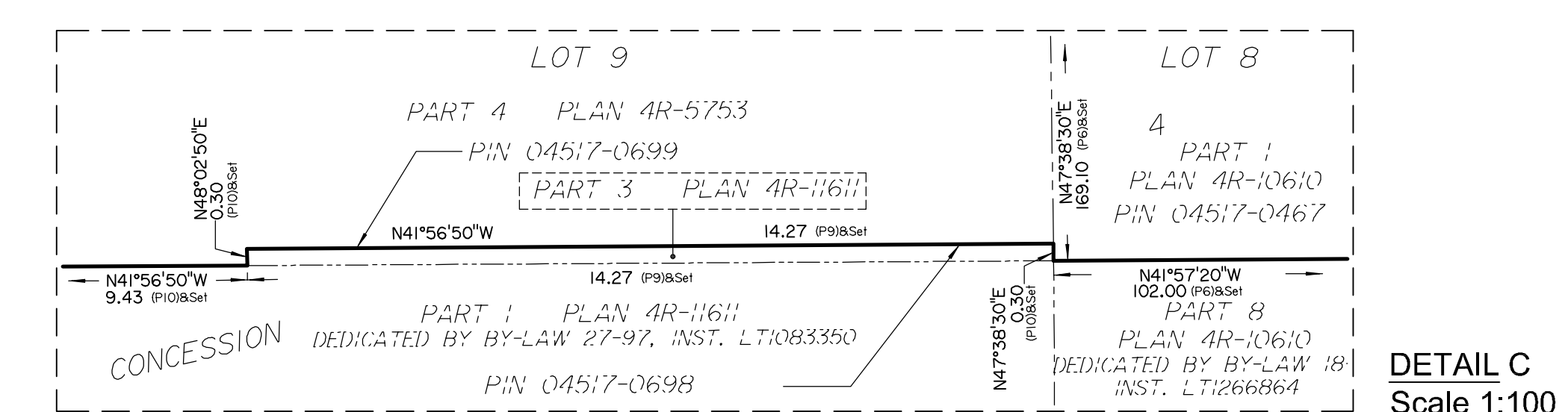
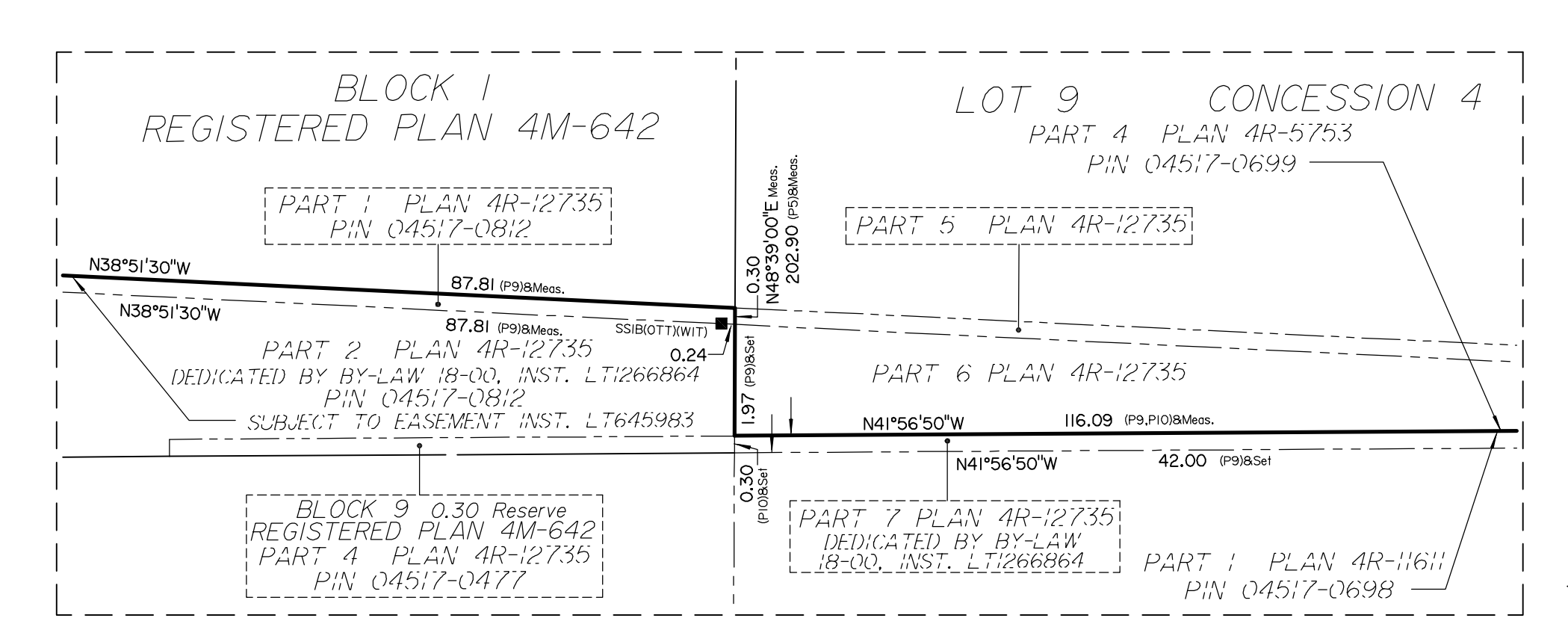
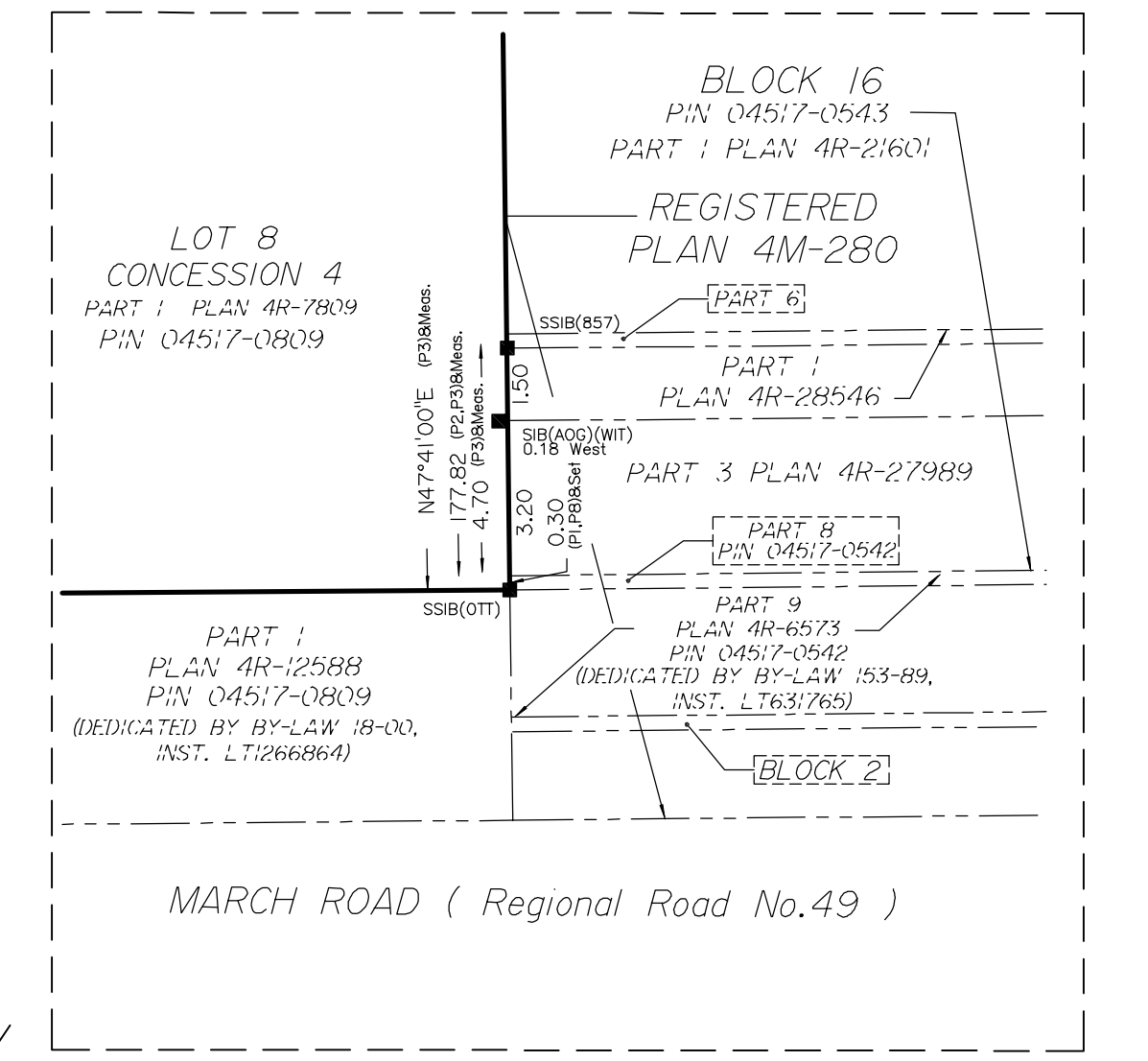
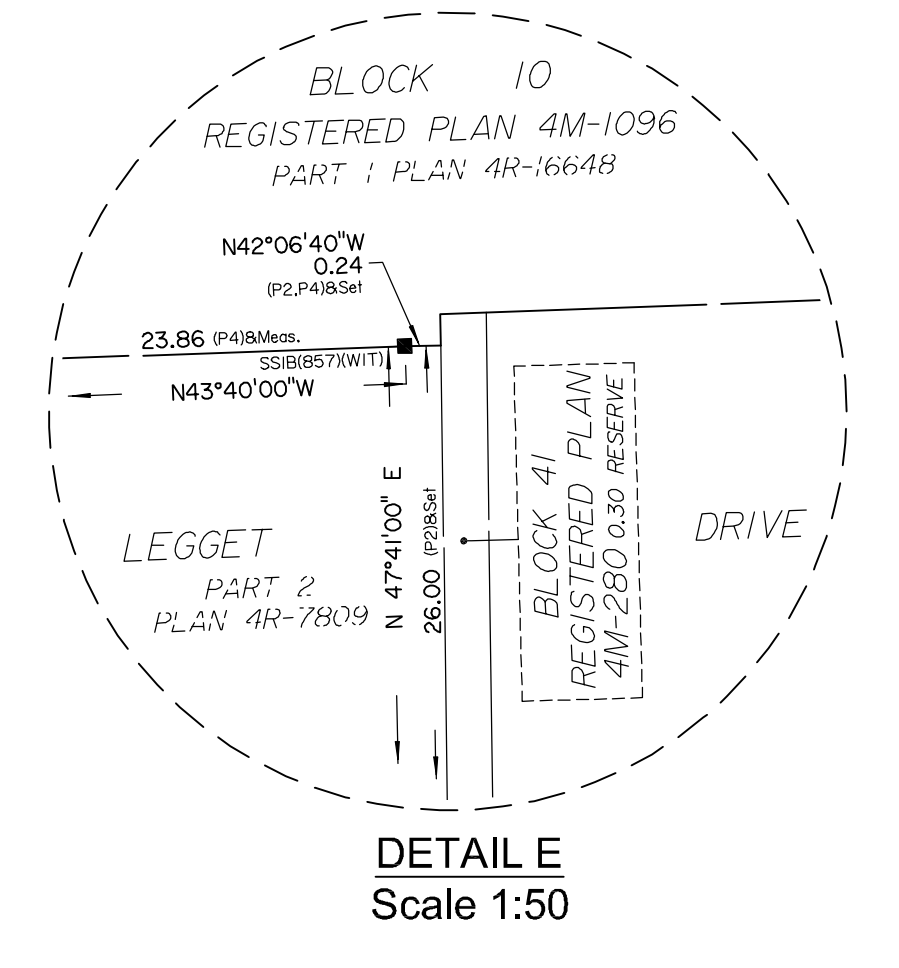
Surveyor's Certificate  
1. This survey and plan are correct and in accordance with the Survey Act and the Surveyors Act and the regulations made under them.  
2. This survey was completed on the \_\_\_\_ day of \_\_\_\_\_, 2020.

SITE AREA = 105 705.0 m<sup>2</sup>

For bearing comparisons, a value of 174° 50' counter-clockwise was applied to bearings on PL.  
Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.999913.  
Bearings are given deduced from Can. Net. 2016 Real Time Network GPS observations, NAD 83 Zone 17 (17° 50' West Longitude) NAD 83 datum.

Notes & Legend

- Survey Monument Plotted
- Survey Monument Found
- Standard Iron Bar
- Short Standard Iron Bar
- Iron Bar
- Cul. Crimp
- Concrete Peg
- Round Iron Bar
- Slide & Washer
- Short Standard Iron Bar
- Iron Bar
- Welded
- Monument
- Wells, O'Sullivan, Vollebakk Ltd.
- PL1 - Plan 40-6273
- PL2 - Plan 40-7029
- PL3 - Plan 40-2846
- PL4 - Plan 40-1940
- PL5 - Registered Plan 4M-642
- PL6 - Plan 40-1060
- PL7 - Plan 40-1736
- PL8 - Plan 40-1268
- PL9 - Plan 40-2225
- PL10 - Plan 40-1911



ASSOCIATION OF ONTARIO  
LAND SURVEYORS  
AND ENGINEERS  
ANIS, O'SULLIVAN, VOLLEBAKK LTD.  
14 Cumberland Park, Suite 100  
Burlington, ON L7R 4E8  
Phone: (905) 335-0881 Fax: (905) 335-1119  
www.aolse.com  
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# **Appendix C**

## **Chain of Title Documentation**



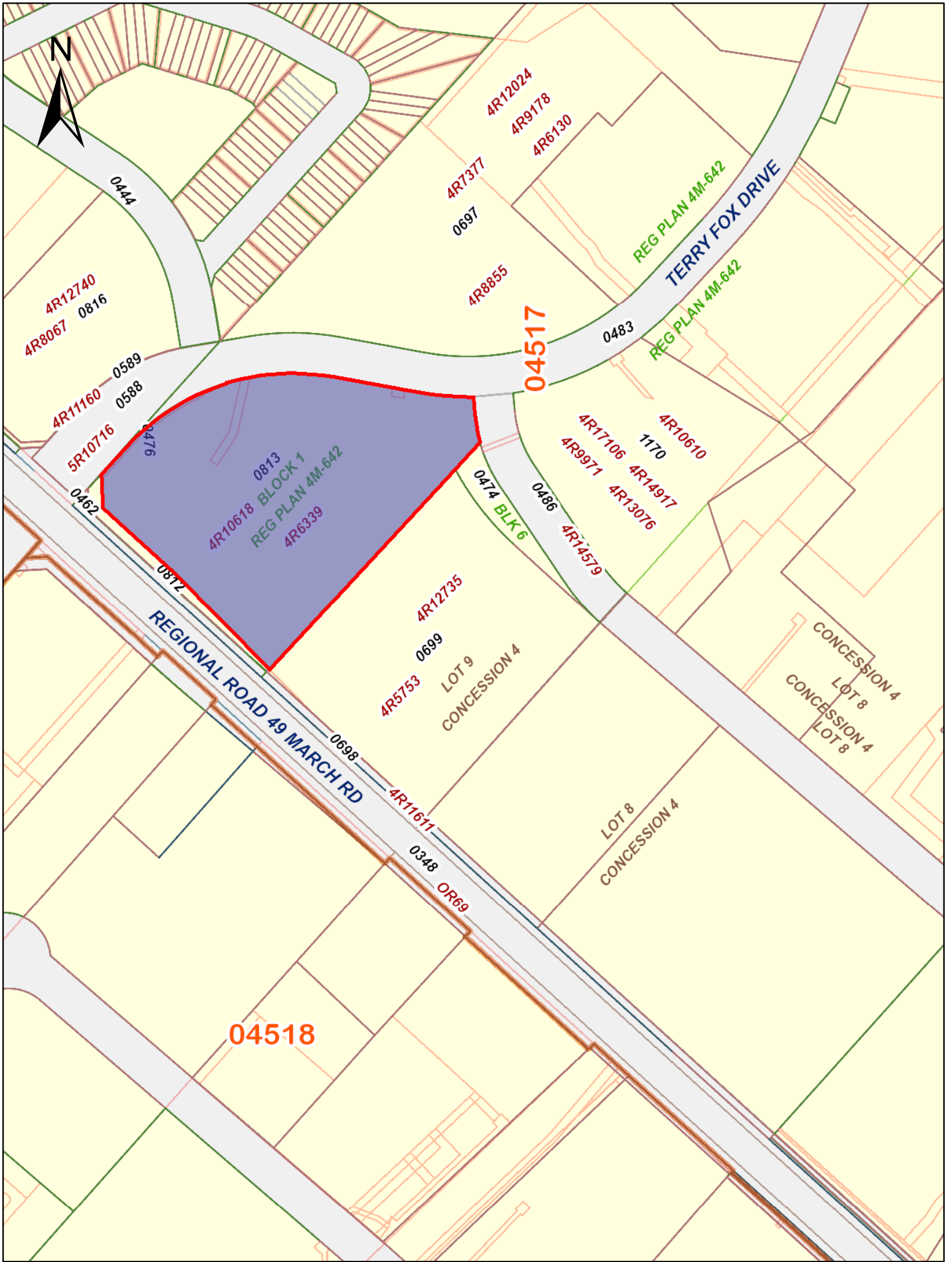
**Title Summary – 600 March Road, Ottawa**

C/M 422231.000229

	<b>PIN</b>	<b>Owner</b>	<b>Description</b>	<b>Transfer No.</b>	<b>Change of Owner Name</b>
1.	<b>04517-0813 (LT)</b>  <b>600 March Road</b>	<b>Alcatel-Lucent Canada Inc.</b>	BLOCK 1, PLAN 4M-642 SAVE AND EXCEPT PARTS 1, 2 AND 16 ON PLAN 4R-12735, KANATA.	<b>LT591903;</b> <b>Reg. 1988/11/29</b>  to Newbridge Networks Corporation Societe Par Actions de Regime Federal de Reseaux Newbridge	LT930493 Reg. 1995/04/05 to Newbridge Networks Corporation;  OC129464 Reg. 2002/10/10 to Alcatel Canada Inc. ;  OC1466862 Reg. 2013/04/11 to <b>Alcatel-Lucent Canada Inc.</b>
2.	<b>04517-0699 (LT)</b>  <b>600 March Road</b>	<b>Alcatel Canada Inc.</b>	SOUTHEAST HALF OF LOT 9, CONCESSION 4, DESIGNATED AS PART 4 ON 4R-5753, SAVE AND EXCEPT PARTS 1, 2 AND 3 ON PLAN 4R-11611 ; KANATA	<b>LT611806;</b> <b>Reg. 1989/04/28</b>  to Newbridge Research Corporation	LT998009 Reg. 1996/09/05 to Newbridge Networks Corporation;  OC177396 Reg. 2003/13/12 to <b>Alcatel Canada Inc.</b>
3.	<b>04517-0474 (LT)</b>  <b>600 March Road</b>	<b>Newbridge Research Corporation</b>	PCL 6-1, SEC 4M-642 ; BLK 6, PL 4M-642 ; KANATA	<b>LT611806;</b> <b>Reg. 1989/04/28</b>  to Newbridge Research Corporation	None
4.	<b>04517-0467 (LT)</b>  <b>Parking Lot</b>	<b>Newbridge Networks Corporation</b>	PCL 8-3, SEC MARCH-4 ; PT LT 8, CON 4 , PART 1 , 4R10610 ; KANATA	<b>LT914779;</b> <b>Reg. 1994/11/03</b>  to Newbridge Networks Corporation	None
5.	<b>04517-0809 (LT)</b>  <b>Parking Lot</b>	<b>Newbridge Networks Corporation</b>	PART OF LOT 8 CONCESSION 4, BEING PART 1 ON PLAN 4R7809 EXCEPT PARTS 1 AND 8 ON PLAN	<b>LT975384;</b> <b>Reg. 1996/05/01</b>	None



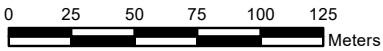
	<b>PIN</b>	<b>Owner</b>	<b>Description</b>	<b>Transfer No.</b>	<b>Change of Owner Name</b>
			4R10610 AND EXCEPT PART 1 ON PLAN 4R12588.	to Newbridge Networks Corporation	



**ServiceOntario**

PRINTED ON 27 JAN, 2022 AT 09:10:44  
FOR AWEPL01

**SCALE**



**LEGEND**

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER  0449
- BLOCK NUMBER  08050
- GEOGRAPHIC FABRIC
- EASEMENT

**NOTES**

**REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS**

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

**PROPERTY INDEX MAP**  
OTTAWA-CARLETON(No. 04)

**THIS IS NOT A PLAN OF SURVEY**

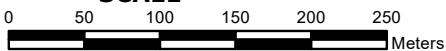




**ServiceOntario**

PRINTED ON 27 JAN, 2022 AT 11:19:47  
FOR AWEPL01

**SCALE**



**LEGEND**

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER 0449
- BLOCK NUMBER 08050
- GEOGRAPHIC FABRIC
- EASEMENT

**NOTES**

- REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS**
- THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY
- FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS
- ONLY MAJOR EASEMENTS ARE SHOWN
- REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

**PROPERTY INDEX MAP**  
OTTAWA-CARLETON(No. 04)

**THIS IS NOT A PLAN OF SURVEY**





LAND  
REGISTRY  
OFFICE #4

04517-0813 (LT)

PAGE 1 OF 2  
PREPARED FOR awepp101  
ON 2022/01/27 AT 09:06:15

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: BLOCK 1, PLAN 4M-642 SAVE AND EXCEPT PARTS 1, 2 AND 16 ON PLAN 4R-12735, KANATA. SUBJECT TO AN EASEMENT IN FAVOUR OF KANATA HYDRO-ELECTRIC COMMISSION AS IN LT645983. SUBJECT TO AN EASEMENT IN FAVOUR OF KANATA HYDRO-ELECTRIC COMMISSION OVER PART 1 ON PLAN 4R-10618 AS IN LT936988.

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE  
ABSOLUTE

RECENTLY:

DIVISION FROM 04517-0488

PIN CREATION DATE:

1998/07/22

OWNERS' NAMES

ALCATEL-LUCENT CANADA INC.

CAPACITY SHARE

BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN**						
**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1998/07/22**						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1998/07/22 **						
LT546852	1988/02/05	NOTICE AGREEMENT			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
LT546853	1988/02/05	NOTICE AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
LT546854	1988/02/05	NOTICE AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
LT547259	1988/02/11	NOTICE AGREEMENT			THE KANATA HYDRO-ELECTRIC COMMISSION	C
LT547261	1988/02/11	NOTICE AGREEMENT			THE KANATA HYDRO-ELECTRIC COMMISSION	C
LT559947	1988/05/25	NOTICE AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
4R6339	1988/07/06	PLAN REFERENCE				C
LT591903	1988/11/29	TRANSFER	\$4,018,954		NEWBRIDGE NETWORKS CORPORATION SOCIETE PAR ACTIONS DE REGIME FEDERAL DE RESEAUX NEWBRIDGE	C
REMARKS: AMENDED UNDER LT851607						
LT637583	1989/09/27	NOTICE			THE CORPORATION OF THE CITY OF KANATA	C
LT645983	1989/11/17	TRANSFER EASEMENT			KANATA HYDRO-ELECTRIC COMMISSION	C
LT852259	1993/09/24	NOTICE			THE CORPORATION OF THE CITY OF KANATA	C
LT896041	1994/07/18	NOTICE			THE CORPORATION OF THE CITY OF KANATA	C
4R10618	1994/09/12	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
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LAND  
REGISTRY  
OFFICE #4

04517-0813 (LT)

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ON 2022/01/27 AT 09:06:15

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
LT914836	1994/11/04	NOTICE			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
LT930493	1995/04/05	APL CH NAME OWNER		NEWBRIDGE NETWORKS CORPORATION		C
LT936534	1995/06/06	NOTICE		NEWBRIDGE NETWORKS CORPORATION	KANATA HYDRO-ELECTRIC COMMISSION	C
LT936988	1995/06/12	TRANSFER EASEMENT		NEWBRIDGE NETWORKS CORPORATION	KANATA HYDRO-ELECTRIC COMMISSION	C
LT1147788	1998/09/02	NOTICE		NEWBRIDGE NETWORKS CORPORATION	THE CORPORATION OF THE CITY OF KANATA	C
LT1294889	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294890	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294891	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
OC129464	2002/10/10	APL CH NAME OWNER		NEWBRIDGE NETWORKS CORPORATION	ALCATEL CANADA INC.	C
OC176830	2003/03/10	NOTICE OF LEASE		ALCATEL CANADA INC.	ROGERS WIRELESS INC.	C
OC1466862	2013/04/11	APL CH NAME OWNER		ALCATEL CANADA INC.	ALCATEL-LUCENT CANADA INC.	C
OC1466867	2013/04/11	APL (GENERAL)		ROGERS COMMUNICATIONS INC.	ROGERS COMMUNICATIONS INC.	C
REMARKS: AMENDING OC176830						

LAND  
REGISTRY  
OFFICE #4

04517-0699 (LT)

PAGE 1 OF 2  
PREPARED FOR awepp101  
ON 2022/01/27 AT 09:13:25

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: SOUTHEAST HALF OF LOT 9, CONCESSION 4, DESIGNATED AS PART 4 ON 4R-5753, SAVE AND EXCEPT PARTS 1, 2 AND 3 ON PLAN 4R-11611 ; KANATA

PROPERTY REMARKS:

ESTATE/QUALIFIER:  
FEE SIMPLE  
ABSOLUTE

RECENTLY:  
DIVISION FROM 04517-0480

PIN CREATION DATE:  
1997/02/10

OWNERS' NAMES  
ALCATEL CANADA INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN**</b>  <b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/02/10**</b>  <b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1997/02/10 **</b></p>						
4R5753	1987/04/16	PLAN REFERENCE				C
LT611806	1989/04/28	TRANSFER	\$798,125		NEWBRIDGE RESEARCH CORPORATION	C
LT896041	1994/07/18	NOTICE			THE CORPORATION OF THE CITY OF KANATA	C
LT914836	1994/11/04	NOTICE			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
LT998009	1996/09/05	APL CH NAME OWNER		NEWBRIDGE NETWORKS CORPORATION		C
4R12735	1997/02/18	PLAN REFERENCE				C
LT1110642	1998/03/18	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** KILMER ENVIRONMENTAL INC.		
LT1110941	1998/03/19	APL (GENERAL)		*** COMPLETELY DELETED *** ZEIDLER & WALKER LIMITED		
REMARKS: DELETING LT1110642						
LT1114307	1998/04/06	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CRANE SUPPLY, A DIVISION OF CRANE CANADA INC.		
LT1115105	1998/04/14	APL (GENERAL)		*** COMPLETELY DELETED *** ZEIDLER & WALKER LIMITED		
REMARKS: LT1114307						
LT1147788	1998/09/02	NOTICE		NEWBRIDGE NETWORKS CORPORATION	THE CORPORATION OF THE CITY OF KANATA	C
LT1294889	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C

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 REGISTRY  
 OFFICE #4

04517-0699 (LT)

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
LT1294890	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294891	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1302565	2000/07/21	NOTICE OF LEASE		*** COMPLETELY DELETED *** NEWBRIDGE NETWORKS CORPORATION	CLEARNET PCS INC.	
OC141417	2002/11/15	NOTICE OF LEASE		ALCATEL CANADA INC.	BELL MOBILITY INC.	C
OC177396	2003/03/12	APL CH NAME OWNER		NEWBRIDGE NETWORKS CORPORATION	ALCATEL CANADA INC.	C
OC393483	2004/10/18	NOTICE OF LEASE		ALCATEL CANADA INC.	TM MOBILE INC.	C
OC393940	2004/10/19	APL CH NAME INST		*** COMPLETELY DELETED *** CLEARNET PCS INC.	TELUS COMMUNICATIONS INC.	
		REMARKS: LT1302565				
OC393953	2004/10/19	APL (GENERAL)		*** COMPLETELY DELETED *** ALCATEL CANADA INC.		
		REMARKS: LT1302565				

PROPERTY DESCRIPTION: PCL 6-1, SEC 4M-642 ; BLK 6, PL 4M-642 ; KANATA

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE  
ABSOLUTE

RECENTLY:

FIRST CONVERSION FROM BOOK OM516

PIN CREATION DATE:

1995/03/20

OWNERS' NAMES

NEWBRIDGE RESEARCH CORPORATION

CAPACITY SHARE

BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN**</b></p> <p><b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1995/03/20**</b></p> <p><b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1995/03/17 **</b></p>						
LT546852	1988/02/05	NOTICE AGREEMENT			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
LT546853	1988/02/05	NOTICE AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
LT546854	1988/02/05	NOTICE AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
LT547261	1988/02/11	NOTICE AGREEMENT			THE KANATA HYDRO-ELECTRIC COMMISSION	C
LT611806	1989/04/28	TRANSFER	\$798,125		NEWBRIDGE RESEARCH CORPORATION	C
LT896041	1994/07/18	NOTICE			THE CORPORATION OF THE CITY OF KANATA	C
LT914836	1994/11/04	NOTICE			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
LT1110642	1998/03/18	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** KILMER ENVIRONMENTAL INC.		
LT1110941	1998/03/19	APL (GENERAL)		*** COMPLETELY DELETED *** ZEIDLER & WALKER LIMITED		
		REMARKS: DELETING LT1110642				
LT1114307	1998/04/06	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CRANE SUPPLY, A DIVISION OF CRANE CANADA INC.		
LT1115105	1998/04/14	APL (GENERAL)		*** COMPLETELY DELETED *** ZEIDLER & WALKER LIMITED		
		REMARKS: LT1114307				
LT1147788	1998/09/02	NOTICE		NEWBRIDGE NETWORKS CORPORATION	THE CORPORATION OF THE CITY OF KANATA	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

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 REGISTRY  
 OFFICE #4

04517-0474 (LT)

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
LT1294889	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294890	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294891	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
 NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PROPERTY DESCRIPTION: PCL 8-3, SEC MARCH-4 ; PT LT 8, CON 4 , PART 1 , 4R10610 ; KANATA

PROPERTY REMARKS:

ESTATE/QUALIFIER:  
FEE SIMPLE  
ABSOLUTE

RECENTLY:  
FIRST CONVERSION FROM BOOK FA20

PIN CREATION DATE:  
1995/03/20

OWNERS' NAMES  
NEWBRIDGE NETWORKS CORPORATION

CAPACITY SHARE  
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN**</b></p> <p><b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1995/03/20**</b></p> <p><b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1995/03/17 **</b></p>						
4R10610	1994/09/12	PLAN REFERENCE				C
LT914779	1994/11/03	TRANSFER	\$516,012		NEWBRIDGE NETWORKS CORPORATION	C
LT1110642	1998/03/18	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** KILMER ENVIRONMENTAL INC.		
LT1110941	1998/03/19	APL (GENERAL)		*** COMPLETELY DELETED *** ZEIDLER & WALKER LIMITED		
REMARKS: DELETING LT1110642						
LT1114307	1998/04/06	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CRANE SUPPLY, A DIVISION OF CRANE CANADA INC.		
LT1115105	1998/04/14	APL (GENERAL)		*** COMPLETELY DELETED *** ZEIDLER & WALKER LIMITED		
REMARKS: LT1114307						
LT1147788	1998/09/02	NOTICE		NEWBRIDGE NETWORKS CORPORATION	THE CORPORATION OF THE CITY OF KANATA	C
LT1294889	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294890	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294891	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

LAND  
REGISTRY  
OFFICE #4

04517-0809 (LT)

PAGE 1 OF 1  
PREPARED FOR awepp101  
ON 2022/01/27 AT 11:21:52

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: PART OF LOT 8 CONCESSION 4, BEING PART 1 ON PLAN 4R7809 EXCEPT PARTS 1 AND 8 ON PLAN 4R10610 AND EXCEPT PART 1 ON PLAN 4R12588.

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE  
ABSOLUTE

RECENTLY:

DIVISION FROM 04517-0616

PIN CREATION DATE:

1998/07/22

OWNERS' NAMES

NEWBRIDGE NETWORKS CORPORATION

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN**</b></p> <p><b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1998/07/22**</b></p> <p><b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1998/07/14 **</b></p>						
4R7809	1991/11/15	PLAN REFERENCE				C
LT975384	1996/05/01	TRANSFER	\$1,100,000	MINTO DEVELOPMENTS INC.	NEWBRIDGE NETWORKS CORPORATION	C
LT1147788	1998/09/02	NOTICE		NEWBRIDGE NETWORKS CORPORATION	THE CORPORATION OF THE CITY OF KANATA	C
LT1294889	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294890	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C
LT1294891	2000/06/28	APL (GENERAL)		KANATA RESEARCH PARK CORPORATION		C



# **Appendix D**

**Municipal Directory Search**



CITY  
**DIRECTORY**

**Project Property:** *600 March Road, Ottawa, Ontario*  
**Report Type:** *City Directory*  
**Order No:** *22010600440*  
**Information Source:** *Vernon's Ottawa, Ontario City Directory*  
**Date Completed:** *21/01/2022*

*\*\*Note addendum regarding documentation results.\*\**

**Environmental Risk Information Services** City Directory Information Source

A division of Glacier Media Inc.

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

<b>PROJECT NUMBER:</b> 22010600440	
<b>Site Address:</b>	600 March Road, Ottawa, Ontario
<b>Year:</b> 2011	
<b>Site Listing:</b>	-Alcatel-Lucent
<b>Adjacent Properties:</b>	
<b>March Road (495-720) (No radius information. Available addresses listed individually.)</b>	555 – Goodlife Fitness 591 – Royal Lepage -Wine Craft -Vet Hospital -Bombay Masala -Co-Operators 603 – Belair Networks
<b>Aclam Terracen (30-120) (Missing All)</b>	-Information Inaccessible
<b>Ayton Lane (20-55) (Missing All)</b>	-Information Inaccessible
<b>Banchory Crescent (All) (Missing All)</b>	-Information Inaccessible
<b>Hines Road (40-95) (No radius information. Available addresses listed individually.)</b>	70 – Canadian Legion 84 – Certicom Corp

	-Irdeto Canada -Sidense Corp -Ashton Electronic Systems -Arrow Electronics -Psion Teklogix 88 – Flexus Electronics 95 – Wescar Corp
<b>Legget Drive (425-555) (Missing All)</b>	-Information Inaccessible
<b>11 McKinley Drive</b>	-Information Inaccessible
<b>3001 Solandt Road</b>	-Information Inaccessible
<b>Terry Fox Drive (355-385) (Missing All)</b>	-Information Inaccessible

<b>PROJECT NUMBER:</b> 22010600440	
<b>Site Address:</b>	600 March Road, Ottawa, Ontario
<b>Year:</b> 2005/06	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>March Road (495-720) (No radius information. Available addresses listed individually.)</b>	555 – Address Not Listed 591 – Royal LePage

	603 – Address Not Listed
<b>Aclam Terracen (30-120) (Missing All)</b>	-Information Inaccessible
<b>Ayton Lane (20-55) (Missing All)</b>	-Information Inaccessible
<b>Banchory Crescent (All) (Missing All)</b>	-Information Inaccessible
<b>Hines Road (40-95) (No radius information. Available addresses listed individually.)</b>	<p>70 – Canadian Legion</p> <p>84 – Certicom Corp.</p> <p>-Metconnex Inc.</p> <p>-Colonnade Developments</p> <p>-Taral Networks</p> <p>-Telewatch Monitoring</p> <p>-Cloakware Corp.</p> <p>88 – Wescar Corp.</p> <p>-Flexus Electronics</p> <p>-Telemus Inc.</p> <p>95 – Wescar Corp</p> <p>-Value Added Solutions</p>
<b>Legget Drive (425-555) (Missing All)</b>	-Information Inaccessible
<b>11 McKinley Drive</b>	-Information Inaccessible
<b>3001 Solandt Road</b>	-Information Inaccessible



Terry Fox Drive (355-385) (Missing All)	-Information Inaccessible
---	---------------------------

PROJECT NUMBER: 22010600440	
Site Address:	600 March Road, Ottawa, Ontario
Year: 2001/02	
Site Listing:	-Alcatel Networks
Adjacent Properties:	
March Road (495-720) (No radius information. Available addresses listed individually.)	555 – Address Not Listed 591 – Royal Lepage -Wine Craft -Island Tanning -Vet. Hospital -Ashoka Indian Cuisine 603 – Tundra Semi Conductor
Aclam Terracen (30-120) (Missing All)	-Information Inaccessible
Ayton Lane (20-55) (Missing All)	-Information Inaccessible
Banchory Crescent (All) (Missing All)	-Information Inaccessible
Hines Road (40-95) (No radius information. Available addresses listed individually.)	70 – PCL Constructors 84 – Sitecast Construction

	88 – Arrow Electronics -Flexus Electronics -Telemus Inc. 95 – Wescar Corp -Value Added Solutions
<b>Legget Drive (425-555) (Missing All)</b>	-Information Inaccessible
<b>11 McKinley Drive</b>	-Information Inaccessible
<b>3001 Solandt Road</b>	-Information Inaccessible
<b>Terry Fox Drive (355-385) (Missing All)</b>	-Information Inaccessible

<b>PROJECT NUMBER:</b> 22010600440	
<b>Site Address:</b>	600 March Road, Ottawa, Ontario
<b>Year:</b> 1996/97	
<b>Site Listing:</b>	-Newbridge Networks
<b>Adjacent Properties:</b>	
<b>March Road (495-720) (No radius information. Available addresses listed individually.)</b>	555 – Address Not Listed 591 – Royal Lepage -Wine Craft -Appliance Experts

	-Vet. Hospital -Market Place 603 – Newbridge Networks
<b>Aclam Terracen (30-120) (Missing All)</b>	-Information Inaccessible
<b>Ayton Lane (20-55) (Missing All)</b>	-Information Inaccessible
<b>Banchory Crescent (All) (Missing All)</b>	-Information Inaccessible
<b>Hines Road (40-95) (No radius information. Available addresses listed individually.)</b>	70 – Address Not Listed 84 – Address Not Listed 88 – Address Not Listed 95 – Wescar Corp. -Omega Telemus -I-Stat Canada
<b>Legget Drive (425-555) (Missing All)</b>	-Information Inaccessible
<b>11 McKinley Drive</b>	-Information Inaccessible
<b>3001 Solandt Road</b>	-Information Inaccessible
<b>Terry Fox Drive (355-385) (Missing All)</b>	-Information Inaccessible

<b>PROJECT NUMBER:</b> 22010600440	
<b>Site Address:</b>	600 March Road, Ottawa, Ontario

<b>Year: 1992</b>	
<b>Site Listing:</b>	-Newbridge Networks
<b>Adjacent Properties:</b>	
<b>March Road (495-720) (No radius information. Available addresses listed individually.)</b>	555 – Address Not Listed 591 – Marchview Dry Cleaners -Technology Brokers -Appliance Experts -Vet. Hospital -Bytes Donuts 603 – Newbridge Networks
<b>Aclam Terracen (30-120) (Missing All)</b>	-Information Inaccessible
<b>Ayton Lane (20-55) (Missing All)</b>	-Information Inaccessible
<b>Banchory Crescent (All) (Missing All)</b>	-Information Inaccessible
<b>Hines Road (40-95) (No radius information. Available addresses listed individually.)</b>	70 – Address Not Listed 84 – Address Not Listed 88 – Address Not Listed 95 – Address Not Listed
<b>Legget Drive (425-555) (Missing All)</b>	-Information Inaccessible

11 McKinley Drive	-Information Inaccessible
3001 Solandt Road	-Information Inaccessible
Terry Fox Drive (355-385) (Missing All)	-Information Inaccessible

***\*\*Kanata, Ontario is listed from 1992 to 2011 within the city directory archives\*\****

***\*\*Due to unforeseen circumstances resulting from the Covid-19 pandemic of 2020, access to information sources has been prohibited. While all additional measures were undertaken in order to provide accurate information where possible, some project searches yielded no results.\*\****

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

# **Appendix E**

**Regulatory Documentation**





File Number: D06-03-22-0011

February 24, 2022

Marc M. Bouchard  
GHD Limited

*Sent via email [marc.bouchard@ghd.com]*

Dear Marc,

**Re: Information Request  
600 March Road, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation:**

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Sewer Use Program:** The City’s Sewer Use Program has found the following information pertaining to the subject property:
  - Violations of environmental statutes, regulations or bylaws, other environmental records.

**Documents Provided:**

**HLUI Summary Report and HLUI Map**

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

**Additional information may be obtained by contacting:**

**Ontario’s Environmental Registry**

The Environmental Registry found at <https://ero.ontario.ca/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

## **The Ontario Land Registry Office**

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House  
161 Elgin Street 4th Floor  
Ottawa ON K2P 2K1  
Tel: (613) 239-1230  
Fax: (613) 239-1422

**Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.**

**Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.**

**Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.**

If you have any further questions or comments, please contact [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca).

Sincerely,

Amya Martinov  
Student Planner

Per:

Michael Boughton, MCIP, RPP  
Senior Planner  
Development Review East

Planning Services  
Planning, Infrastructure and Economic Development Department

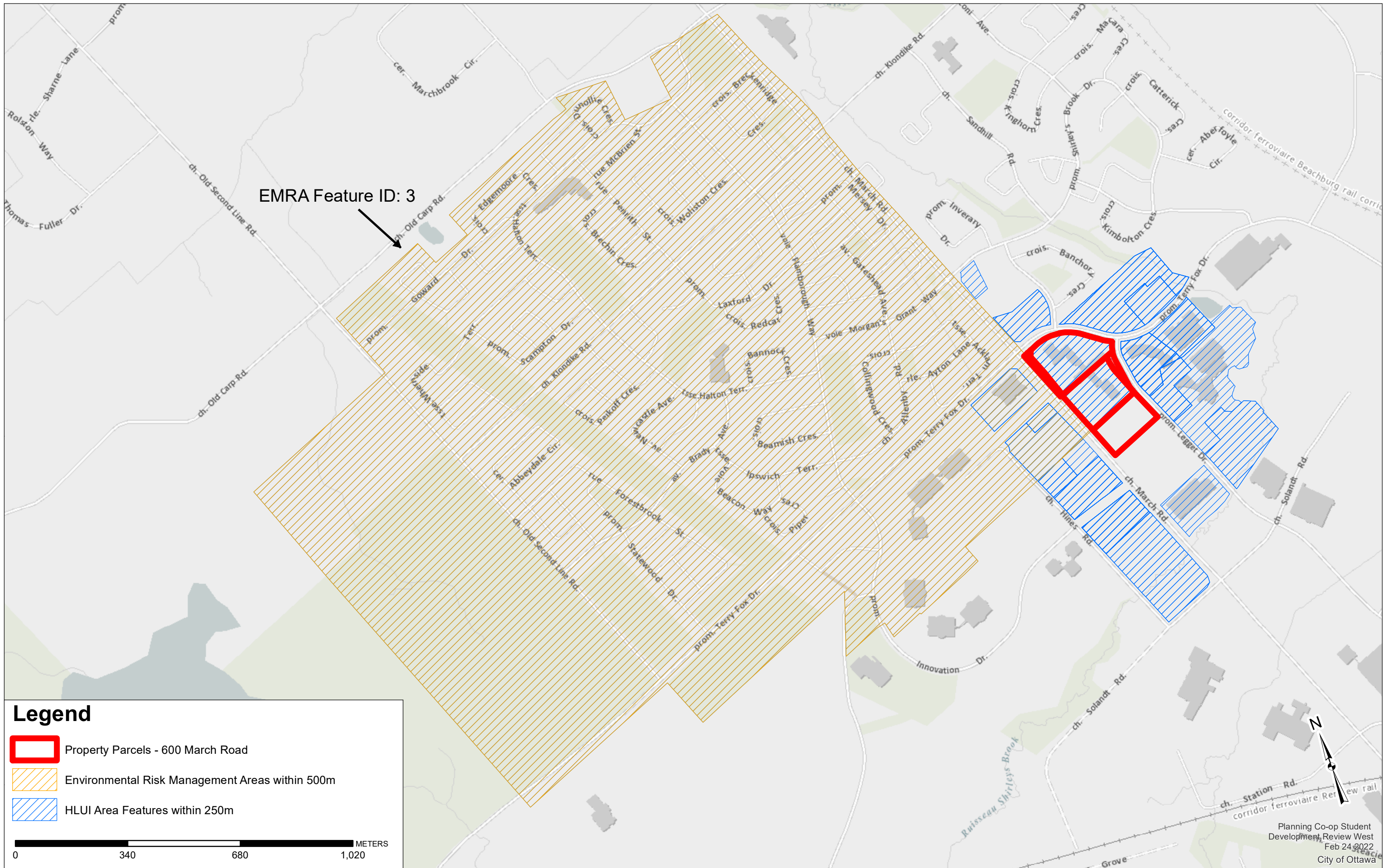
MB / AM

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report




cc: File no. D06-03-22-0011

# HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



EMRA Feature ID: 3

**Legend**

-  Property Parcels - 600 March Road
-  Environmental Risk Management Areas within 500m
-  HLUI Area Features within 250m

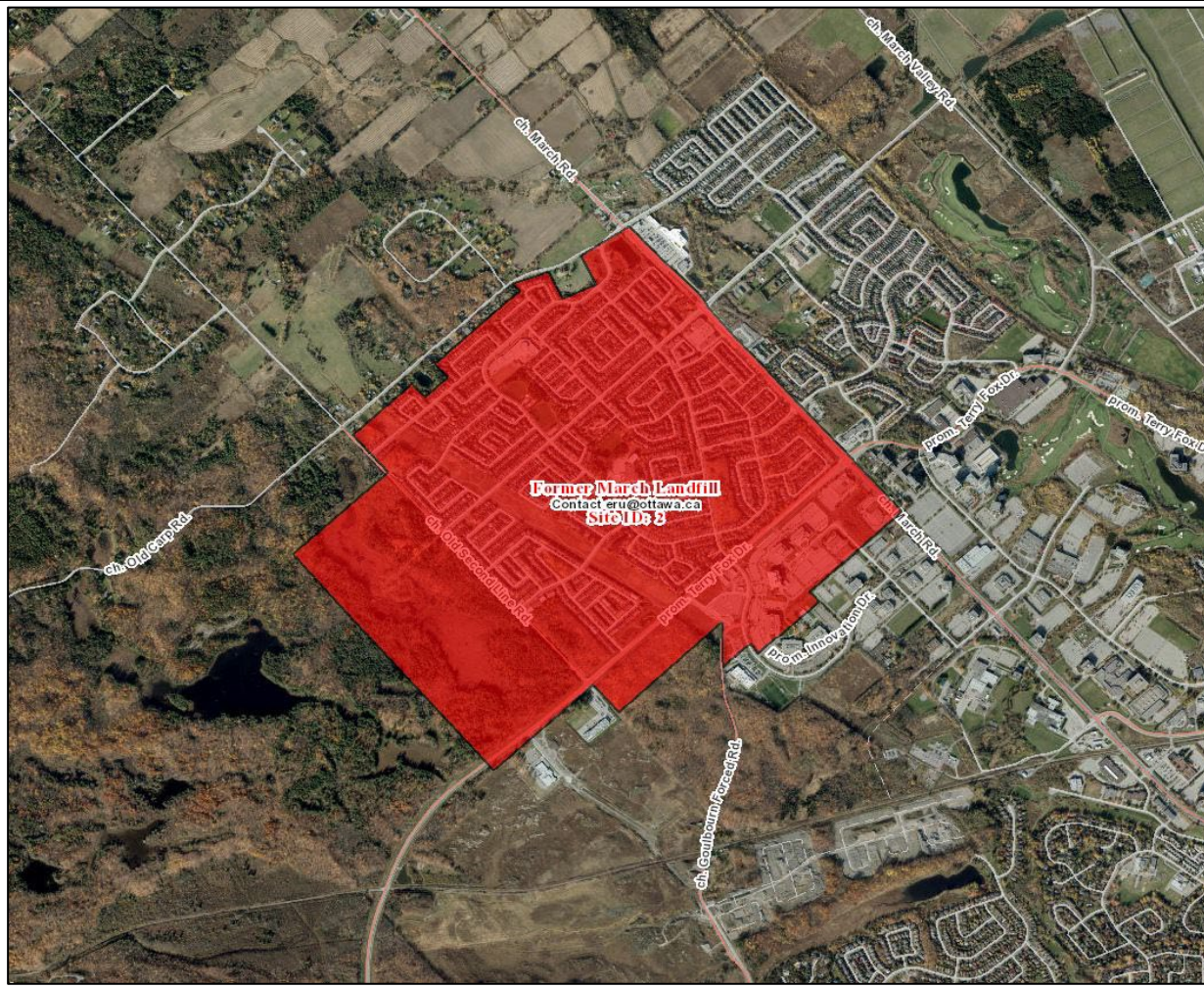
0 340 680 1,020 METERS



## Environmental Risk Management Area (ERMA)

Site ID: 2

### TERRY FOX DRIVE AT MARCH ROAD – FORMER MARCH LANDFILL



The historic March Landfill operated in this area from 1963 to 1974. There is known groundwater contamination (chlorinated solvents) that extends about 1.5 km from the former March Landfill. Special consideration should be given for projects involving management of groundwater (i.e. contact w/ groundwater, pumping and/or dewatering).

For more information please contact the City's Environmental Remediation Unit (ERU) at [ERU-UAE@ottawa.ca](mailto:ERU-UAE@ottawa.ca)

HLUI SUMMARY REPORT  
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	POSTAL_C ODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK
7194	ALCATEL NETWORKS CORPORATION	Communication and Other Electronic Equipment Industries	2000-PID; 2001-ES; 2004-GWStudy; 2006-ES; 2012-ES	1	2000-2001	c. 2000; c. 2001	600	MARCH	RD	K2K2T6	45170813	KANATA	334220; 334290; 334410			
7195	NEWBRIDGE NETWORKS CORP	Communication and Other Electronic Equipment Industries	1996-KNBP; 1998-KBD; 1998-SC	1	1996-1998	c. 1996-1998	600	MARCH	RD	K2K2T6	45170813	KANATA	334110; 334210; 334220; 334410; 334511	335; 336	Design and Manufacture of Digital Communication Products	
7196	NOKIA CANADA	Information and cultural industries	2016-PID	1	2016	PID2016	600	MARCH	RD	K2K2T6	45170813	KANATA	513390			
7649	FORMER MARCH LANDFILL	Environmental Risk Assessment	2017-CityofOttawa-RemediationUnit; 2017-CityofOttawa-Landfill	1	2017											
5642	ONECHIP PHOTONICS	Manufacturing	2012-ES	1			495	MARCH	RD	K2K3G1	45180047	KANATA	334410			
5643	PICARRO INC	Professional, scientific and technical services	2006-ES	1			495	MARCH	RD	K2K3G1	45180047	KANATA	541710			
6058	SANMINA CORPORATION	Electronic Equipment & Supplies-Mfrs	2016-PID; 2017-SalesGenie	1	2016-2017	PID2016	500	MARCH	RD	K2K0J9	45170543	KANATA	334410			
8158	TEXAS INSTRUMENTS CANADA LIMITED	Communication and Other Electronic Equipment Industries	2001-ES	2	2001		505	MARCH	RD	K2K2M5	45180059	Kanata				
6099	CAPRICORN DATA (LASER)	Other Chemical Products Industries	2001-ES; 2004-GWStudy	1	2001	c. 2001	525	MARCH	RD	K2K2M5	45180057	KANATA	325910			
6104	TEKTRONIX CANADA	Electrical and Electronic Machinery, Equipment And Supplies, Wholesale	2001-ES; 2004-GWStudy; 2005-SelectPhone	1	1998-2005	c. 1998; c. 2001; c. 2005	555	MARCH	RD	K2K2M5	45180067	KANATA	334210; 334220; 334410; 334511; 416110; 541380	335		
6105	ASAP-CD SOLUTIONS INC	Other Manufactured Products Industries	2001-ES	1	2001	c. 2001	555	MARCH	RD	K2K2M5	45180067	KANATA	334610			
6106	E-MEDIATE	Electrical and Electronic Machinery, Equipment And Supplies, Wholesale	2001-ES	1	2001	c. 2001	555	MARCH	RD	K2K2M5	45180067	KANATA	443120			
7986	ROHDE AND SCHWARZ CANADA INC	Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	1998-SC; 2001-ES	1	2001		555	MARCH	RD		45180067					
6100	PRINT THREE	Commercial Printing Industries	2001-ES	1	2001	c. 2001	591	MARCH	RD	K2K2M5	45180061	KANATA	323119			
6101	WINE CRAFT	Soft Drink Industry	2001-ES; 2006-ES	1	2001	c. 2001	591	MARCH	RD	K2K2M5	45180061	KANATA	312120			
6102	HILLARYS DRY CLEANERS	Laundries and Cleaners	1998-KBD; 1998-SC	1	1998	c. 1998	591	MARCH	RD	K2K2M5	45180061	KANATA	561740; 812310; 812320; 812330	972		
6103	MILLER'S QUALITY DRY CLEANERS	Laundries and Cleaners	2000-PID	1	2000	c. 2000	591	MARCH	RD	K2K2M5	45180061	KANATA	812320			
5273	INTEGRATED DEVICE TECHNOLOGY INC	Communication and Other Electronic Equipment Industries	2012-ES	1			603	MARCH	RD	K2K2M5	45180065	KANATA	334410			
7764	TRILLIUM TELEPHONE SYSTEMS	Communication and Other Electronic Equipment Industries	1985-M	1	1985		603	MARCH	RD		45180065	KANATA				
9124	TUNDRA SEMICONDUCTOR	Communication and Other Electronic Equipment Industries	2001-ES; 2004-GWStudy; 2006-ES; KanataIndustries-LHK-Industries	1	2001	c. 1985; c. 2001	603	MARCH	RD	K2K2M5	45180065	KANATA	334210; 334220; 334410; 334511	335		
7767	CARP QUALITY CLEANERS & LAUNDRY	Laundries and Cleaners	1994-1998-PID; 1998-SC; 2001-ES; 2006-ES; 2012-ES	1	1994-2001		700	MARCH	RD		45170816	KANATA				
10784	INTELETECH INC	Wholesale trade	2006-ES	1			700	MARCH	RD	K2K2V9	45170815	KANATA	417320			
9152	STAR FASHION CLEANERS	Laundries and Cleaners	1998-SC; 1998-WCTD; 2001-ES; 2006-ES; 2012-ES; 2017-SalesGenie	1	1998-2017	c. 1998; c. 1998-1999; c. 1999	700	MARCH	RD	K2K2V9	45170816	KANATA	561740; 812310; 812320; 812330	972		
9126	SHELL CANADA PRODUCTS	Gasoline Service Stations	2005-PropertyAssessment; 2006-ES; 2012-ES; 2017-SalesGenie	1	2005-2017	c. 2005	720	MARCH	RD	K2K2R9	45170784	KANATA	447110; 447190			
5262	BSI MANAGEMENT	Professional, scientific and technical services	2012-ES	1			515	LEGGET	DR	K2K3G4	45170902	KANATA	541380			
5263	CLEARFORD INDUSTRIES INC	Administrative and support, waste management and remediation services	2006-ES	1			515	LEGGET	DR	K2K3G4	45170902	KANATA	562210			
5585	DHS	Retail trade	2006-ES	1			525	LEGGET	DR	K2K2W2	45171135	KANATA	443110			
5598	ESIGHT CORP	Manufacturing	2012-ES	1			535	LEGGET	DR	K2K3B8	45171171	KANATA	339110			
5599	IMS BROGAN	Professional, scientific and technical services	2012-ES	1			535	LEGGET	DR	K2K3B8	45171171	KANATA	541710			
5600	PIKA TECHNOLOGIES INC	Manufacturing	2012-ES	1			535	LEGGET	DR	K2K3B8	45171171	KANATA	334290			
5601	SOLACE SYSTEMS INC	Manufacturing	2012-ES	1			535	LEGGET	DR	K2K3B8	45171171	KANATA	334110			
6025	NORTEL - WAREHOUSE	Electric Lighting Industries	2001-ES; 2006-ES; 2012-ES	1	2006-2012	ES 2001; ES 2006; ES 2012	535	LEGGET	DR	K2K3B8	45171171	KANATA	334290; 541510			
5586	ACBEL	Manufacturing	2006-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	334410			
5587	BLACKWOOD CORPORATE CENTRE TCC	Real estate and rental and leasing	2012-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	532310			
5588	BRECHIN GROUP INC	Manufacturing	2006-ES; 2012-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	323115			
5589	ECONORACK	Wholesale trade	2006-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	417230			
5590	FLUKE ELECTRONICS	Retail trade	2001-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	443110			
5591	I2	Retail trade	2006-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	443120			
5592	MINDSPEED INC	Professional, scientific and technical services	2001-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	541710			
5593	NAVISTAR DEFENSE CANADA	Manufacturing	2012-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	336990			
5594	RF-LAMBDA INC (CANADA)	Wholesale trade	2012-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	417320			
5595	STAR FASHION CLEANERS	Laundries and Cleaners	2006-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	812320			
5596	INDIGO ELECTRONICS	Retail trade	2001-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	443110			
5597	MARCH NETWORKS	Manufacturing	2001-ES; 2006-ES	1			555	LEGGET	DR	K2K2X3	45171170	KANATA	334310			
6024	SYNERGY PRINT AND COPY	Commercial Printing Industries	2001-ES; 2005-SelectPhone; 2006-ES; 2012-ES	1	2001-2012	c. 2001; c. 2005	555	LEGGET	DR	K2K2X3	45171170	KANATA	323114		#130	
7656	FERROTRONIC COMPONENTS INC	Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	2001-ES; 2005-SelectPhone	1	2001-2005		555	LEGGET	DR							
7657	FINE TECH INC	Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	2001-ES	1	2001		555	LEGGET	DR							
7658	HIVVA TECHNOLOGIES	Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	2005-SelectPhone	1	2005		555	LEGGET	DR							
7659	PMC SIERRA INC	Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	2005-SelectPhone; 2006-ES	1	2005		555	LEGGET	DR							
7660	SYMBOL TECHNOLOGIES CANADA	Electric Lighting Industries	2001-ES	1	2001		555	LEGGET	DR							



HLUI SUMMARY REPORT  
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	POSTAL_C ODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK
7661	TELEGUARD MONITORING SYSTEMS	Electric Lighting Industries	2005-SelectPhone	1	2005		555	LEGGET	DR							
5277	DRS EW & NETWORK SYSTEMS CANADA	Manufacturing	2006-ES	1			50	HINES	RD	K2K2M5	45180059	KANATA	339990			
5278	OM-VIDEO INC	Retail trade	2006-ES	1			50	HINES	RD	K2K2M5	45180059	KANATA	443110			
5279	POWER INTEGRATIONS	Manufacturing	2012-ES	1			50	HINES	RD	K2K2M5	45180059	KANATA	335990			
9138	CYRIUM TECHNOLOGIES	Manufacturing	2012-ES	1	2012	ES 2012	50	HINES	RD	K2K2M5	45180059	KANATA	334410; 335990			
9139	ELECTRO SOURCE INC	Semiconductor Devices, Microprocessors, Power Supply (Electrical)	2001-ES; 2004-GWStudy; 2006-ES	1	1984	GW Study 2004 Scotts	50	HINES	RD	K2K2M5	45180059	KANATA	419170	5065	50 Hines Rd	
9140	EXCALIBUR SYSTEMS LTD	Simulators, Electronic Components, Computer Software (Simulation), Radar Systems (Naval)	2001-ES; 2004-GWStudy	1	1988	GW Study 2004 Scotts	50	HINES	RD	K2K2M5	45180059	KANATA	333990	3699	50 Hines Rd	
9141	HUBER & SUHNER CANADA	Telecommunication Carriers Industry	2000-PID; 2001-ES	1	2000	c. 2000; c. 2001	50	HINES	RD	K2K2M5	45180059	KANATA	334290; 517110; 517210; 517310; 517410; 517910			
9142	XILINX INC	Semiconductors & Related Devices (Mfrs)	2006-ES; 2017-SalesGenie	1	2017	SalesGenie 2017	50	HINES		K2K2M5	45180059	KANATA	33441303	3674-98		
9143	ARROW ELECTRONICS CANADA LIMITED	Electrical and Electronic Machinery, Equipment And Supplies, Wholesale	2001-ES; 2004-GWStudy; 2005-SelectPhone; 2006-ES; 2012-ES	2	2005	c. 2005	84	HINES	RD	K2K3G3	45180101	KANATA	417310; 417320; 443120		#100	
9144	SKYWORKS SOLUTIONS (TEST LAB)	Wholesale trade	2016-PID	1	2016	PID2016	84	HINES	RD	K2K3G3	45180101	KANATA	417310			
5280	ARROW-OTTAWA TECHNOLOGY CENTER (OT	Electrical and Electronic Machinery, Equipment And Supplies, Wholesale	2012-ES	1			84	HINES	RD	K2K3G3	45180101	KANATA	416110			
5281	CERTICOM	Manufacturing	2006-ES	1			84	HINES	RD	K2K3G3	45180101	KANATA	331490			
5282	QUAKE TECHNOLOGIES	Manufacturing	2001-ES	1			84	HINES	RD	K2K3G3	45180101	KANATA	334410			
7765	TARAL NETWORKS	Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	2005-SelectPhone	1	2005		84	HINES	RD		45180101					
6096	TELEMUS INC	Electrical and Electronic Machinery, Equipment And Supplies, Wholesale	2001-ES; 2005-SelectPhone; 2006-ES; 2017-SalesGenie	1	2005-2017	c. 2001; c. 2005	88	HINES	RD	K2K2T8	45180011	KANATA	334410; 417320			
5639	FLEXUS ELECTRONICS	Communication and Other Electronic Equipment Industries	2006-ES	1			88	HINES	RD	K2K2T8	45180011	KANATA	334410			
5640	HOLMES & BRAKEL BUSINESS INTERIORS	Retail trade	2012-ES	1			88	HINES	RD	K2K2T8	45180011	KANATA	442110			
5641	ULTRA ELECTRONICS TCS (TELEMUS)	Manufacturing	2012-ES	1			88	HINES	RD	K2K2T8	45180011	KANATA	334220			
5602	ALCATEL NETWORKS CORPORATION	Communication and Other Electronic Equipment Industries	2006-ES	1			359	TERRY FOX	DR	K2K2E7	45171172	KANATA	334290			
5603	INTELLIGENT MEMS DESIGN INC	Manufacturing	2006-ES	1			359	TERRY FOX	DR	K2K2E7	45171172	KANATA	335990			
5604	RIDGEWAY RESEARCH CORPORATION	Professional, scientific and technical services	2006-ES	1			359	TERRY FOX	DR	K2K2E7	45171172	KANATA	541710			
5605	SMART TECHNOLOGIES INC	Manufacturing	2006-ES	1			359	TERRY FOX	DR	K2K2E7	45171172	KANATA	334110			
6026	SCIOMETRIC INSTRUMENTS INC	Controls Control Systems/Regulators-Mfrs	2017-SalesGenie	1	2017	SalesGenie 2017	359	TERRY FOX	DR	K2K2E7	45171172	KANATA	33451202	Apr-22	100	
5309	API FILTRAN	Semiconductors & Related Devices (Mfrs)	2012-ES	1			360	TERRY FOX	DR	K2K2P5	45170697	KANATA	334410			
5310	SCIOMETRIC INSTRUMENTS INC	Manufacturing	2006-ES	1			360	TERRY FOX	DR	K2K2P5	45170697	KANATA	334512			
9180	VOLEX CAPULUM INC	Communication and Other Electronic Equipment Industries	2001-ES	1	2001	c. 2001	360	TERRY FOX	DR	K2K2P5	45170697	KANATA	334410			
9181	DICAP CORP	Communications and Energy Wire And Cable Industry	1998-SC	1	1998	c. 1998	360	TERRY FOX	DR	K2K2P5	45170697	KANATA	335920	338		
9182	API TECHNOLOGIES CORP	Semiconductors & Related Devices (Mfrs)	2017-SalesGenie	1	2017	SalesGenie 2017	360	TERRY FOX	DR	K2K2P5	45170697	KANATA	33441303	3674-98		
9183	ARTAFLEX INC	Electronic Equipment & Supplies-Mfrs	2017-SalesGenie	1	2017	SalesGenie 2017	360	TERRY FOX	DR	K2K2P5	45170697	KANATA	33441902	Jan-79		
5290	INNOCOR	Manufacturing	2006-ES	2			362	TERRY FOX	DR	K2K2P5	45170471	KANATA	334110			
5291	JDS UNIPHASE	Manufacturing	2012-ES	1			362	TERRY FOX	DR	K2K2P5	45170471	KANATA	334290			
5292	SERESCO TECHNOLOGIES INC	Professional, scientific and technical services	2006-ES	1			362	TERRY FOX	DR	K2K2P5	45170471	KANATA	541710			
9147	PFLEMINGCOM	Communications and Energy Wire And Cable Industry	2001-ES	1	2001	c. 2001	362	TERRY FOX	DR	K2K2P5	45170471	KANATA	335920			
9148	INSTANTEL INC	Communication and Other Electronic Equipment Industries	1998-KBD	1	1998	c. 1998	362	TERRY FOX	DR	K2K2P5	45170471	KANATA	334210; 334220; 334410; 334511	335	Design and manufacture blast mate seismographs and watch mate wandering patient systems.	

## Marc Bouchard

---

**From:** Public Information Services <publicinformationservices@tssa.org>  
**Sent:** January 7, 2022 5:51 PM  
**To:** Marc Bouchard  
**Subject:** RE: 12566614 / TSSA / Records of Registered or Licensed Fuel Storage Tanks / 495 to 706 March Road, Ottawa

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

### NO RECORD FOUND

Hello Marc,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at [https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?\\_mid\\_=392](https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392) and email the completed form to [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org) along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees



### **Public Information Agent**

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)

[www.tssa.org](http://www.tssa.org)



---

**From:** Marc Bouchard <Marc.Bouchard@ghd.com>

**Sent:** January 7, 2022 3:42 PM

**To:** Public Information Services <publicinformationservices@tssa.org>

**Subject:** RE: 12566614 / TSSA / Records of Registered or Licensed Fuel Storage Tanks / 495 to 706 March Road, Ottawa

**[CAUTION]:** This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good afternoon Sherees,

Thank you kindly for this information. Would you mind also confirming the same for the following properties in the vicinity?

- 88 Hines Road
- 84 Hines Road
- 70 Hines Road
- 50 Hines Road
- 3001 Solandt Road
- 425 Legget Drive
- 515 Legget Drive
- 525 Legget Drive
- 535 Legget Drive
- 555 Legget Drive
- 362 Terry Fox Drive
- 360 Terry Fox Drive
- 359 Terry Fox Drive

Your assistance is appreciated,

**Marc M. Bouchard**

**Project Scientist**

**Contaminated Site & Remediation Group | Eastern Canada**

**GHD**

D 613 288 1724 M 613 878 6300 E [marc.bouchard@ghd.com](mailto:marc.bouchard@ghd.com)

---

**From:** Public Information Services <[publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)>

**Sent:** January 6, 2022 8:16 PM

**To:** Marc Bouchard <[Marc.Bouchard@ghd.com](mailto:Marc.Bouchard@ghd.com)>

**Subject:** RE: 12566614 / TSSA / Records of Registered or Licensed Fuel Storage Tanks / 495 to 706 March Road, Ottawa

**Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.**

**NO RECORD FOUND**

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at [https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?\\_mid\\_=392](https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392) and email the completed form to [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org) along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees



**Public Information Agent**

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: [publicinformation@tssa.org](mailto:publicinformation@tssa.org)

[www.tssa.org](http://www.tssa.org)



---

**From:** Marc Bouchard <[Marc.Bouchard@ghd.com](mailto:Marc.Bouchard@ghd.com)>

**Sent:** January 6, 2022 12:33 PM

**To:** Public Information Services <[publicinformation@tssa.org](mailto:publicinformation@tssa.org)>

**Subject:** 12566614 / TSSA / Records of Registered or Licensed Fuel Storage Tanks / 495 to 706 March Road, Ottawa

**[CAUTION]:** This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good afternoon,

Could the TSSA please advise if there are any records of registered or licensed fuel storage tanks for the following sites in Kanata (Ottawa), Ontario:

- 706 March Road
- 700 March Road
- 603 March Road
- 600 March Road
- 595 March Road
- 591 March Road
- 555 March Road
- 525 March Road
- 500 March Road
- 495 March Road

Your assistance is appreciated,

Thanks kindly,

**Marc Bouchard**

**Project Scientist**

**Eastern Canada**

**GHD**

**Proudly employee-owned | [ghd.com](http://ghd.com)**

179 Colonnade Road Suite 400 Ottawa Ontario K2E 7J4 Canada

D 613 288 1724 M 613 878 6300 E [marc.bouchard@ghd.com](mailto:marc.bouchard@ghd.com)

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This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

**Ministry of the Environment,  
Conservation and Parks**

Access and Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075

**Ministère de l'Environnement, de la  
Protection de la nature et des Parcs**

Bureau de l'accès à l'information et  
de la protection de la vie privée

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075



September 7, 2022

Marc Bouchard  
GHD Limited  
179 Colonnade Road, Unit 400  
Ottawa, Ontario K2E 7J4  
marc.bouchard@ghd.com

Dear Marc Bouchard:

**RE: MECP FOI A-2022-00221, Your Reference #: 20220106102449103 –  
Record Release Letter**

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 600 March Road, Kanata, Ottawa.

Attached is a copy of the records.

If you have any questions, please contact Gita Ramburuth at 647-449-3079 or [gita.ramburuth@ontario.ca](mailto:gita.ramburuth@ontario.ca).

Yours truly,

*Gita Ramburuth*

For

Ryan Gunn  
Manager (A), Access and Privacy Office

Attachment





### Generator Details

#### Registration/Notification Number

ON0044812

#### Legal Company Name

Primary Name:	NOKIA CANADA	Division Name:	NA
---------------	--------------	----------------	----

#### Company Operating Name

Primary Name:	NOKIA CANADA	Division Name:	NA
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#### Mailing Address

Division Building:	Corporate	Post Box Number:	NA
Address Line 1:	600 March Road	Address Line 2:	NA
Town/City:	Kanata	Postal Code / Zip Code:	K2K 2E6
County: (if inside Ontario)	OTTAWA CARLTON (RM)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

#### Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	Corporate	Post Box Number:	NA
Address Line 1:	600 March Road		
Address Line 2:	NA		
Town/City:	Kanata	Postal Code / Zip Code:	K2K 2E6
County: (if inside Ontario)	OTTAWA CARLTON (RM)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

#### Company Official

000001





Company Name: **NOKIA CANADA**  
 Company Number: **ON0044812 (Generator)**

## Active Waste Classes

### Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

#### Active Off-site Waste Classes

Waste Class	<a href="#">View Details</a>	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
112 - C	<a href="#">View details</a>	D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
121 - C	<a href="#">View Details</a>	D002	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
122 - C	<a href="#">View Details</a>	D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
		D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
145 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
146 - R	<a href="#">View Details</a>	D003	5, 13	Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
146 - T	<a href="#">View Details</a>	D009	5, 13	Out of Ontario - Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
148 - B	<a href="#">View Details</a>	U151	2B, 12	Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>

000002

148 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
212 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
		D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
212 - L	<a href="#">View Details</a>	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
213 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
242 - A	<a href="#">View Details</a>	P037	2A	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
252 - L	<a href="#">View Details</a>	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
263 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
331 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>

[Unregister Selected Classes](#)

[Back](#)



**File Copy for ON0044812 SCHEDULE 'A' - FILE COPY**

July 5, 2001

**ALCATEL CANADA INC.  
600 MARCH ROAD**

**KANATA, ON  
K2K 2E6**

**Attention: MR. JOEL RABIDEAU**

**Re: Acknowledgement of Subject Waste Registration**

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration report dated June 26, 2001. The Generator Registration Number assigned to your company is:

ON0044812

for the site located at: 600 MARCH ROAD

KANATA  
ON

A list of acknowledged waste number(s) is attached as Schedule 'A'. A waste number appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule 'A', and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

SCHEDULE 'A'

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration report dated June 26, 2001 for the following site:

ALCATEL CANADA INC.  
600 MARCH ROAD

KANATA  
ON

identified by Generator Registration Number ON0044812, dated in Toronto, July 5, 2001

<u>WASTE STREAM</u>	<u>WASTE NUMBER</u>
ALKALINE WASTES - HEAVY METALS	121C
OTHER SPECIFIED INORGANICS	146T

----- End of List -----



Company Name: **NOKIA CANADA**  
Company Number: **ON0044812 (Generator)**

**Active Waste Classes**

**Active Waste Class Listing**

[Add New Waste Class](#) | [Inactive waste classes](#)

**Active Off-site Waste Classes**

Waste Class	<a href="#">View Details</a>	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
112 - C	<a href="#">View Details</a>	D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input checked="" type="checkbox"/>
121 - C	<a href="#">View Details</a>	D002	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input checked="" type="checkbox"/>
122 - C	<a href="#">View Details</a>	D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input checked="" type="checkbox"/>
		D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input checked="" type="checkbox"/>
145 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
146 - R	<a href="#">View Details</a>	D003	5, 13	Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
146 - T	<a href="#">View Details</a>	D009	5, 13	Out of Ontario - Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
148 - B	<a href="#">View Details</a>	U151	2B, 12	Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
148 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
212 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
		D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
212 - L	<a href="#">View Details</a>	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
213 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
242 - A	<a href="#">View Details</a>	P037	2A	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
252 - L	<a href="#">View Details</a>	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
263 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
331 - I	<a href="#">View Details</a>	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>

Back







**Generator Details**

**Registration/Notification Number**

ON0044812

**Legal Company Name**

Primary Name: NOKIA CANADA Division Name: NA

**Company Operating Name**

Primary Name: NOKIA CANADA Division Name: NA

**Mailing Address**

Division Building: Corporate Post Box Number: NA  
 Address Line 1: 600 March Road Address Line 2: NA  
 Town/City: Kanata Postal Code / Zip Code: K2K 2E6  
 County: (if inside Ontario) OTTAWA CARLTON (RM) Province/State (If inside Canada/US) ONTARIO  
 County: (if outside Ontario) NA Province / State (If outside Canada / US) NA  
 Country: Canada

**Site Location**

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: Corporate Post Box Number: NA  
 Address Line 1: 600 March Road  
 Address Line 2: NA  
 Town/City: Kanata Postal Code / Zip Code: K2K 2E6  
 County: (if inside Ontario) OTTAWA CARLTON (RM) Province / State (If inside Canada / US) ONTARIO  
 County: (if outside Ontario) NA Province / State (If outside Canada / US) NA  
 Country: Canada

**Company Official**

The Company Official is the individual within your organization who is responsible for managing hazardous and liquid industrial waste. The Company Official will also serve as an HWIN Administrator for the organization. The Company Official may also delegate HWIN responsibilities to other individuals. You may designate this responsibility in the Additional HWIN Administrator section below.

Name : Mr Roy Bean  
 Designation: Facilities Services Technicain Business Phone: 3435533921 Ext : NA  
 Mobile: NA Fax Number: NA Ext : NA  
 Email Address: roy.bean.ext@nokia.com User Name: alcatel

**Additional HWIN Administrator**

The HWIN Company Official may delegate HWIN Administrator responsibility to other individuals. One additional administrator may be defined below and / more administrators may be registered by an HWIN Administrator after initial registration.

Name:  
 Designation: Business Phone: Ext :  
 Mobile: Fax Number: Ext :  
 Email Address: User Name:

**Contact Person**

HWIN requires that you designate one person to serve as the contact person who will receive all HWIN e-mail messages. Please indicate below whether you want the Company Official or the Additional HWIN Administrator to serve as the contact person.

Company Official

Does your organization manage waste on-site? No





OCCURENCE REPORT

<b>Location of Occurrence:</b> OTTAWA CITY 600 MARCH ROAD, KANATA, ONTARIO K2K 2F6		<b>Source:</b> ALCATEL NETWORKS CORPORTION PO BOX 13600, 600 MARCH RD.,KANATA,ONT.	
Reg: 4 Dist: OT Municipality: 20107		<b>Sector: Source: SIC:</b> <b>UTM:</b> N: <input type="checkbox"/> E: <input type="checkbox"/> Zone: <input type="checkbox"/>	
<b>Entered:</b> 2001/08/14 07:52	<b>ORIS No.</b> 9940008651	<b>Abstracts:</b> 0	<b>Diaries:</b> 0
<b>Received By:</b> CAROL BOOTH		<b>Batch:</b> 3958	<b>I. E. B. No.</b>
<b>Occurrence Type:</b> O	<b>Subtype:</b> 99	<b>Occurrence Date:</b>	2001/08/14
<b>Work Plan:</b>	WH	<b>Occurrence Time:</b>	
<b>Reported By:</b> DAN DRAIN ALL		<b>Report to MOE :</b> 2001/08/14 00:00 <b>MOE at Scene:</b>	
<b>Telephone No.</b> 613-739-1070 x	<b>Alternate No.</b> x	<b>Assigned To:</b>	TOR RUSTAD
<b>Address:</b> 2705 STEVENAGE DRIVE, R. R. #4 GLOUCESTER, <b>Postal Code:</b> K1G 3N4		<b>ERP Contacted:</b> <b>Callout:</b> <input type="checkbox"/> <b>ERP Name:</b>	<b>NSP:</b> <input type="checkbox"/>
<b>Syn:</b> ISSUED EMERGENCY GENERTOR NUMBER			
<b>Brief Summary:</b> ISSUED EMERGENCY GENERATOR NUMBER FOR MANIFEST: MM75869-6, FOR WASTE CLASS NUMBER 265L WASTE(LIQUID INDUSTRIAL WASTE "GLUE").			
If there are related reports, record initial/master ORIS No. here >>			
<b>Followup Action:</b> X Abatement IEB Other <b>BF Date:</b>			
<b>File Closed:</b> Y Abatement: IEB Other <b>Suspected Violation:</b>			
<b>Report Prepared By:</b> CAROL BOOTH		<b>Date:</b> 08/14/2001	<b>IEB Investigator:</b>
<b>Approving Officer</b> PAUL KEHOE		<b>Date:</b> 08/14/2001	<b>IEB BF Date</b>
<b>Reviewing Officer:</b>		<b>Date</b>	
<b>Specify number(s) for routing Original</b> [ ] [ ] [ ] [ ] [ ]		Continued [ ] Yes	
<b>Specify number(s) for copy distribution</b> [ ] [ ] [ ] [ ] [ ] [ ]			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
<b>SAC Action Class:</b> 1: 2:			

<b>Material 1:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>
<b>Material 2:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>
<b>Material 3:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>

Cause.....:		Code..:
Reason.....:		Code..:
Person in Control:		Waste GenNum :
Owner.....:		Waste GenNum :
Agencies Involved.....:		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Other
% Cleaned up:		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X <input checked="" type="checkbox"/>	Regulation 362 <input checked="" type="checkbox"/>	Manifest No.
Waste Class :		Code...:
Hauler :		Code...:
Disposal Site :		Code...:
Environmental Impact:	Nature of Impact:	Code...:
People/Business Damaged (Other than to Owner/Controller) :		
Nature of Damage:		Code...:



OCCURENCE REPORT

<b>Location of Occurrence:</b> OTTAWA CITY 600 MARCH RD.,BOX 13600,KANATA, K2K 2E6		<b>Source:</b> ALCATEL COMMUNICATIONS INFRASTRUCTURE <b>Sector:</b> SI <b>Source:</b> OT <b>SIC:</b> 9999 <b>UTM:</b> N: <input type="checkbox"/> E: <input type="checkbox"/> Zone: <input type="checkbox"/>	
<b>Reg:</b> 4 <b>Dist:</b> OT <b>Municipality:</b> 20107		<b>Abstracts:</b> 0	<b>Diaries:</b> 0
<b>Entered:</b> 2001/07/12 13:39	<b>ORIS No.</b> 9940008288	<b>Batch:</b> 4027	<b>I. E. B. No.</b>
<b>Received By:</b> CAROL BOOTH		<b>Occurrence Date:</b> 2001/07/12	
<b>Occurrence Type:</b> O	<b>Subtype:</b> 99	<b>Occurrence Time:</b>	
<b>Work Plan:</b>	WH	<b>Report to MOE :</b> 2001/07/12 00:00	
<b>Reported By:</b> DRAIN ALL LTD.		<b>MOE at Scene:</b>	
<b>Telephone No.</b> 613-739-1070 x	<b>Alternate No.</b> x	<b>Assigned To:</b>	MARLA WILLIAMS
<b>Address:</b> 2705 STEVENAGE DRIVE GLOUCESTER, ONTARIO <b>Postal Code:</b> K1G 3N2		<b>ERP Contacted:</b> <b>Callout:</b> <input type="checkbox"/> <b>ERP Name:</b>	<b>NSP:</b> <input type="checkbox"/>
<b>Syn:</b> ISSUED EMERGENCY GENERATOR NUMBER			
<b>Brief Summary:</b> ISSUED EMERGENCY GENERATOR NUMBER FOR MANIFEST: SS42981-0, FOR WASTE CLASS NUMBER 263A WASTE(POISONOUS SOLIDS NOS. "2 CYCLOHEXYL-4, 6-DINITROPHENOL)			
If there are related reports, record initial/master ORIS No. here >>			
<b>Followup Action:</b> X Abatement IEB Other <b>BF Date:</b>			
<b>File Closed:</b> Y Abatement: IEB Other <b>Suspected Violation:</b>			
<b>Report Prepared By:</b> CAROL BOOTH	<b>Date:</b> 07/12/2001	<b>IEB Investigator:</b>	<b>IEB BF Date</b>
<b>Approving Officer</b> PAUL KEHOE	<b>Date:</b> 07/12/2001	<b>Reviewing Officer:</b>	<b>Date</b>
<b>Specify number(s) for routing Original</b> [ ] [ ] [ ] [ ] [ ]		<b>Continued</b> [ ] <b>Yes</b>	
<b>Specify number(s) for copy distribution</b> [ ] [ ] [ ] [ ] [ ] [ ]			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
<b>SAC Action Class:</b> 1: 2:			

<b>Material 1:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>
<b>Material 2:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>
<b>Material 3:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>



Cause.....:		Code..:
Reason.....:		Code..:
Person in Control:		Waste GenNum :
Owner.....:		Waste GenNum :
Agencies Involved.....:		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Other
% Cleaned up:		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X <input checked="" type="checkbox"/>	Regulation 362 <input checked="" type="checkbox"/>	Manifest No.
Waste Class :		Code...:
Hauler :		Code...:
Disposal Site :		Code...:
Environmental Impact:	Nature of Impact:	Code...:
People/Business Damaged (Other than to Owner/Controller) :		
Nature of Damage:		Code...:



**OCCURENCE REPORT**

<b>Location of Occurrence:</b> OTTAWA CITY 600 MARCH ROAD, KANATA WARD  Reg: 4 Dist: OT Municipality: 20107		<b>Source:</b> ALCATEL COMMUNICATIONS INFRASTRUCTURE Sector: SI Source: OT SIC: 9999 UTM: N: <input type="checkbox"/> E: <input type="checkbox"/> Zone: <input type="checkbox"/>	
<b>Entered:</b> 2001/05/18 13:45	<b>ORIS No.</b> 9940007645	<b>Abstracts:</b> 0	<b>Diaries:</b> 0
<b>Received By:</b> TOR RUSTAD		<b>Batch:</b> 3938	<b>I. E. B. No.</b>
<b>Occurrence Type:</b> O	<b>Subtype:</b> 99	<b>Occurrence Date:</b>	
<b>Work Plan:</b>	AI	<b>Occurrence Time:</b>	
<b>Reported By:</b> TOR RUSTAD ENVIRONMENT, OTTAWA DISTRICT		<b>Report to MOE :</b> 2001/05/11 00:00 <b>MOE at Scene:</b>	
<b>Telephone No.</b> 613-521-3450 x	<b>Alternate No.</b> - - x	<b>Assigned To:</b>	TOR RUSTAD
<b>Address:</b> 2435 HOLLY LANE OTTAWA <b>Postal Code:</b> K1V 7P2		<b>ERP Contacted:</b> Callout: <input type="checkbox"/> ERP Name:	<b>NSP:</b> <input type="checkbox"/>
<b>Syn:</b> ALCATEL- FAIL TO SUBMIT STORAGE REPORT FOR SUBJECT WASTES			
<b>Brief Summary:</b> MINISTRY STAFF CONDUCTED AN INSPECTION TO DETERMINE ALCATEL'S COMPLIANCE WITH REGULATION 347. ALCATEL HAD NOT SUBMITTED A WASTE STORAGE REPORT FORM. STAFF AT ALCATEL STORED SUBJECT WASTES FOR MORE THAN 90 DAYS WITHOUT FILING A REPORT FORM AND THIS IS CONTRARY TO SUBSECTION 18(10) OF REGULATION 347. .... JUNE 22, 2001: THE WASTE STORAGE REPORT FORM WAS SUBMITTED TO THE MINISTRY. NO FURTHER ACTION REQUIRED.			
<b>If there are related reports, record initial/master ORIS No. here &gt;&gt;</b>			s.21
<b>Followup Action:</b> Abatement IEB Other <b>BF Date:</b>			
<b>File Closed:</b> X Abatement: IEB Other <b>Suspected Violation:</b>			
<b>Report Prepared By:</b> TOR RUSTAD	<b>Date:</b> 07/24/2001	<b>IEB Investigator:</b>	<b>IEB BF Date</b>
<b>Approving Officer</b> PAUL KEHOE	<b>Date:</b> 07/24/2001	<b>Reviewing Officer:</b>	<b>Date</b>
<b>Specify number(s) for routing Original</b> [ ] [ ] [ ] [ ] [ ]		<b>Continued</b> [ ] <b>Yes</b>	
<b>Specify number(s) for copy distribution</b> [ ] [ ] [ ] [ ] [ ] [ ]			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
<b>SAC Action Class:</b> 1: 2:			

<b>Material 1:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>
<b>Material 2:</b>	<b>Code :</b>
<b>Amount :</b>	<b>UN No.:</b>

Material 3:		Code :
Amount :		UN No.:
Cause.....:		Code.. :
Reason.....:		Code.. :
Person in Control:		Waste GenNum :
Owner.....:		Waste GenNum :
Agencies Involved.....:		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> [N] Other
% Cleaned up:		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X <input checked="" type="checkbox"/>	Regulation 362 <input checked="" type="checkbox"/>	Manifest No.
Waste Class :		Code .. :
Hauler :		Code .. :
Disposal Site :		Code .. :
Environmental Impact:	Nature of Impact:	Code .. :
People/Business Damaged		
(Other than to Owner/Controller) :		
Nature of Damage:		Code .. :

# **Appendix F**

**ERIS Database Summary**



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# DATABASE REPORT

**Project Property:** *600 March Road, Ottawa, Ontario  
600 March Road  
Kanata ON K2K 2T6*

**Project No:** *12566614*

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order No:** *22010600440*

**Requested by:** *GHD Limited*

**Date Completed:** *January 18, 2022*

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# Executive Summary

## **Property Information:**

**Project Property:** 600 March Road, Ottawa, Ontario  
600 March Road Kanata ON K2K 2T6

**Project No:** 12566614

## **Order Information:**

**Order No:** 22010600440  
**Date Requested:** January 6, 2022  
**Requested by:** GHD Limited  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

**Aerial Photographs** Aerials - National Collection  
**City Directory Search** CD - Subject Site plus 250m Radius  
**Land Title Search** Historical Land Title Search  
**Topographic Map** RSC Maps  
**Topographic Map** National Topographic Maps

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	3	3
CA	<i>Certificates of Approval</i>	Y	0	30	30
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	4	4
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	3	3
EBR	<i>Environmental Registry</i>	Y	0	6	6
ECA	<i>Environmental Compliance Approval</i>	Y	0	25	25
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	46	46
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	8	8
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	12	95	107
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	3	3
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	4	62	66
SPL	Ontario Spills	Y	0	6	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	8	8
<b>Total:</b>			16	302	318

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	SCT	NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2E6	NW/0.0	-0.02	<a href="#">66</a>
<a href="#">1</a>	SCT	NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2T6	NW/0.0	-0.02	<a href="#">66</a>
<a href="#">1</a>	SCT	Alcatel Canada Inc.	600 March Rd Kanata ON K2K 2T6	NW/0.0	-0.02	<a href="#">66</a>
<a href="#">1</a>	SCT	Alcatel-Lucent Canada Inc.	600 March Rd Kanata ON K2K 2T6	NW/0.0	-0.02	<a href="#">67</a>
<a href="#">2</a>	GEN	ALCATEL CANADA INC.	600 MARCH ROAD KANATA ON K2K 2E6	NW/0.0	-0.05	<a href="#">67</a>
<a href="#">2</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NW/0.0	-0.05	<a href="#">67</a>
<a href="#">2</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NW/0.0	-0.05	<a href="#">68</a>
<a href="#">2</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NW/0.0	-0.05	<a href="#">68</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev diff (m)</b>	<b>Page Number</b>
<a href="#"><u>2</u></a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NW/0.0	-0.05	<a href="#"><u>68</u></a>
<a href="#"><u>2</u></a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON	NW/0.0	-0.05	<a href="#"><u>69</u></a>
<a href="#"><u>2</u></a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NW/0.0	-0.05	<a href="#"><u>69</u></a>
<a href="#"><u>2</u></a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	NW/0.0	-0.05	<a href="#"><u>70</u></a>
<a href="#"><u>2</u></a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	NW/0.0	-0.05	<a href="#"><u>71</u></a>
<a href="#"><u>2</u></a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NW/0.0	-0.05	<a href="#"><u>72</u></a>
<a href="#"><u>2</u></a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NW/0.0	-0.05	<a href="#"><u>73</u></a>
<a href="#"><u>2</u></a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NW/0.0	-0.05	<a href="#"><u>73</u></a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">3</a>	GEN	Intel of Canada, Ltd.	535 Legget Drive Suite 206 Kanata ON K2K 3B8	E/2.0	-2.14	<a href="#">74</a>
<a href="#">4</a>	GEN	La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	E/2.5	-2.05	<a href="#">75</a>
<a href="#">5</a>	CA	MINTO DEVELOPMENTS INC.	LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	N/12.8	-1.99	<a href="#">75</a>
<a href="#">6</a>	CA	KANATA RESEARCH PARK CORP.	TERRY FOX DR. MARCH RD. KANATA CITY ON	WNW/23.7	1.03	<a href="#">75</a>
<a href="#">6</a>	CA	TAYSHAM INVESTORS INC.	MARCH ROAD, TERRY FOX DR. KANATA CITY ON	WNW/23.7	1.03	<a href="#">76</a>
<a href="#">6</a>	SPL		Terry Fox and March Rd Ottawa ON	WNW/23.7	1.03	<a href="#">76</a>
<a href="#">7</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/27.8	-1.05	<a href="#">76</a>
<a href="#">7</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/27.8	-1.05	<a href="#">77</a>
<a href="#">7</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/27.8	-1.05	<a href="#">78</a>
<a href="#">7</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/27.8	-1.05	<a href="#">79</a>
<a href="#">8</a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/38.7	-1.99	<a href="#">80</a>
<a href="#">8</a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/38.7	-1.99	<a href="#">80</a>



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<a href="#"><u>8</u></a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/38.7	-1.99	<a href="#"><u>81</u></a>
<a href="#"><u>8</u></a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/38.7	-1.99	<a href="#"><u>81</u></a>
<a href="#"><u>8</u></a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/38.7	-1.99	<a href="#"><u>81</u></a>
<a href="#"><u>8</u></a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/38.7	-1.99	<a href="#"><u>81</u></a>
<a href="#"><u>9</u></a>	WWIS		lot 9 con 3 ON <b>Well ID:</b> 1503345	WSW/49.9	1.92	<a href="#"><u>81</u></a>
<a href="#"><u>10</u></a>	EHS		535 Legget Drive Kanata ON K2K 3B8	ENE/60.0	-3.86	<a href="#"><u>84</u></a>
<a href="#"><u>10</u></a>	CA	Nortel Networks Corporation	535 Legget Drive Ottawa ON	ENE/60.0	-3.86	<a href="#"><u>84</u></a>
<a href="#"><u>10</u></a>	CA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON	ENE/60.0	-3.86	<a href="#"><u>84</u></a>
<a href="#"><u>10</u></a>	SCT	Mead Johnson Nutritionals	535 Legget Dr Unit 900 Kanata ON K2K 3B8	ENE/60.0	-3.86	<a href="#"><u>85</u></a>
<a href="#"><u>10</u></a>	SCT	PIKA Technologies Inc.	535 Legget Dr Suite 400 Kanata ON K2K 3B8	ENE/60.0	-3.86	<a href="#"><u>85</u></a>
<a href="#"><u>10</u></a>	SCT	Solace Systems Inc.	535 Legget Dr Floor 3 Kanata ON K2K 3B8	ENE/60.0	-3.86	<a href="#"><u>85</u></a>
<a href="#"><u>10</u></a>	NPRI	KANATA RESEARCH PARK	535 LEGGET Drive KANATA ON K2K3B8	ENE/60.0	-3.86	<a href="#"><u>86</u></a>
<a href="#"><u>10</u></a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	ENE/60.0	-3.86	<a href="#"><u>88</u></a>

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<a href="#">10</a>	ECA	Nortel Networks Corporation	535 Legget Drive Ottawa ON K2H 8E9	ENE/60.0	-3.86	<a href="#">88</a>
<a href="#">10</a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	ENE/60.0	-3.86	<a href="#">89</a>
<a href="#">10</a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	ENE/60.0	-3.86	<a href="#">89</a>
<a href="#">10</a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	ENE/60.0	-3.86	<a href="#">89</a>
<a href="#">11</a>	EHS		700 March Road Ottawa ON	NW/69.7	-0.81	<a href="#">90</a>
<a href="#">12</a>	ECA	Kanata Research Park Corporation	Kanata Research Park Kanata ON K2K 2X3	ENE/70.7	-2.67	<a href="#">90</a>
<a href="#">13</a>	WWIS		lot 9 con 3 ON <b>Well ID:</b> 1510215	W/76.5	2.20	<a href="#">90</a>
<a href="#">14</a>	SCT	CAPRICORN DATA	525 MARCH RD RR 33 KANATA ON K2K 2M5	SW/78.4	1.86	<a href="#">93</a>
<a href="#">14</a>	SCT	Capricorn Data Inc.	525 March Rd Kanata ON K2K 2M5	SW/78.4	1.86	<a href="#">94</a>
<a href="#">15</a>	ECA	Legget Drive Development Inc.	500 March Rd Ottawa ON K1P 6E2	SE/81.0	-1.74	<a href="#">94</a>
<a href="#">15</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/81.0	-1.74	<a href="#">94</a>
<a href="#">16</a>	EHS		510-528 March Road Kanata ON	SE/81.4	-2.05	<a href="#">95</a>
<a href="#">16</a>	EHS		528 March Road Ottawa ON	SE/81.4	-2.05	<a href="#">95</a>

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<a href="#">16</a>	EASR	SCI BROCKVILLE CORP.	528 MARCH KANATA ON	SE/81.4	-2.05	<a href="#">96</a>
<a href="#">16</a>	EASR	SCI BROCKVILLE CORP.	528 MARCH RD KANATA ON K2K 2M5	SE/81.4	-2.05	<a href="#">96</a>
<a href="#">17</a>	GEN	MILLER'S QUALITY DRY CLEANERS	591 MARCH ROAD KANATA ON K2K 2M5	W/89.1	2.20	<a href="#">96</a>
<a href="#">17</a>	EHS		591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">96</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">97</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">97</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">97</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">98</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON	W/89.1	2.20	<a href="#">98</a>
<a href="#">17</a>	EHS		591 March Rd Ottawa ON K2K2M5	W/89.1	2.20	<a href="#">98</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">99</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">99</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">99</a>

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<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">100</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">100</a>
<a href="#">17</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	W/89.1	2.20	<a href="#">100</a>
<a href="#">18</a>	SCT	Texas Instruments Canada Ltd.	505 March Rd Suite 200 Ottawa ON K2K 3A4	S/89.5	0.95	<a href="#">101</a>
<a href="#">18</a>	EHS		505 March Road Ottawa ON	S/89.5	0.95	<a href="#">101</a>
<a href="#">18</a>	SCT	Texas Instruments Canada Ltd.	505 March Rd Suite 200 Kanata ON K2K 3A4	S/89.5	0.95	<a href="#">101</a>
<a href="#">18</a>	SCT	Telus Health Solutions Inc.	505 March Rd Suite 450 Kanata ON K2K 3A4	S/89.5	0.95	<a href="#">101</a>
<a href="#">18</a>	SPL	Colonnade Management<UNOFFICIAL>	505 March Road Ottawa ON K2K 3A4	S/89.5	0.95	<a href="#">102</a>
<a href="#">19</a>	CA	MKB RESTAURANTS (CS) LIMITED	700 MARCH ROAD KANATA CITY ON K2K 2V9	NW/90.9	-1.05	<a href="#">102</a>
<a href="#">19</a>	GEN	RAJANS PHARMACIES LTD.	700 MARCH ROAD KANATA ON K2K 2V9	NW/90.9	-1.05	<a href="#">102</a>
<a href="#">19</a>	SCT	Amika Mobile Corporation	700 March Rd Suite 203 Kanata ON K2K 2V9	NW/90.9	-1.05	<a href="#">103</a>
<a href="#">19</a>	GEN	Kanata North Medical Centre	700 March Rd Kanata ON K2K 2V9	NW/90.9	-1.05	<a href="#">103</a>
<a href="#">20</a>	WWIS		lot 9 con 3 ON	WSW/93.9	2.95	<a href="#">103</a>

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			<b>Well ID:</b> 1503344			
<a href="#">21</a>	BORE		ON	W/95.8	2.99	<a href="#">106</a>
<a href="#">22</a>	SCT	NOKIA IP TELEPHONY CORPORATION	555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	NE/99.2	-1.99	<a href="#">107</a>
<a href="#">22</a>	SCT	NOKIA	555 Legget Dr Suite 400 Kanata ON K2K 2X3	NE/99.2	-1.99	<a href="#">107</a>
<a href="#">22</a>	SCT	March Networks	555 Legget Dr Suite 140 Kanata ON K2K 2X3	NE/99.2	-1.99	<a href="#">108</a>
<a href="#">22</a>	GEN	TELEXIS CORPORATION	555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	NE/99.2	-1.99	<a href="#">108</a>
<a href="#">22</a>	GEN	PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	NE/99.2	-1.99	<a href="#">109</a>
<a href="#">22</a>	GEN	PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	NE/99.2	-1.99	<a href="#">109</a>
<a href="#">22</a>	SCT	March Networks Corporation	555 Legget Dr Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">109</a>
<a href="#">22</a>	SCT	March Networks Corporation	555 Legget Dr Suite 530 Kanata ON K2K 2X3	NE/99.2	-1.99	<a href="#">109</a>
<a href="#">22</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">110</a>
<a href="#">22</a>	SCT	Redirack Storage Systems	555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">110</a>
<a href="#">22</a>	GEN	March Networks	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">111</a>
<a href="#">22</a>	CA	Kanata Research Park Corporation	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">112</a>

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<a href="#">22</a>	SCT	Netistix Technologies Corp	555 Legget Dr Suite 304 Kanata ON K2K 2X3	NE/99.2	-1.99	<a href="#">112</a>
<a href="#">22</a>	SCT	Sch Specialty Literacy/Interve	555 Legget Dr Suite 900 Kanata ON K2K 2X3	NE/99.2	-1.99	<a href="#">112</a>
<a href="#">22</a>	SCT	Redirack Storage Systems	555 Legget Dr Suite 1007 Kanata ON K2K 2X3	NE/99.2	-1.99	<a href="#">112</a>
<a href="#">22</a>	SCT	Mediphan Inc.	555 Legget Dr Suite 305 Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">113</a>
<a href="#">22</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">113</a>
<a href="#">22</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">114</a>
<a href="#">22</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">115</a>
<a href="#">22</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">116</a>
<a href="#">22</a>	NPRI	KANATA RESEARCH PARK	555 LEGGET Drive KANATA ON K2K2X3	NE/99.2	-1.99	<a href="#">116</a>
<a href="#">22</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	NE/99.2	-1.99	<a href="#">119</a>
<a href="#">22</a>	EHS		555 Legget Dr Ottawa ON K2K2X3	NE/99.2	-1.99	<a href="#">120</a>
<a href="#">22</a>	EHS		555 Legget Dr Ottawa ON K2K2X3	NE/99.2	-1.99	<a href="#">120</a>
<a href="#">22</a>	ECA	Kanata Research Park Corporation	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">120</a>



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<a href="#">22</a>	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">120</a>
<a href="#">22</a>	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">121</a>
<a href="#">22</a>	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">122</a>
<a href="#">22</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">123</a>
<a href="#">22</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">124</a>
<a href="#">22</a>	EHS		555 Legget Drive Kanata ON K2K 3B8	NE/99.2	-1.99	<a href="#">125</a>
<a href="#">22</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	NE/99.2	-1.99	<a href="#">125</a>
<a href="#">22</a>	EHS		555 Legget Drive Kanata ON K2K 3B8	NE/99.2	-1.99	<a href="#">126</a>
<a href="#">22</a>	EHS		555 Legget Drive Kanata ON K2K 3B8	NE/99.2	-1.99	<a href="#">126</a>
<a href="#">22</a>	EHS		555 Legget Drive Kanata ON K2K 3B8	NE/99.2	-1.99	<a href="#">126</a>
<a href="#">23</a>	SCT	Trend Micro, Inc.	40 Hines Rd Suite 200 Kanata ON K2K 2M5	SSE/106.7	-1.14	<a href="#">126</a>
<a href="#">23</a>	GEN	KRP Properties	40 Hines Road Ottawa ON K2K 2M5	SSE/106.7	-1.14	<a href="#">127</a>
<a href="#">24</a>	SCT	Open Text Corporation	515 Legget Dr Suite 300 Kanata ON K2K 3G4	E/107.7	-3.19	<a href="#">127</a>

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<a href="#">24</a>	SCT	Ubiquity Software Corp.	515 Legget Dr Suite 400 Ottawa ON K2K 3G4	E/107.7	-3.19	<a href="#">127</a>
<a href="#">24</a>	SPL	Kanata Research Park Corporation	515 Legget drive Ottawa ON	E/107.7	-3.19	<a href="#">127</a>
<a href="#">24</a>	CA	Kanata Research Park Corporation	515 Legget Drive Ottawa ON	E/107.7	-3.19	<a href="#">128</a>
<a href="#">24</a>	SCT	Quest Software Canada Inc.	515 Legget Dr Suite 1001 Kanata ON K2K 3G4	E/107.7	-3.19	<a href="#">128</a>
<a href="#">24</a>	HINC		515 LEGGET DRIVE KANATA ON	E/107.7	-3.19	<a href="#">128</a>
<a href="#">24</a>	EHS		515 Legget Drive Ottawa ON	E/107.7	-3.19	<a href="#">129</a>
<a href="#">24</a>	NPRI	KANATA RESEARCH PARK	515 LEGGET Drive KANATA ON K2K3G4	E/107.7	-3.19	<a href="#">129</a>
<a href="#">24</a>	EHS		515 Legget Dr Ottawa ON K2K3G4	E/107.7	-3.19	<a href="#">131</a>
<a href="#">24</a>	ECA	Kanata Research Park Corporation	515 Legget Drive Ottawa ON K2K 2X3	E/107.7	-3.19	<a href="#">132</a>
<a href="#">25</a>	EHS		525 Legget Drive Ottawa (Formerly Kanata) ON K2K 2W2	ENE/119.0	-4.75	<a href="#">132</a>
<a href="#">25</a>	ECA	Legget Drive Development Inc.	515 and 525 Legget Dr Ottawa ON K1P 6E2	ENE/119.0	-4.75	<a href="#">132</a>
<a href="#">26</a>	EHS		70 Hines Rd. Kanata ON K2K 2M5	SSW/119.6	1.95	<a href="#">132</a>
<a href="#">26</a>	CA	2117547 Ontario Inc.	70 Hines Rd Ottawa ON	SSW/119.6	1.95	<a href="#">133</a>

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<a href="#">26</a>	ECA	2117547 Ontario Inc.	70 Hines Rd Ottawa ON K2V 1B8	SSW/119.6	1.95	<a href="#">133</a>
<a href="#">26</a>	SPL	Rogers Communications Inc.	70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	SSW/119.6	1.95	<a href="#">133</a>
<a href="#">27</a>	EHS		80 Hines Road n/a ON K2K 2T8	SSW/119.7	2.67	<a href="#">134</a>
<a href="#">27</a>	GEN	AMCC	80 Hines Rd. Kanata ON K2K 2T8	SSW/119.7	2.67	<a href="#">134</a>
<a href="#">28</a>	SCT	ROHDE & SCHWARZ CANADA	555 MARCH RD KANATA ON K2K 2M5	WSW/121.8	2.99	<a href="#">134</a>
<a href="#">28</a>	SCT	TEKTRONIX CANADA INC.	555 MARCH RD KANATA ON K2K 2M5	WSW/121.8	2.99	<a href="#">135</a>
<a href="#">28</a>	SCT	Rohde & Schwarz Canada Inc.	555 March Rd Kanata ON K2K 2M5	WSW/121.8	2.99	<a href="#">135</a>
<a href="#">28</a>	SCT	Locality	555 March Rd Kanata ON K2K 2M5	WSW/121.8	2.99	<a href="#">135</a>
<a href="#">28</a>	SCT	Local City Inc.	555 March Rd Kanata ON K2K 2M5	WSW/121.8	2.99	<a href="#">135</a>
<a href="#">28</a>	SCT	ASAP-CD Solutions	555 March Rd Ottawa ON K2K 2M5	WSW/121.8	2.99	<a href="#">136</a>
<a href="#">28</a>	EHS		555 March Road Ottawa (Kanata) ON	WSW/121.8	2.99	<a href="#">136</a>
<a href="#">29</a>	CA	NEWBRIDGE NETWORKS CORP. - 8-4051-90	603 MARCH ROAD (8-4053-90) KANATA CITY ON K2K 2M5	W/135.6	2.88	<a href="#">136</a>
<a href="#">29</a>	CA	NEWBRIDGE NETWORKS CORP. 8-4052-90	603 MARCH ROAD KANATA CITY ON K2K 2M5	W/135.6	2.88	<a href="#">137</a>

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<a href="#">29</a>	CA	NEWBRIDGE NETWORKS CORP. - 8-4053-90	603 MARCH ROAD (8-4051-90) KANATA CITY ON K2K 2M5	W/135.6	2.88	<a href="#">137</a>
<a href="#">29</a>	CA	NEWBRIDGE NETWORKS CORP. - 8-4052-90	603 MARCH ROAD (8-4054-90) KANATA CITY ON K2K 2M5	W/135.6	2.88	<a href="#">137</a>
<a href="#">29</a>	SCT	TUNDRA SEMICONDUCTORS CORPORAT	603 MARCH RD KANATA ON K2K 2M5	W/135.6	2.88	<a href="#">138</a>
<a href="#">29</a>	SCT	Tundra Semiconductor Corp	603 March Rd Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">138</a>
<a href="#">29</a>	CA		603 March Road Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">138</a>
<a href="#">29</a>	GEN	TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	W/135.6	2.88	<a href="#">138</a>
<a href="#">29</a>	GEN	TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	W/135.6	2.88	<a href="#">139</a>
<a href="#">29</a>	GEN	TRILLIUM TELEPHONE SYSTEMS INC. 38-102	603 MARCH ROAD KANATA ON K2K 2M5	W/135.6	2.88	<a href="#">139</a>
<a href="#">29</a>	GEN	TRILLIUM TELEPHONE (OUT OF BUS)	603 MARCH ROAD KANATA ON K2K 2M5	W/135.6	2.88	<a href="#">139</a>
<a href="#">29</a>	GEN	NEWBRIDGE NETWORKS CORPORATION 28-807	603 MARCH ROAD C/O 600 MARCH RD., P.O.BOX 13600 KANATA ON K2K 2M5	W/135.6	2.88	<a href="#">140</a>
<a href="#">29</a>	GEN	Tundra Semiconductor Corporation	603 March Road Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">140</a>
<a href="#">29</a>	SCT	IDT Canada	603 March Rd Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">140</a>
<a href="#">29</a>	EHS		603 March Road Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">140</a>

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<a href="#">29</a>	EHS		603 March Road Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">141</a>
<a href="#">29</a>	EHS		603 March Road Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">141</a>
<a href="#">29</a>	EHS		603 March Road Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">141</a>
<a href="#">29</a>	EHS		603 March Rd Kanata ON K2K 2M5	W/135.6	2.88	<a href="#">141</a>
<a href="#">30</a>	ECA	D.I.R. Investments Inc.	Ottawa ON K0A 1A0	WSW/141.1	3.80	<a href="#">141</a>
<a href="#">31</a>	GEN	Broccolini Construction Ottawa Inc.	515 Legget Drive Ottawa ON K2K 3G4	ESE/152.1	-4.05	<a href="#">142</a>
<a href="#">32</a>	SCT	EXCALIBUR SYSTEMS LTD.	50 Hines Rd Kanata ON K2K 2M5	S/155.3	0.95	<a href="#">142</a>
<a href="#">32</a>	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	S/155.3	0.95	<a href="#">142</a>
<a href="#">32</a>	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	S/155.3	0.95	<a href="#">143</a>
<a href="#">32</a>	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	S/155.3	0.95	<a href="#">143</a>
<a href="#">32</a>	SCT	DRS EW & Network Systems	50 Hines Rd Kanata ON K2K 2M5	S/155.3	0.95	<a href="#">143</a>
<a href="#">32</a>	SCT	WorkDynamics Technologies	50 Hines Rd Suite 220 Kanata ON K2K 2M5	S/155.3	0.95	<a href="#">143</a>
<a href="#">32</a>	EBR	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	S/155.3	0.95	<a href="#">144</a>

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<a href="#">32</a>	SCT	Power Integrations Canada Inc.	50 Hines Rd Suite 240 Kanata ON K2K 2M5	S/155.3	0.95	<a href="#">144</a>
<a href="#">32</a>	SCT	OneChip Photonics Inc.	50 Hines Rd Suite 200 Kanata ON K2K 2M5	S/155.3	0.95	<a href="#">144</a>
<a href="#">32</a>	EBR	Cyrium Technologies Incorporated	50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	S/155.3	0.95	<a href="#">145</a>
<a href="#">32</a>	CA	Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	S/155.3	0.95	<a href="#">145</a>
<a href="#">32</a>	CA	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON	S/155.3	0.95	<a href="#">145</a>
<a href="#">32</a>	SCT	Merge Healthcare Incorporated	50 Hines Rd Suite 120 Kanata ON K2K 2M5	S/155.3	0.95	<a href="#">146</a>
<a href="#">32</a>	GEN	GaN Systems Inc.	50 Hines road, suite 204 Ottawa ON	S/155.3	0.95	<a href="#">146</a>
<a href="#">32</a>	ECA	Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	S/155.3	0.95	<a href="#">146</a>
<a href="#">32</a>	ECA	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON K2K 2M5	S/155.3	0.95	<a href="#">147</a>
<a href="#">33</a>	EHS		595 March Road, Block E Kanata ON	W/165.4	3.02	<a href="#">147</a>
<a href="#">34</a>	SCT	TeleWatch Monitoring Services	84 Hines Rd Suite 130 Kanata ON K2K 3G3	SSW/169.0	2.92	<a href="#">147</a>
<a href="#">34</a>	GEN	Metconnex Inc.	84 Hines Road Suite 260 Ottawa ON	SSW/169.0	2.92	<a href="#">147</a>
<a href="#">34</a>	SCT	Sidense Corp.	84 Hines Rd Suite 260 Kanata ON K2K 3G3	SSW/169.0	2.92	<a href="#">148</a>



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<a href="#">34</a>	GEN	Skyworks Solutions (Test Lab)	84 Hines Rd, Suite 100 Kanata ON K2K 3G3	SSW/169.0	2.92	<a href="#">148</a>
<a href="#">34</a>	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	SSW/169.0	2.92	<a href="#">148</a>
<a href="#">34</a>	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	SSW/169.0	2.92	<a href="#">149</a>
<a href="#">34</a>	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	SSW/169.0	2.92	<a href="#">149</a>
<a href="#">35</a>	SCT	INSTANTEL INC.	362 TERRY FOX DR KANATA ON K2K 2P5	NNE/169.3	-6.50	<a href="#">149</a>
<a href="#">35</a>	SCT	Coyle Publishing Inc.	362 Terry Fox Dr Suite 220 Kanata ON K2K 2P5	NNE/169.3	-6.50	<a href="#">150</a>
<a href="#">36</a>	CA	WILLIAM S. BURNSIDE (CANADA) LIMITED	88 HINES ROAD (SWM) KANATA ON K2K 2T8	SW/173.5	3.95	<a href="#">150</a>
<a href="#">36</a>	SCT	Flexus Electronics Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SW/173.5	3.95	<a href="#">150</a>
<a href="#">36</a>	SCT	Flexus Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SW/173.5	3.95	<a href="#">150</a>
<a href="#">36</a>	GEN	Telemus Inc.	88 Hines Road Ottawa ON K2K 2T8	SW/173.5	3.95	<a href="#">151</a>
<a href="#">36</a>	SCT	Telemus Inc.	88 Hines Rd Kanata ON K2K 2T8	SW/173.5	3.95	<a href="#">151</a>
<a href="#">36</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON	SW/173.5	3.95	<a href="#">151</a>
<a href="#">36</a>	SCT	Ultra Electronics	88 Hines Rd Kanata ON K2K 2T8	SW/173.5	3.95	<a href="#">152</a>

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<a href="#">36</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	SW/173.5	3.95	<a href="#">152</a>
<a href="#">36</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	SW/173.5	3.95	<a href="#">153</a>
<a href="#">36</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	SW/173.5	3.95	<a href="#">153</a>
<a href="#">36</a>	GEN	ULTRA ELECTRONICS	88 HINES RD OTTAWA ON K2K2T8	SW/173.5	3.95	<a href="#">154</a>
<a href="#">36</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2B8	SW/173.5	3.95	<a href="#">154</a>
<a href="#">37</a>	GEN	Ultra Electronics Canada Defence Inc.	88 Hines Road Ottawa ON	SW/173.7	3.95	<a href="#">155</a>
<a href="#">37</a>	GEN	Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	SW/173.7	3.95	<a href="#">155</a>
<a href="#">37</a>	GEN	Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	SW/173.7	3.95	<a href="#">156</a>
<a href="#">38</a>	WWIS		591 MARCH ROAD lot 9 con 3 KANATA ON <b>Well ID:</b> 7151742	WSW/179.6	3.89	<a href="#">157</a>
<a href="#">39</a>	BORE		ON	SSE/189.5	-1.02	<a href="#">160</a>
<a href="#">40</a>	WWIS		lot 8 con 3 ON <b>Well ID:</b> 1503343	SSE/189.6	-1.02	<a href="#">161</a>
<a href="#">41</a>	WWIS		3001 SOLANDT RD. KANATA ON <b>Well ID:</b> 7296271	SE/191.0	-2.36	<a href="#">164</a>
<a href="#">42</a>	EHS		706, 710, and 714 March Road Ottawa ON K2K 2R9	NW/196.1	-1.02	<a href="#">172</a>

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<a href="#">43</a>	EHS		710 March Road Kanata ON K2K 2V9	NW/199.2	-1.11	<a href="#">172</a>
<a href="#">44</a>	EHS		495 and 505 March Road and 11, 40, 50, 80 and 84 Hines Road, Ottawa, Ontario Kanata ON K2K	S/200.0	0.25	<a href="#">172</a>
<a href="#">45</a>	SCT	VOLEX CAPULUM INC.	360 TERRY FOX DR KANATA ON K2K 2P5	NNE/202.7	-8.05	<a href="#">173</a>
<a href="#">45</a>	SCT	VOLEX CANADA INC.	360 Terry Fox Dr Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">173</a>
<a href="#">45</a>	SCT	Sciometric Instruments Inc	360 Terry Fox Dr Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">173</a>
<a href="#">45</a>	CA	Kanata Research Park Corporation	360 Terry Fox Drive Ottawa ON	NNE/202.7	-8.05	<a href="#">174</a>
<a href="#">45</a>	SCT	Filtran Limited	360 Terry Fox Dr Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">174</a>
<a href="#">45</a>	SCT	Emcon Emanation Control Ltd.	360 Terry Fox Dr Nepean ON K2E	NNE/202.7	-8.05	<a href="#">174</a>
<a href="#">45</a>	EBR	Filtran Limited	360 Terry Fox Drive Ottawa CITY OF OTTAWA ON	NNE/202.7	-8.05	<a href="#">175</a>
<a href="#">45</a>	GEN	Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">175</a>
<a href="#">45</a>	GEN	Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">175</a>
<a href="#">45</a>	GEN	Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">176</a>

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<a href="#">45</a>	GEN	Filtran Ltd	360 Terry Fox Dr. Kanata ON	NNE/202.7	-8.05	<a href="#">176</a>
<a href="#">45</a>	ECA	Kanata Research Park Corporation	360 Terry Fox Drive Ottawa ON K2K 2X3	NNE/202.7	-8.05	<a href="#">177</a>
<a href="#">45</a>	GEN	Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">177</a>
<a href="#">45</a>	GEN	Artaflex Ottawa Inc.	360 Terry Fox Drive Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">178</a>
<a href="#">45</a>	EHS		360 Terry Fox Drive Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">178</a>
<a href="#">45</a>	GEN	Artaflex Ottawa Inc.	360 Terry Fox Drive Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">178</a>
<a href="#">45</a>	GEN	Artaflex Ottawa Inc.	360 Terry Fox Drive Kanata ON K2K 2P5	NNE/202.7	-8.05	<a href="#">178</a>
<a href="#">46</a>	CA	NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA CITY ON K2K 2E7	NE/207.8	-6.07	<a href="#">179</a>
<a href="#">46</a>	SCT	ELCOMBE SYSTEMS LIMITED	359 TERRY FOX DR KANATA ON K2K 2E7	NE/207.8	-6.07	<a href="#">179</a>
<a href="#">46</a>	CA		359 Terry Fox Drive Kanata ON K2K 2E7	NE/207.8	-6.07	<a href="#">179</a>
<a href="#">46</a>	GEN	NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA ON K2K 2E7	NE/207.8	-6.07	<a href="#">179</a>
<a href="#">46</a>	GEN	NEWBRIDGE NETWORKS CORPORATION 28-523	359 TERRY FOX DRIVE KANATA ON K2K 2E7	NE/207.8	-6.07	<a href="#">180</a>
<a href="#">46</a>	EHS		359 Terry Fox Drive Ottawa ON	NE/207.8	-6.07	<a href="#">180</a>

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<a href="#">46</a>	EBR	Smart Technologies Inc.	359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa ON	NE/207.8	-6.07	<a href="#">180</a>
<a href="#">46</a>	EHS		359 Terry Fox Drive Ottawa ON	NE/207.8	-6.07	<a href="#">181</a>
<a href="#">46</a>	GEN	Smart Technologies Inc	359 Terry Fox Drive - North Kanata ON	NE/207.8	-6.07	<a href="#">181</a>
<a href="#">46</a>	CA	Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON	NE/207.8	-6.07	<a href="#">182</a>
<a href="#">46</a>	CA	Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON	NE/207.8	-6.07	<a href="#">182</a>
<a href="#">46</a>	SCT	Sciometric Instruments Inc.	359 Terry Fox Dr Kanata ON K2K 2E7	NE/207.8	-6.07	<a href="#">182</a>
<a href="#">46</a>	SCT	Pleora Technologies Inc.	359 Terry Fox Dr Unit 230 Kanata ON K2K 2E7	NE/207.8	-6.07	<a href="#">183</a>
<a href="#">46</a>	ECA	Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON K2K 2E7	NE/207.8	-6.07	<a href="#">183</a>
<a href="#">46</a>	ECA	Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON K2K 2X3	NE/207.8	-6.07	<a href="#">183</a>
<a href="#">46</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NE/207.8	-6.07	<a href="#">184</a>
<a href="#">46</a>	GEN	Public Health Agency of Canada - Kanata	359 Terry Fox Drive Kanata ON K2K2E7	NE/207.8	-6.07	<a href="#">184</a>
<a href="#">46</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NE/207.8	-6.07	<a href="#">184</a>
<a href="#">46</a>	GEN	Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	NE/207.8	-6.07	<a href="#">185</a>

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<a href="#">46</a>	GEN	Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	NE/207.8	-6.07	<a href="#">185</a>
<a href="#">46</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NE/207.8	-6.07	<a href="#">186</a>
<a href="#">47</a>	SCT	SR TELECOM	425 LEGGET DR KANATA ON K2K 2W2	ESE/209.2	-2.94	<a href="#">186</a>
<a href="#">47</a>	EHS		425 Legget Dr Kanata ON K2K 2W2	ESE/209.2	-2.94	<a href="#">186</a>
<a href="#">47</a>	GEN	SR TELECOM INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	ESE/209.2	-2.94	<a href="#">187</a>
<a href="#">47</a>	GEN	C-MAC KANATA INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	ESE/209.2	-2.94	<a href="#">187</a>
<a href="#">47</a>	GEN	C-MAC KANATA INC.	425 LEGETT DRIVE KANATA ON K2K 2W2	ESE/209.2	-2.94	<a href="#">187</a>
<a href="#">47</a>	GEN	C-MAC ELCTRONIC SYSTEM INC., SOLECTRON COMPANY	425 LEGETT DRIVE KANATA ON	ESE/209.2	-2.94	<a href="#">188</a>
<a href="#">47</a>	SCT	Solectron EMS Canada	425 Legget Dr Kanata ON K2K 2W2	ESE/209.2	-2.94	<a href="#">189</a>
<a href="#">47</a>	EHS		425 Legget Drive Ottawa ON	ESE/209.2	-2.94	<a href="#">189</a>
<a href="#">47</a>	EASR	AVAYA CANADA CORP	425 LEGGET DRIVE OTTAWA ON K2K 2W2	ESE/209.2	-2.94	<a href="#">189</a>
<a href="#">47</a>	ECA	425 Legget Drive Property GP Inc.	425 Legget Dr Ottawa ON	ESE/209.2	-2.94	<a href="#">189</a>
<a href="#">47</a>	EHS		425 Legget Drive Kanata ON K2K 3C9	ESE/209.2	-2.94	<a href="#">190</a>



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<a href="#">47</a>	EHS		425 Legget Drive Kanata ON K2K 3C9	ESE/209.2	-2.94	<a href="#">190</a>
<a href="#">47</a>	EHS		425 Legget Drive Kanata ON K2K 3C9	ESE/209.2	-2.94	<a href="#">190</a>
<a href="#">47</a>	EHS		425 Legget Drive Kanata ON K2K 3C9	ESE/209.2	-2.94	<a href="#">190</a>
<a href="#">48</a>	BORE		ON	W/216.8	3.86	<a href="#">190</a>
<a href="#">49</a>	WWIS		lot 9 con 3 ON <b>Well ID:</b> 1503346	W/216.8	3.86	<a href="#">192</a>
<a href="#">50</a>	CA	COLONNADE DEVELOPMENT INC.	60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	SSW/217.9	1.98	<a href="#">194</a>
<a href="#">50</a>	CA	COLONNADE DEVELOPMENT INC.	SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	SSW/217.9	1.98	<a href="#">194</a>
<a href="#">51</a>	EHS		370-450 Huntmar Drive Ottawa ON	ESE/219.5	-2.97	<a href="#">195</a>
<a href="#">52</a>	CA	LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	SE/235.2	-2.08	<a href="#">195</a>
<a href="#">52</a>	CA	LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	SE/235.2	-2.08	<a href="#">195</a>
<a href="#">52</a>	SCT	LOCKHEED MARTIN CANADA INC	3001 SOLANDT RD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">195</a>
<a href="#">52</a>	SCT	Lockheed Martin Canada Inc.	3001 Solandt Rd Kanata ON K2K 2M8	SE/235.2	-2.08	<a href="#">196</a>
<a href="#">52</a>	CA		3001 Solandt Road Kanata ON K2K 2M8	SE/235.2	-2.08	<a href="#">196</a>

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<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">196</a>
<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">197</a>
<a href="#">52</a>	EBR	Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON K2K 2M8	SE/235.2	-2.08	<a href="#">198</a>
<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">198</a>
<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">199</a>
<a href="#">52</a>	GEN	MORGUARD INVESTMENTS LTD.	3001 SOLANDT STREET KANATA ON	SE/235.2	-2.08	<a href="#">200</a>
<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">200</a>
<a href="#">52</a>	EBR	Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA ON	SE/235.2	-2.08	<a href="#">201</a>
<a href="#">52</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON	SE/235.2	-2.08	<a href="#">201</a>
<a href="#">52</a>	EHS		3001 Solandt Road Kanata ON	SE/235.2	-2.08	<a href="#">201</a>
<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON	SE/235.2	-2.08	<a href="#">202</a>
<a href="#">52</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	SE/235.2	-2.08	<a href="#">202</a>
<a href="#">52</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Road Kanata ON K2K 2M8	SE/235.2	-2.08	<a href="#">203</a>

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<a href="#">52</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	SE/235.2	-2.08	<a href="#">203</a>
<a href="#">52</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/235.2	-2.08	<a href="#">203</a>
<a href="#">52</a>	GEN	Morguard Investments	3001 Solandt Rd Kanata ON K2K 3M8	SE/235.2	-2.08	<a href="#">204</a>
<a href="#">53</a>	WWIS		O HINES DRIVE KANATA ON <b>Well ID: 7218163</b>	W/243.3	4.95	<a href="#">204</a>
<a href="#">54</a>	CA		495 March Road Kanata ON K2K 3G1	SSE/244.3	-1.14	<a href="#">208</a>
<a href="#">54</a>	SCT	Dinmar Consulting Inc.	495 March Rd Suite 400 Kanata ON K2K 3G1	SSE/244.3	-1.14	<a href="#">208</a>
<a href="#">54</a>	SCT	Halogen Software	495 March Rd Suite 500 Ottawa ON K2K 3G1	SSE/244.3	-1.14	<a href="#">209</a>
<a href="#">54</a>	CA	Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON	SSE/244.3	-1.14	<a href="#">209</a>
<a href="#">54</a>	SCT	OneChip Photonics Inc.	495 March Rd Suite 200 Kanata ON K2K 3G1	SSE/244.3	-1.14	<a href="#">209</a>
<a href="#">54</a>	SCT	Halogen Software	495 March Rd Suite 500 Kanata ON K2K 3G1	SSE/244.3	-1.14	<a href="#">210</a>
<a href="#">54</a>	EHS		495 March Rd Ottawa ON K2K3G1	SSE/244.3	-1.14	<a href="#">210</a>
<a href="#">54</a>	ECA	Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON K2K 3G1	SSE/244.3	-1.14	<a href="#">210</a>
<a href="#">54</a>	ECA	E-Cruiter.com Inc.	495 March Road Kanata ON K2K 3G1	SSE/244.3	-1.14	<a href="#">210</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">55</a>	FSTH	964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	WNW/247.1	-1.05	<a href="#">211</a>
<a href="#">55</a>	SPL		21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Ottawa ON K2L 1A1	WNW/247.1	-1.05	<a href="#">211</a>
<a href="#">55</a>	FSTH	964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	WNW/247.1	-1.05	<a href="#">212</a>
<a href="#">55</a>	CA	Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON	WNW/247.1	-1.05	<a href="#">212</a>
<a href="#">55</a>	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA ON K2K 2R9	WNW/247.1	-1.05	<a href="#">213</a>
<a href="#">55</a>	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">213</a>
<a href="#">55</a>	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">214</a>
<a href="#">55</a>	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">214</a>
<a href="#">55</a>	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">215</a>
<a href="#">55</a>	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">215</a>
<a href="#">55</a>	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">216</a>
<a href="#">55</a>	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">216</a>
<a href="#">55</a>	SPL	Shell Station<UNOFFICIAL>	720 March Rd Ottawa ON	WNW/247.1	-1.05	<a href="#">216</a>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">55</a>	ECA	Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON M2N 6Y2	WNW/247.1	-1.05	<a href="#">216</a>
<a href="#">55</a>	FST	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">216</a>
<a href="#">55</a>	FST		720 MARCH RD KANATA ON K2K 2R9	WNW/247.1	-1.05	<a href="#">217</a>
<a href="#">55</a>	FST	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">217</a>
<a href="#">55</a>	FST	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	WNW/247.1	-1.05	<a href="#">218</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	95.8	<a href="#"><u>21</u></a>
	ON	189.5	<a href="#"><u>39</u></a>
	ON	216.8	<a href="#"><u>48</u></a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 30 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
MINTO DEVELOPMENTS INC.	LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	12.8	<a href="#"><u>5</u></a>
TAYSHAM INVESTORS INC.	MARCH ROAD, TERRY FOX DR. KANATA CITY ON	23.7	<a href="#"><u>6</u></a>
KANATA RESEARCH PARK CORP.	TERRY FOX DR. MARCH RD. KANATA CITY ON	23.7	<a href="#"><u>6</u></a>
Nortel Networks Corporation	535 Legget Drive Ottawa ON	60.0	<a href="#"><u>10</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON	60.0	<a href="#"><u>10</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
MKB RESTAURANTS (CS) LIMITED	700 MARCH ROAD KANATA CITY ON K2K 2V9	90.9	<a href="#"><u>19</u></a>
Kanata Research Park Corporation	555 Legget Drive Ottawa ON	99.2	<a href="#"><u>22</u></a>
Kanata Research Park Corporation	515 Legget Drive Ottawa ON	107.7	<a href="#"><u>24</u></a>
2117547 Ontario Inc.	70 Hines Rd Ottawa ON	119.6	<a href="#"><u>26</u></a>
NEWBRIDGE NETWORKS CORP. - 8-4051-90	603 MARCH ROAD (8-4053-90) KANATA CITY ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
NEWBRIDGE NETWORKS CORP. 8-4052-90	603 MARCH ROAD KANATA CITY ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
NEWBRIDGE NETWORKS CORP. - 8-4053-90	603 MARCH ROAD (8-4051-90) KANATA CITY ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
NEWBRIDGE NETWORKS CORP. - 8-4052-90	603 MARCH ROAD (8-4054-90) KANATA CITY ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
	603 March Road Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	155.3	<a href="#"><u>32</u></a>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON	155.3	<a href="#"><u>32</u></a>



<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
WILLIAM S. BURNSIDE (CANADA) LIMITED	88 HINES ROAD (SWM) KANATA ON K2K 2T8	173.5	<a href="#">36</a>
Kanata Research Park Corporation	360 Terry Fox Drive Ottawa ON	202.7	<a href="#">45</a>
NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA CITY ON K2K 2E7	207.8	<a href="#">46</a>
	359 Terry Fox Drive Kanata ON K2K 2E7	207.8	<a href="#">46</a>
Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON	207.8	<a href="#">46</a>
Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON	207.8	<a href="#">46</a>
COLONNADE DEVELOPMENT INC.	60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	217.9	<a href="#">50</a>
COLONNADE DEVELOPMENT INC.	SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	217.9	<a href="#">50</a>
LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	235.2	<a href="#">52</a>
LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	235.2	<a href="#">52</a>
	3001 Solandt Road Kanata ON K2K 2M8	235.2	<a href="#">52</a>
	495 March Road Kanata ON K2K 3G1	244.3	<a href="#">54</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON	244.3	<a href="#">54</a>
Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON	247.1	<a href="#">55</a>

### **DTNK - Delisted Fuel Tanks**

A search of the DTNK database, dated May 31, 2021 has found that there are 4 DTNK site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA ON K2K 2R9	247.1	<a href="#">55</a>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>

### **EASR - Environmental Activity and Sector Registry**

A search of the EASR database, dated Oct 2011- Nov 30, 2021 has found that there are 3 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SCI BROCKVILLE CORP.	528 MARCH KANATA ON	81.4	<a href="#">16</a>
SCI BROCKVILLE CORP.	528 MARCH RD KANATA ON K2K 2M5	81.4	<a href="#">16</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
AVAYA CANADA CORP	425 LEGGET DRIVE OTTAWA ON K2K 2W2	209.2	<a href="#">47</a>

### **EBR - Environmental Registry**

A search of the EBR database, dated 1994 - Dec 31, 2021 has found that there are 6 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Cyrium Technologies Incorporated	50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	155.3	<a href="#">32</a>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	155.3	<a href="#">32</a>
Filtran Limited	360 Terry Fox Drive Ottawa CITY OF OTTAWA ON	202.7	<a href="#">45</a>
Smart Technologies Inc.	359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa ON	207.8	<a href="#">46</a>
Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON K2K 2M8	235.2	<a href="#">52</a>
Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA ON	235.2	<a href="#">52</a>

### **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011- Nov 30, 2021 has found that there are 25 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	60.0	<a href="#">10</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Nortel Networks Corporation	535 Legget Drive Ottawa ON K2H 8E9	60.0	<a href="#"><u>10</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	60.0	<a href="#"><u>10</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	60.0	<a href="#"><u>10</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	60.0	<a href="#"><u>10</u></a>
Kanata Research Park Corporation	Kanata Research Park Kanata ON K2K 2X3	70.7	<a href="#"><u>12</u></a>
Legget Drive Development Inc.	500 March Rd Ottawa ON K1P 6E2	81.0	<a href="#"><u>15</u></a>
Kanata Research Park Corporation	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Kanata Research Park Corporation	515 Legget Drive Ottawa ON K2K 2X3	107.7	<a href="#"><u>24</u></a>
Legget Drive Development Inc.	515 and 525 Legget Dr Ottawa ON K1P 6E2	119.0	<a href="#"><u>25</u></a>
2117547 Ontario Inc.	70 Hines Rd Ottawa ON K2V 1B8	119.6	<a href="#"><u>26</u></a>
D.I.R. Investments Inc.	Ottawa ON K0A 1A0	141.1	<a href="#"><u>30</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	155.3	<a href="#"><u>32</u></a>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON K2K 2M5	155.3	<a href="#"><u>32</u></a>
Kanata Research Park Corporation	360 Terry Fox Drive Ottawa ON K2K 2X3	202.7	<a href="#"><u>45</u></a>
Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON K2K 2E7	207.8	<a href="#"><u>46</u></a>
Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON K2K 2X3	207.8	<a href="#"><u>46</u></a>
425 Legget Drive Property GP Inc.	425 Legget Dr Ottawa ON	209.2	<a href="#"><u>47</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON	235.2	<a href="#"><u>52</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Road Kanata ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON K2K 3G1	244.3	<a href="#"><u>54</u></a>
E-Cruiter.com Inc.	495 March Road Kanata ON K2K 3G1	244.3	<a href="#"><u>54</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON M2N 6Y2	247.1	<a href="#">55</a>

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 46 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	535 Legget Drive Kanata ON K2K 3B8	38.7	<a href="#">8</a>
	535 Legget Drive Kanata ON K2K 3B8	38.7	<a href="#">8</a>
	535 Legget Drive Kanata ON K2K 3B8	38.7	<a href="#">8</a>
	535 Legget Drive Kanata ON K2K 3B8	38.7	<a href="#">8</a>
	535 Legget Drive Kanata ON K2K 3B8	38.7	<a href="#">8</a>
	535 Legget Drive Kanata ON K2K 3B8	38.7	<a href="#">8</a>
	535 Legget Drive Kanata ON K2K 3B8	60.0	<a href="#">10</a>
	700 March Road Ottawa ON	69.7	<a href="#">11</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	510-528 March Road Kanata ON	81.4	<a href="#"><u>16</u></a>
	528 March Road Ottawa ON	81.4	<a href="#"><u>16</u></a>
	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
	591 March Rd Ottawa ON K2K2M5	89.1	<a href="#"><u>17</u></a>
	505 March Road Ottawa ON	89.5	<a href="#"><u>18</u></a>
	555 Legget Dr Ottawa ON K2K2X3	99.2	<a href="#"><u>22</u></a>
	555 Legget Dr Ottawa ON K2K2X3	99.2	<a href="#"><u>22</u></a>
	555 Legget Drive Kanata ON K2K 3B8	99.2	<a href="#"><u>22</u></a>
	555 Legget Drive Kanata ON K2K 3B8	99.2	<a href="#"><u>22</u></a>
	555 Legget Drive Kanata ON K2K 3B8	99.2	<a href="#"><u>22</u></a>
	555 Legget Drive Kanata ON K2K 3B8	99.2	<a href="#"><u>22</u></a>
	515 Legget Drive Ottawa ON	107.7	<a href="#"><u>24</u></a>



<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	515 Legget Dr Ottawa ON K2K3G4	107.7	<a href="#"><u>24</u></a>
	525 Legget Drive Ottawa (Formerly Kanata) ON K2K 2W2	119.0	<a href="#"><u>25</u></a>
	70 Hines Rd. Kanata ON K2K 2M5	119.6	<a href="#"><u>26</u></a>
	80 Hines Road n/a ON K2K 2T8	119.7	<a href="#"><u>27</u></a>
	555 March Road Ottawa (Kanata) ON	121.8	<a href="#"><u>28</u></a>
	603 March Road Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
	603 March Road Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
	603 March Road Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
	603 March Road Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
	603 March Rd Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
	595 March Road, Block E Kanata ON	165.4	<a href="#"><u>33</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	706, 710, and 714 March Road Ottawa ON K2K 2R9	196.1	<a href="#">42</a>
	710 March Road Kanata ON K2K 2V9	199.2	<a href="#">43</a>
	495 and 505 March Road and 11, 40, 50, 80 and 84 Hines Road, Ottawa, Ontario Kanata ON K2K	200.0	<a href="#">44</a>
	360 Terry Fox Drive Kanata ON K2K 2P5	202.7	<a href="#">45</a>
	359 Terry Fox Drive Ottawa ON	207.8	<a href="#">46</a>
	359 Terry Fox Drive Ottawa ON	207.8	<a href="#">46</a>
	425 Legget Dr Kanata ON K2K 2W2	209.2	<a href="#">47</a>
	425 Legget Drive Ottawa ON	209.2	<a href="#">47</a>
	425 Legget Drive Kanata ON K2K 3C9	209.2	<a href="#">47</a>
	425 Legget Drive Kanata ON K2K 3C9	209.2	<a href="#">47</a>
	425 Legget Drive Kanata ON K2K 3C9	209.2	<a href="#">47</a>
	425 Legget Drive Kanata ON K2K 3C9	209.2	<a href="#">47</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	370-450 Huntmar Drive Ottawa ON	219.5	<a href="#">51</a>
	3001 Solandt Road Kanata ON	235.2	<a href="#">52</a>
	495 March Rd Ottawa ON K2K3G1	244.3	<a href="#">54</a>

### **FST - Fuel Storage Tank**

A search of the FST database, dated May 31, 2021 has found that there are 8 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	247.1	<a href="#">55</a>
	720 MARCH RD KANATA ON K2K 2R9	247.1	<a href="#">55</a>

### **FSTH - Fuel Storage Tank - Historic**

A search of the FSTH database, dated Pre-Jan 2010\* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	247.1	<a href="#">55</a>
964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	247.1	<a href="#">55</a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Nov 30, 2021 has found that there are 107 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ALCATEL CANADA INC.	600 MARCH ROAD KANATA ON K2K 2E6	0.0	<a href="#">2</a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	0.0	<a href="#">2</a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	0.0	<a href="#">2</a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	0.0	<a href="#">2</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	0.0	<a href="#"><u>2</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON	0.0	<a href="#"><u>2</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	0.0	<a href="#"><u>2</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	0.0	<a href="#"><u>2</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	0.0	<a href="#"><u>2</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	0.0	<a href="#"><u>2</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	0.0	<a href="#"><u>2</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	0.0	<a href="#"><u>2</u></a>
Intel of Canada, Ltd.	535 Legget Drive Suite 206 Kanata ON K2K 3B8	2.0	<a href="#"><u>3</u></a>
La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	2.5	<a href="#"><u>4</u></a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	27.8	<a href="#"><u>7</u></a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	27.8	<a href="#"><u>7</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	27.8	<a href="#"><u>7</u></a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	27.8	<a href="#"><u>7</u></a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	81.0	<a href="#"><u>15</u></a>
MILLER'S QUALITY DRY CLEANERS	591 MARCH ROAD KANATA ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#"><u>17</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#">17</a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#">17</a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#">17</a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	89.1	<a href="#">17</a>
RAJANS PHARMACIES LTD.	700 MARCH ROAD KANATA ON K2K 2V9	90.9	<a href="#">19</a>
Kanata North Medical Centre	700 March Rd Kanata ON K2K 2V9	90.9	<a href="#">19</a>
TELEXIS CORPORATION	555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	99.2	<a href="#">22</a>
PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	99.2	<a href="#">22</a>
PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	99.2	<a href="#">22</a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	99.2	<a href="#">22</a>
March Networks	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#">22</a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	99.2	<a href="#">22</a>



<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	99.2	<a href="#"><u>22</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	99.2	<a href="#"><u>22</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	99.2	<a href="#"><u>22</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	99.2	<a href="#"><u>22</u></a>
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
KRP Properties	40 Hines Road Ottawa ON K2K 2M5	106.7	<a href="#"><u>23</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
AMCC	80 Hines Rd. Kanata ON K2K 2T8	119.7	<a href="#">27</a>
TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	135.6	<a href="#">29</a>
TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	135.6	<a href="#">29</a>
TRILLIUM TELEPHONE SYSTEMS INC. 38-102	603 MARCH ROAD KANATA ON K2K 2M5	135.6	<a href="#">29</a>
TRILLIUM TELEPHONE (OUT OF BUS)	603 MARCH ROAD KANATA ON K2K 2M5	135.6	<a href="#">29</a>
NEWBRIDGE NETWORKS CORPORATION 28-807	603 MARCH ROAD C/O 600 MARCH RD., P. O.BOX 13600 KANATA ON K2K 2M5	135.6	<a href="#">29</a>
Tundra Semiconductor Corporation	603 March Road Kanata ON K2K 2M5	135.6	<a href="#">29</a>
Broccolini Construction Ottawa Inc.	515 Legget Drive Ottawa ON K2K 3G4	152.1	<a href="#">31</a>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	155.3	<a href="#">32</a>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	155.3	<a href="#">32</a>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	155.3	<a href="#">32</a>
GaN Systems Inc.	50 Hines road, suite 204 Ottawa ON	155.3	<a href="#">32</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Metconnex Inc.	84 Hines Road Suite 260 Ottawa ON	169.0	<a href="#"><u>34</u></a>
Skyworks Solutions (Test Lab)	84 Hines Rd, Suite 100 Kanata ON K2K 3G3	169.0	<a href="#"><u>34</u></a>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	169.0	<a href="#"><u>34</u></a>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	169.0	<a href="#"><u>34</u></a>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	169.0	<a href="#"><u>34</u></a>
Telemus Inc.	88 Hines Road Ottawa ON K2K 2T8	173.5	<a href="#"><u>36</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON	173.5	<a href="#"><u>36</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	173.5	<a href="#"><u>36</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	173.5	<a href="#"><u>36</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	173.5	<a href="#"><u>36</u></a>
ULTRA ELECTRONICS	88 HINES RD OTTAWA ON K2K2T8	173.5	<a href="#"><u>36</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2B8	173.5	<a href="#"><u>36</u></a>
Ultra Electronics Canada Defence Inc.	88 Hines Road Ottawa ON	173.7	<a href="#"><u>37</u></a>
Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	173.7	<a href="#"><u>37</u></a>
Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	173.7	<a href="#"><u>37</u></a>
Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>
Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>
Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>
Filtran Ltd	360 Terry Fox Dr. Kanata ON	202.7	<a href="#"><u>45</u></a>
Filtran Ltd	360 Terry Fox Dr. Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>
Artaflex Ottawa Inc.	360 Terry Fox Drive Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>
Artaflex Ottawa Inc.	360 Terry Fox Drive Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>
Artaflex Ottawa Inc.	360 Terry Fox Drive Kanata ON K2K 2P5	202.7	<a href="#"><u>45</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA ON K2K 2E7	207.8	<a href="#">46</a>
NEWBRIDGE NETWORKS CORPORATION 28-523	359 TERRY FOX DRIVE KANATA ON K2K 2E7	207.8	<a href="#">46</a>
Smart Technologies Inc	359 Terry Fox Drive - North Kanata ON	207.8	<a href="#">46</a>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	207.8	<a href="#">46</a>
Public Health Agency of Canada - Kanata	359 Terry Fox Drive Kanata ON K2K2E7	207.8	<a href="#">46</a>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	207.8	<a href="#">46</a>
Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	207.8	<a href="#">46</a>
Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	207.8	<a href="#">46</a>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	207.8	<a href="#">46</a>
SR TELECOM INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	209.2	<a href="#">47</a>
C-MAC KANATA INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	209.2	<a href="#">47</a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
C-MAC KANATA INC.	425 LEGETT DRIVE KANATA ON K2K 2W2	209.2	<a href="#"><u>47</u></a>
C-MAC ELCTRONIC SYSTEM INC., SOLELECTRON COMPANY	425 LEGETT DRIVE KANATA ON	209.2	<a href="#"><u>47</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
MORGUARD INVESTMENTS LTD.	3001 SOLANDT STREET KANATA ON	235.2	<a href="#"><u>52</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON	235.2	<a href="#"><u>52</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
Morguard Investments	3001 Solandt Rd Kanata ON K2K 3M8	235.2	<a href="#"><u>52</u></a>

## **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	515 LEGGET DRIVE KANATA ON	107.7	<a href="#"><u>24</u></a>

## **NPRI - National Pollutant Release Inventory**

A search of the NPRI database, dated 1993-May 2017 has found that there are 3 NPRI site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
KANATA RESEARCH PARK	535 LEGGET Drive KANATA ON K2K3B8	60.0	<a href="#"><u>10</u></a>
KANATA RESEARCH PARK	555 LEGGET Drive KANATA ON K2K2X3	99.2	<a href="#"><u>22</u></a>
KANATA RESEARCH PARK	515 LEGGET Drive KANATA ON K2K3G4	107.7	<a href="#"><u>24</u></a>

## **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011\* has found that there are 66 SCT site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2E6	0.0	<a href="#"><u>1</u></a>
NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2T6	0.0	<a href="#"><u>1</u></a>
Alcatel Canada Inc.	600 March Rd Kanata ON K2K 2T6	0.0	<a href="#"><u>1</u></a>



<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Alcatel-Lucent Canada Inc.	600 March Rd Kanata ON K2K 2T6	0.0	<a href="#"><u>1</u></a>
Mead Johnson Nutritionals	535 Legget Dr Unit 900 Kanata ON K2K 3B8	60.0	<a href="#"><u>10</u></a>
PIKA Technologies Inc.	535 Legget Dr Suite 400 Kanata ON K2K 3B8	60.0	<a href="#"><u>10</u></a>
Solace Systems Inc.	535 Legget Dr Floor 3 Kanata ON K2K 3B8	60.0	<a href="#"><u>10</u></a>
CAPRICORN DATA	525 MARCH RD RR 33 KANATA ON K2K 2M5	78.4	<a href="#"><u>14</u></a>
Capricorn Data Inc.	525 March Rd Kanata ON K2K 2M5	78.4	<a href="#"><u>14</u></a>
Texas Instruments Canada Ltd.	505 March Rd Suite 200 Ottawa ON K2K 3A4	89.5	<a href="#"><u>18</u></a>
Texas Instruments Canada Ltd.	505 March Rd Suite 200 Kanata ON K2K 3A4	89.5	<a href="#"><u>18</u></a>
Telus Health Solutions Inc.	505 March Rd Suite 450 Kanata ON K2K 3A4	89.5	<a href="#"><u>18</u></a>
Amika Mobile Corporation	700 March Rd Suite 203 Kanata ON K2K 2V9	90.9	<a href="#"><u>19</u></a>
NOKIA IP TELEPHONY CORPORATION	555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
NOKIA	555 Legget Dr Suite 400 Kanata ON K2K 2X3	99.2	<a href="#"><u>22</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
March Networks	555 Legget Dr Suite 140 Kanata ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
March Networks Corporation	555 Legget Dr Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
March Networks Corporation	555 Legget Dr Suite 530 Kanata ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Redirack Storage Systems	555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Netistix Technologies Corp	555 Legget Dr Suite 304 Kanata ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Sch Specialty Literacy/Interve	555 Legget Dr Suite 900 Kanata ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Redirack Storage Systems	555 Legget Dr Suite 1007 Kanata ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Mediphan Inc.	555 Legget Dr Suite 305 Ottawa ON K2K 2X3	99.2	<a href="#"><u>22</u></a>
Trend Micro, Inc.	40 Hines Rd Suite 200 Kanata ON K2K 2M5	106.7	<a href="#"><u>23</u></a>
Open Text Corporation	515 Legget Dr Suite 300 Kanata ON K2K 3G4	107.7	<a href="#"><u>24</u></a>
Ubiquity Software Corp.	515 Legget Dr Suite 400 Ottawa ON K2K 3G4	107.7	<a href="#"><u>24</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Quest Software Canada Inc.	515 Legget Dr Suite 1001 Kanata ON K2K 3G4	107.7	<a href="#"><u>24</u></a>
ROHDE & SCHWARZ CANADA	555 MARCH RD KANATA ON K2K 2M5	121.8	<a href="#"><u>28</u></a>
TEKTRONIX CANADA INC.	555 MARCH RD KANATA ON K2K 2M5	121.8	<a href="#"><u>28</u></a>
Rohde & Schwarz Canada Inc.	555 March Rd Kanata ON K2K 2M5	121.8	<a href="#"><u>28</u></a>
Locality	555 March Rd Kanata ON K2K 2M5	121.8	<a href="#"><u>28</u></a>
Local City Inc.	555 March Rd Kanata ON K2K 2M5	121.8	<a href="#"><u>28</u></a>
ASAP-CD Solutions	555 March Rd Ottawa ON K2K 2M5	121.8	<a href="#"><u>28</u></a>
TUNDRA SEMICONDUCTORS CORPORAT	603 MARCH RD KANATA ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
Tundra Semiconductor Corp	603 March Rd Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
IDT Canada	603 March Rd Kanata ON K2K 2M5	135.6	<a href="#"><u>29</u></a>
WorkDynamics Technologies	50 Hines Rd Suite 220 Kanata ON K2K 2M5	155.3	<a href="#"><u>32</u></a>
Power Integrations Canada Inc.	50 Hines Rd Suite 240 Kanata ON K2K 2M5	155.3	<a href="#"><u>32</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
OneChip Photonics Inc.	50 Hines Rd Suite 200 Kanata ON K2K 2M5	155.3	<a href="#"><u>32</u></a>
Merge Healthcare Incorporated	50 Hines Rd Suite 120 Kanata ON K2K 2M5	155.3	<a href="#"><u>32</u></a>
EXCALIBUR SYSTEMS LTD.	50 Hines Rd Kanata ON K2K 2M5	155.3	<a href="#"><u>32</u></a>
DRS EW & Network Systems	50 Hines Rd Kanata ON K2K 2M5	155.3	<a href="#"><u>32</u></a>
TeleWatch Monitoring Services	84 Hines Rd Suite 130 Kanata ON K2K 3G3	169.0	<a href="#"><u>34</u></a>
Sidense Corp.	84 Hines Rd Suite 260 Kanata ON K2K 3G3	169.0	<a href="#"><u>34</u></a>
INSTANTEL INC.	362 TERRY FOX DR KANATA ON K2K 2P5	169.3	<a href="#"><u>35</u></a>
Coyle Publishing Inc.	362 Terry Fox Dr Suite 220 Kanata ON K2K 2P5	169.3	<a href="#"><u>35</u></a>
Flexus Electronics Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	173.5	<a href="#"><u>36</u></a>
Flexus Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	173.5	<a href="#"><u>36</u></a>
Telemus Inc.	88 Hines Rd Kanata ON K2K 2T8	173.5	<a href="#"><u>36</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
Ultra Electronics	88 Hines Rd Kanata ON K2K 2T8	173.5	<a href="#">36</a>
VOLEX CAPULUM INC.	360 TERRY FOX DR KANATA ON K2K 2P5	202.7	<a href="#">45</a>
VOLEX CANADA INC.	360 Terry Fox Dr Kanata ON K2K 2P5	202.7	<a href="#">45</a>
Sciometric Instruments Inc	360 Terry Fox Dr Kanata ON K2K 2P5	202.7	<a href="#">45</a>
Filtran Limited	360 Terry Fox Dr Kanata ON K2K 2P5	202.7	<a href="#">45</a>
Emcon Emanation Control Ltd.	360 Terry Fox Dr Nepean ON K2E	202.7	<a href="#">45</a>
ELCOMBE SYSTEMS LIMITED	359 TERRY FOX DR KANATA ON K2K 2E7	207.8	<a href="#">46</a>
Sciometric Instruments Inc.	359 Terry Fox Dr Kanata ON K2K 2E7	207.8	<a href="#">46</a>
Pleora Technologies Inc.	359 Terry Fox Dr Unit 230 Kanata ON K2K 2E7	207.8	<a href="#">46</a>
SR TELECOM	425 LEGGET DR KANATA ON K2K 2W2	209.2	<a href="#">47</a>
Solectron EMS Canada	425 Legget Dr Kanata ON K2K 2W2	209.2	<a href="#">47</a>
LOCKHEED MARTIN CANADA INC	3001 SOLANDT RD KANATA ON K2K 2M8	235.2	<a href="#">52</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Lockheed Martin Canada Inc.	3001 Solandt Rd Kanata ON K2K 2M8	235.2	<a href="#"><u>52</u></a>
Dinmar Consulting Inc.	495 March Rd Suite 400 Kanata ON K2K 3G1	244.3	<a href="#"><u>54</u></a>
Halogen Software	495 March Rd Suite 500 Ottawa ON K2K 3G1	244.3	<a href="#"><u>54</u></a>
OneChip Photonics Inc.	495 March Rd Suite 200 Kanata ON K2K 3G1	244.3	<a href="#"><u>54</u></a>
Halogen Software	495 March Rd Suite 500 Kanata ON K2K 3G1	244.3	<a href="#"><u>54</u></a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Sep 2020 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	Terry Fox and March Rd Ottawa ON	23.7	<a href="#"><u>6</u></a>
Colonnade Management<UNOFFICIAL>	505 March Road Ottawa ON K2K 3A4	89.5	<a href="#"><u>18</u></a>
Kanata Research Park Corporation	515 Legget drive Ottawa ON	107.7	<a href="#"><u>24</u></a>
Rogers Communications Inc.	70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	119.6	<a href="#"><u>26</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Ottawa ON K2L 1A1	247.1	<a href="#">55</a>
Shell Station<UNOFFICIAL>	720 March Rd Ottawa ON	247.1	<a href="#">55</a>

## **WWIS - Water Well Information System**

A search of the WWIS database, dated Apr 30, 2021 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 9 con 3 ON  <i>Well ID:</i> 1503345	49.9	<a href="#">9</a>
	lot 9 con 3 ON  <i>Well ID:</i> 1510215	76.5	<a href="#">13</a>
	lot 9 con 3 ON  <i>Well ID:</i> 1503344	93.9	<a href="#">20</a>
	591 MARCH ROAD lot 9 con 3 KANATA ON  <i>Well ID:</i> 7151742	179.6	<a href="#">38</a>
	lot 8 con 3 ON  <i>Well ID:</i> 1503343	189.6	<a href="#">40</a>
	3001 SOLANDT RD. KANATA ON  <i>Well ID:</i> 7296271	191.0	<a href="#">41</a>
	lot 9 con 3 ON  <i>Well ID:</i> 1503346	216.8	<a href="#">49</a>
	O HINES DRIVE KANATA ON	243.3	<a href="#">53</a>



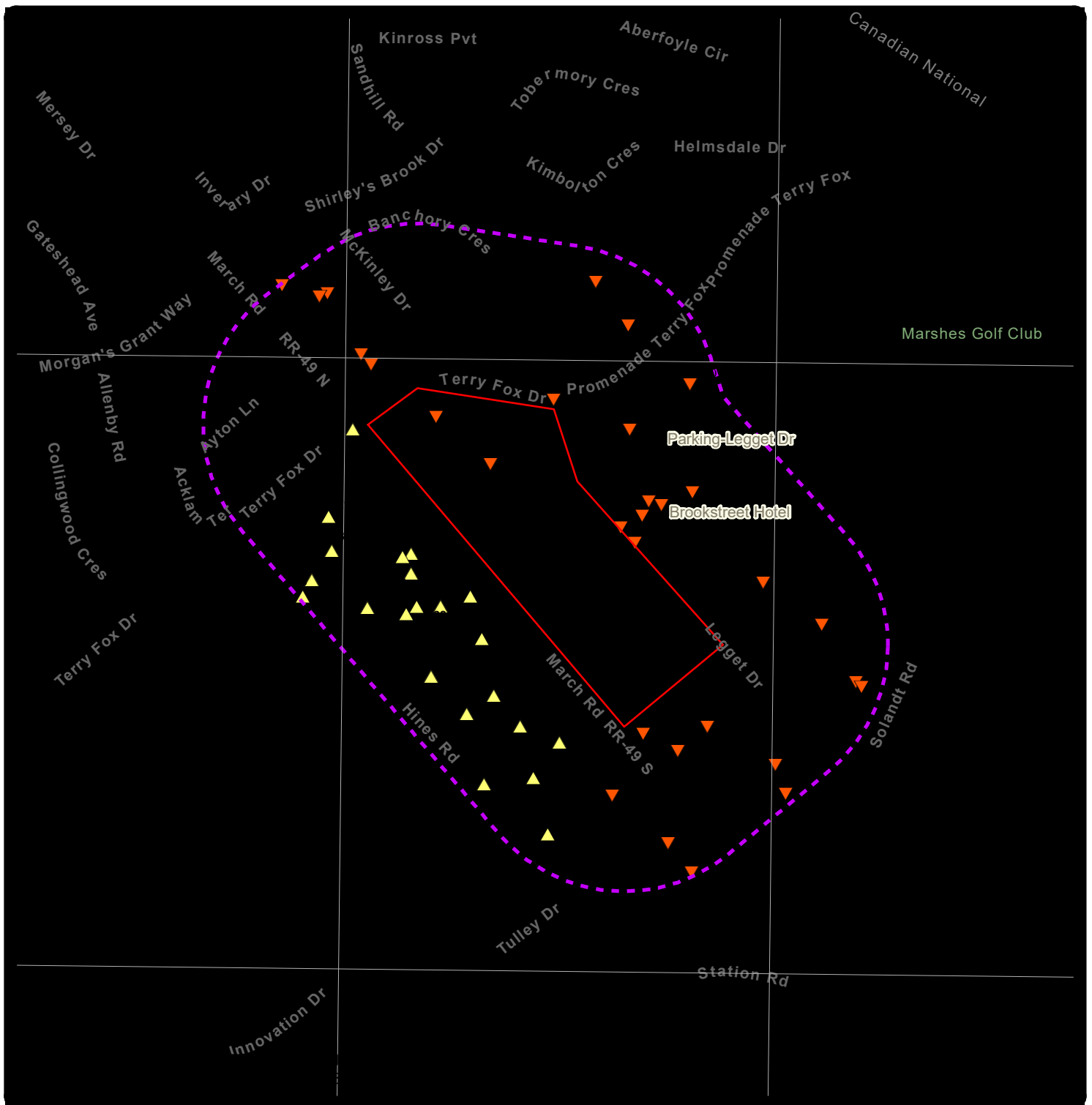
**Site**

**Address**

**Distance (m)**

**Map Key**

*Well ID: 7218163*



### Map: 0.25 Kilometer Radius

Order Number: 22010600440

Address: 600 March Road, Kanata, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	Hospital



75°55'30"W

45°21'N

45°21'N



250 125 0 250 m

1:10000

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Aerial** Year: 2020

Order Number: 22010600440

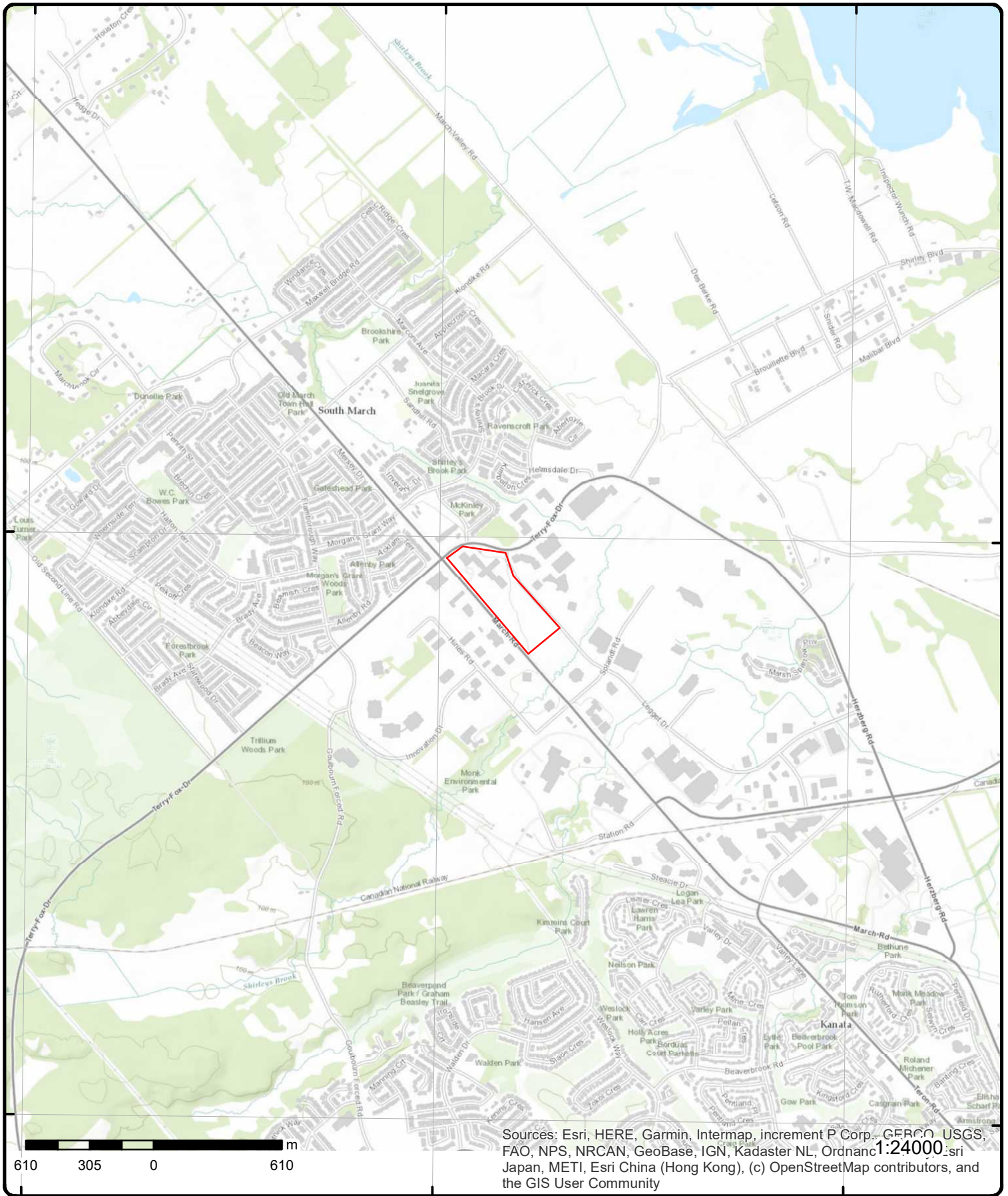
**Address: 600 March Road, Kanata, ON**



Source: ESRI World Imagery

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# Topographic Map

Address: 600 March Road, ON

Source: ESRI World Topographic Map

Order Number: 22010600440



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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">1</a>	1 of 4	NW/0.0	81.9 / -0.02	NEWBRIDGE NETWORK CORPORATION 600 MARCH RD KANATA ON K2K 2E6	SCT
<b>Established:</b> 1986 <b>Plant Size (ft²):</b> 95000 <b>Employment:</b> 3000					
<b>--Details--</b>					
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">1</a>	2 of 4	NW/0.0	81.9 / -0.02	NEWBRIDGE NETWORK CORPORATION 600 MARCH RD KANATA ON K2K 2T6	SCT
<b>Established:</b> 1986 <b>Plant Size (ft²):</b> 95000 <b>Employment:</b> 1800					
<b>--Details--</b>					
<b>Description:</b>		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3679			
<a href="#">1</a>	3 of 4	NW/0.0	81.9 / -0.02	Alcatel Canada Inc. 600 March Rd Kanata ON K2K 2T6	SCT
<b>Established:</b> 1986 <b>Plant Size (ft²):</b> 95000 <b>Employment:</b> 000					
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Telephone Apparatus Manufacturing			
<b>SIC/NAICS Code:</b>		334210			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	4 of 4	NW/0.0	81.9 / -0.02	Alcatel-Lucent Canada Inc. 600 March Rd Kanata ON K2K 2T6	SCT
<b>Established:</b>		01-JUN-86			
<b>Plant Size (ft²):</b>		95000			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Telephone Apparatus Manufacturing			
<b>SIC/NAICS Code:</b>		334210			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			

<u>2</u>	1 of 12	NW/0.0	81.9 / -0.05	ALCATEL CANADA INC. 600 MARCH ROAD KANATA ON K2K 2E6	GEN
<b>Generator No:</b>		ON0044812		<b>Status:</b>	
<b>SIC Code:</b>		3351		<b>Co Admin:</b>	
<b>SIC Description:</b>		TELECOMMUNICATIONS		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		00,01,02,03,04,05,06,07,08		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			

<u>2</u>	2 of 12	NW/0.0	81.9 / -0.05	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812		<b>Status:</b>	
<b>SIC Code:</b>		513390		<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2009		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<a href="#">2</a>	3 of 12	NW/0.0	81.9 / -0.05	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812		<b>Status:</b>	
<b>SIC Code:</b>		513390		<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2010		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<a href="#">2</a>	4 of 12	NW/0.0	81.9 / -0.05	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812		<b>Status:</b>	
<b>SIC Code:</b>		513390		<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2011		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">2</a>	5 of 12	NW/0.0	81.9 / -0.05	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812		<b>Status:</b>	
<b>SIC Code:</b>		513390		<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2012		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			

<a href="#"><u>2</u></a>	6 of 12	NW/0.0	81.9 / -0.05	ALCATEL CANADA INC. 600 March Road Kanata ON	GEN
<b>Generator No:</b>	ON0044812			<b>Status:</b>	
<b>SIC Code:</b>	513390			<b>Co Admin:</b>	
<b>SIC Description:</b>	OTHER TELECOMMUNICATIONS			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2013			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	

<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		242			
<b>Waste Class Desc:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			

<a href="#"><u>2</u></a>	7 of 12	NW/0.0	81.9 / -0.05	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
<b>Generator No:</b>	ON0044812			<b>Status:</b>	
<b>SIC Code:</b>	513390			<b>Co Admin:</b>	
<b>SIC Description:</b>	OTHER TELECOMMUNICATIONS			<b>Choice of Contact:</b>	CO_OFFICIAL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

**Detail(s)**

Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS

2      8 of 12      NW/0.0      81.9 / -0.05      **ALCATEL CANADA INC.**  
600 March Road      **GEN**  
Kanata ON K2K 2E6

Generator No:	ON0044812	Status:	
SIC Code:	513390	Co Admin:	
SIC Description:	OTHER TELECOMMUNICATIONS	Choice of Contact:	CO_OFFICIAL
Approval Years:	2015	Phone No Admin:	
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

**Detail(s)**

Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		242			
<b>Waste Class Desc:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			

2      9 of 12      *NW/0.0*      81.9 / -0.05      **ALCATEL CANADA INC.**  
600 March Road      **GEN**  
Kanata ON K2K 2E6

<b>Generator No:</b>	ON0044812	<b>Status:</b>	
<b>SIC Code:</b>	513390	<b>Co Admin:</b>	
<b>SIC Description:</b>	OTHER TELECOMMUNICATIONS	<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2014	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

**Detail(s)**

<b>Waste Class:</b>	242
<b>Waste Class Desc:</b>	HALOGENATED PESTICIDES
<b>Waste Class:</b>	146
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS
<b>Waste Class:</b>	212
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS
<b>Waste Class:</b>	252
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS
<b>Waste Class:</b>	121
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS
<b>Waste Class:</b>	263
<b>Waste Class Desc:</b>	ORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	331
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES
<b>Waste Class:</b>	148
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			

<a href="#">2</a>	10 of 12	NW/0.0	81.9 / -0.05	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
<b>Generator No:</b>	ON0044812			<b>Status:</b>	Registered
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	112 C
<b>Waste Class Desc:</b>	Acid solutions - containing heavy metals
<b>Waste Class:</b>	121 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals
<b>Waste Class:</b>	122 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing other metals and non-metals (not cyanide)
<b>Waste Class:</b>	146 R
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	146 T
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	148 B
<b>Waste Class Desc:</b>	Misc. wastes and inorganic chemicals
<b>Waste Class:</b>	148 I
<b>Waste Class Desc:</b>	Misc. wastes and inorganic chemicals
<b>Waste Class:</b>	212 I
<b>Waste Class Desc:</b>	Aliphatic solvents and residues
<b>Waste Class:</b>	212 L
<b>Waste Class Desc:</b>	Aliphatic solvents and residues
<b>Waste Class:</b>	213 I
<b>Waste Class Desc:</b>	Petroleum distillates
<b>Waste Class:</b>	242 A
<b>Waste Class Desc:</b>	Halogenated pesticides and herbicides
<b>Waste Class:</b>	252 L
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants
<b>Waste Class:</b>	263 I
<b>Waste Class Desc:</b>	Misc. waste organic chemicals
<b>Waste Class:</b>	331 I
<b>Waste Class Desc:</b>	Waste compressed gases including cylinders
<b>Waste Class:</b>	145 I
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">2</a>	11 of 12	NW/0.0	81.9 / -0.05	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
<b>Generator No:</b>	ON0044812			<b>Status:</b>	Registered
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Jul 2020			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b>Detail(s)</b>					
<b>Waste Class:</b>	145 I				
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints				
<b>Waste Class:</b>	242 A				
<b>Waste Class Desc:</b>	Halogenated pesticides and herbicides				
<b>Waste Class:</b>	148 I				
<b>Waste Class Desc:</b>	Misc. wastes and inorganic chemicals				
<b>Waste Class:</b>	331 I				
<b>Waste Class Desc:</b>	Waste compressed gases including cylinders				
<b>Waste Class:</b>	146 R				
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids				
<b>Waste Class:</b>	212 L				
<b>Waste Class Desc:</b>	Aliphatic solvents and residues				
<b>Waste Class:</b>	112 C				
<b>Waste Class Desc:</b>	Acid solutions - containing heavy metals				
<b>Waste Class:</b>	263 I				
<b>Waste Class Desc:</b>	Misc. waste organic chemicals				
<b>Waste Class:</b>	252 L				
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants				
<b>Waste Class:</b>	146 T				
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids				
<b>Waste Class:</b>	121 C				
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals				
<b>Waste Class:</b>	122 C				
<b>Waste Class Desc:</b>	Alkaline slutions - containing other metals and non-metals (not cyanide)				
<b>Waste Class:</b>	148 B				
<b>Waste Class Desc:</b>	Misc. wastes and inorganic chemicals				
<b>Waste Class:</b>	212 I				
<b>Waste Class Desc:</b>	Aliphatic solvents and residues				
<b>Waste Class:</b>	213 I				
<b>Waste Class Desc:</b>	Petroleum distillates				
<a href="#">2</a>	12 of 12	NW/0.0	81.9 / -0.05	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>	ON0044812  As of Jan 2021  Canada			<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	Registered
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>	122 C Alkaline slutions - containing other metals and non-metals (not cyanide)				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	263 I Misc. waste organic chemicals				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	212 L Aliphatic solvents and residues				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	146 R Other specified inorganic sludges, slurries or solids				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	213 I Petroleum distillates				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	112 C Acid solutions - containing heavy metals				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	148 I Misc. wastes and inorganic chemicals				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	145 I Wastes from the use of pigments, coatings and paints				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	148 B Misc. wastes and inorganic chemicals				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	212 I Aliphatic solvents and residues				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	146 T Other specified inorganic sludges, slurries or solids				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	252 L Waste crankcase oils and lubricants				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	242 A Halogenated pesticides and herbicides				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	121 C Alkaline slutions - containing heavy metals				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	331 I Waste compressed gases including cylinders				
<b>3</b>	1 of 1	<b>E/2.0</b>	<b>79.8 / -2.14</b>	<b>Intel of Canada, Ltd.</b> <b>535 Legget Drive Suite 206</b> <b>Kanata ON K2K 3B8</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>	ON6268256  As of Nov 2021  Canada			<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	Registered

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 I			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		331 I			
<b>Waste Class Desc:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		145 I			
<b>Waste Class Desc:</b>		Wastes from the use of pigments, coatings and paints			

<u>4</u>	1 of 1	E/2.5	79.9 / -2.05	<b>La Vie Medial Inc. 525 Legget Dr. Suite 150 Kanata ON K2K2W2</b>	<b>GEN</b>
<b>Generator No:</b>	ON8874529			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Nov 2021			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	

<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312 P			
<b>Waste Class Desc:</b>		Pathological wastes			

<u>5</u>	1 of 1	N/12.8	79.9 / -1.99	<b>MINTO DEVELOPMENTS INC. LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON</b>	<b>CA</b>
<b>Certificate #:</b>	3-0976-95-				
<b>Application Year:</b>	95				
<b>Issue Date:</b>	7/20/1995				
<b>Approval Type:</b>	Municipal sewage				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

<u>6</u>	1 of 3	WNW/23.7	83.0 / 1.03	<b>KANATA RESEARCH PARK CORP. TERRY FOX DR. MARCH RD. KANATA CITY ON</b>	<b>CA</b>
<b>Certificate #:</b>	3-1115-87-				
<b>Application Year:</b>	87				
<b>Issue Date:</b>	7/13/1987				
<b>Approval Type:</b>	Municipal sewage				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">6</a>	2 of 3	WNW/23.7	83.0 / 1.03	TAYSHAM INVESTORS INC. MARCH ROAD, TERRY FOX DR. KANATA CITY ON	CA
<b>Certificate #:</b>		7-1085-88-			
<b>Application Year:</b>		88			
<b>Issue Date:</b>		7/18/1988			
<b>Approval Type:</b>		Municipal water			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">6</a>	3 of 3	WNW/23.7	83.0 / 1.03	Terry Fox and March Rd Ottawa ON	SPL
<b>Ref No:</b>	2401-88VMDH			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	
<b>Incident Dt:</b>				<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>				<b>Sector Type:</b>	
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	15			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	OIL (PETROLEUM BASED, NOT SPECIFIED)			<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>				<b>Site Municipality:</b>	
<b>Nature of Impact:</b>				<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>	No Field Response			<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	9/1/2010			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>				<b>SAC Action Class:</b>	Watercourse Spills
<b>Incident Reason:</b>				<b>Source Type:</b>	
<b>Site Name:</b>	Terry Fox Extension<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	30 L's of Engine Oil to Terry Fox Rd Extension - Kanata.				
<b>Contaminant Qty:</b>	30 L				
<a href="#">7</a>	1 of 4	SE/27.8	80.9 / -1.05	Sanmina Corporation 500 March Road Ottawa ON K2K 0J9	GEN
<b>Generator No:</b>	ON5466737			<b>Status:</b>	
<b>SIC Code:</b>	334410			<b>Co Admin:</b>	Emma Mason
<b>SIC Description:</b>	SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING			<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2016			<b>Phone No Admin:</b>	613-886-6192 Ext.
<b>PO Box No:</b>				<b>Contam. Facility:</b>	No

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	No
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		262			
<b>Waste Class Desc:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		312			
<b>Waste Class Desc:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			

<u>7</u>	2 of 4	SE/27.8	80.9 / -1.05	Sanmina Corporation 500 March Road Ottawa ON K2K 0J9	GEN
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<b>Generator No:</b>	ON5466737	<b>Status:</b>	
<b>SIC Code:</b>	334410	<b>Co Admin:</b>	Jessica Major
<b>SIC Description:</b>	SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING	<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2015	<b>Phone No Admin:</b>	613-886-6328 Ext.
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

**Detail(s)**

<b>Waste Class:</b>	112
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS
<b>Waste Class:</b>	121
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		262			
<b>Waste Class Desc:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		312			
<b>Waste Class Desc:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			

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3 of 4

SE/27.8

80.9 / -1.05

Sanmina Corporation  
500 March Road  
Ottawa ON K2K 0J9

GEN

<b>Generator No:</b>	ON5466737	<b>Status:</b>	Registered
<b>SIC Code:</b>		<b>Co Admin:</b>	
<b>SIC Description:</b>		<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	

Detail(s)

<b>Waste Class:</b>	112 C
<b>Waste Class Desc:</b>	Acid solutions - containing heavy metals
<b>Waste Class:</b>	121 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals
<b>Waste Class:</b>	145 I
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints
<b>Waste Class:</b>	146 R
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	146 T
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	148 B
<b>Waste Class Desc:</b>	Misc. wastes and inorganic chemicals

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class:</b>		148 C			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		148 T			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Desc:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		212 L			
<b>Waste Class Desc:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		232 I			
<b>Waste Class Desc:</b>		Polymeric resins			
<b>Waste Class:</b>		252 L			
<b>Waste Class Desc:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		253 L			
<b>Waste Class Desc:</b>		Emulsified oils			
<b>Waste Class:</b>		262 T			
<b>Waste Class Desc:</b>		Detergents and soaps			
<b>Waste Class:</b>		263 C			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		263 I			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		263 L			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		312 P			
<b>Waste Class Desc:</b>		Pathological wastes			
<b>Waste Class:</b>		331 I			
<b>Waste Class Desc:</b>		Waste compressed gases including cylinders			

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SE/27.8

80.9 / -1.05

Sanmina Corporation  
500 March Road  
Ottawa ON K2K 0J9

GEN

<b>Generator No:</b>	ON5466737	<b>Status:</b>	Registered
<b>SIC Code:</b>		<b>Co Admin:</b>	
<b>SIC Description:</b>		<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Jul 2020	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	263 C
<b>Waste Class Desc:</b>	Misc. waste organic chemicals
<b>Waste Class:</b>	121 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals
<b>Waste Class:</b>	145 I
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints
<b>Waste Class:</b>	146 T
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class:</b> <b>Waste Class Desc:</b>		146 R Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		148 B Misc. wastes and inorganic chemicals			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		263 L Misc. waste organic chemicals			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		253 L Emulsified oils			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		148 C Misc. wastes and inorganic chemicals			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		252 L Waste crankcase oils and lubricants			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		148 T Misc. wastes and inorganic chemicals			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		212 I Aliphatic solvents and residues			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		312 P Pathological wastes			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		263 I Misc. waste organic chemicals			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		262 T Detergents and soaps			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		112 C Acid solutions - containing heavy metals			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		232 I Polymeric resins			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		331 I Waste compressed gases including cylinders			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		212 L Aliphatic solvents and residues			

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1 of 6

**ENE/38.7**

**79.9 / -1.99**

**535 Legget Drive  
Kanata ON K2K 3B8**

**EHS**

**Order No:** 20200513064  
**Status:** C  
**Report Type:** Standard Report  
**Report Date:** 19-MAY-20  
**Date Received:** 13-MAY-20  
**Previous Site Name:**  
**Lot/Building Size:**  
**Additional Info Ordered:** Fire Insur. Maps and/or Site Plans

**Nearest Intersection:**  
**Municipality:**  
**Client Prov/State:** ON  
**Search Radius (km):** .25  
**X:** -75.9192125  
**Y:** 45.3478896

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2 of 6

**ENE/38.7**

**79.9 / -1.99**

**535 Legget Drive  
Kanata ON K2K 3B8**

**EHS**

**Order No:** 20200513064  
**Status:** C

**Nearest Intersection:**  
**Municipality:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Report Type:</b> Standard Report <b>Report Date:</b> 19-MAY-20 <b>Date Received:</b> 13-MAY-20 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.9192125 <b>Y:</b> 45.3478896					
<a href="#">8</a>	3 of 6	ENE/38.7	79.9 / -1.99	535 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b> 20200513064 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 19-MAY-20 <b>Date Received:</b> 13-MAY-20 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans <b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.9192125 <b>Y:</b> 45.3478896					
<a href="#">8</a>	4 of 6	ENE/38.7	79.9 / -1.99	535 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b> 20200513064 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 19-MAY-20 <b>Date Received:</b> 13-MAY-20 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans <b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.9192125 <b>Y:</b> 45.3478896					
<a href="#">8</a>	5 of 6	ENE/38.7	79.9 / -1.99	535 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b> 20200513064 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 19-MAY-20 <b>Date Received:</b> 13-MAY-20 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans <b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.9192125 <b>Y:</b> 45.3478896					
<a href="#">8</a>	6 of 6	ENE/38.7	79.9 / -1.99	535 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b> 20200513064 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 19-MAY-20 <b>Date Received:</b> 13-MAY-20 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans <b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.9192125 <b>Y:</b> 45.3478896					
<a href="#">9</a>	1 of 1	WSW/49.9	83.8 / 1.92	lot 9 con 3 ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Well ID:</b>	1503345			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	12/1/1952
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1802
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	009
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503345.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503345.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1952/11/20  
**Year Completed:** 1952  
**Depth (m):** 12.192  
**Latitude:** 45.3467679412808  
**Longitude:** -75.9225283767252  
**Path:** 150\1503345.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025388	<b>Elevation:</b>	80.863845
<b>DP2BR:</b>	5.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	427730.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5021887.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	20-Nov-1952 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996631  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		5.0			
<b>Formation End Depth:</b>		40.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930996630			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		5.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503345			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573958			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043529			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		40			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043528			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		9			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503345			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20.0			
<b>Final Level After Pumping:</b>		30.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		7.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456239			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		38.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>10</u></b>	<b>1 of 12</b>	<b>ENE/60.0</b>	<b>78.1 / -3.86</b>	<b>535 Legget Drive Kanata ON K2K 3B8</b>	<b>EHS</b>
<b>Order No:</b>	20100311004			<b>Nearest Intersection:</b>	Legget Drive and Terry Fox Drive
<b>Status:</b>	C			<b>Municipality:</b>	Kanata
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	3/19/2010			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	3/11/2010			<b>X:</b>	-75.919057
<b>Previous Site Name:</b>				<b>Y:</b>	45.347895
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	City Directory				
<b><u>10</u></b>	<b>2 of 12</b>	<b>ENE/60.0</b>	<b>78.1 / -3.86</b>	<b>Nortel Networks Corporation 535 Legget Drive Ottawa ON</b>	<b>CA</b>
<b>Certificate #:</b>	4854-5GZU2U				
<b>Application Year:</b>	2002				
<b>Issue Date:</b>	12/20/2002				
<b>Approval Type:</b>	Air				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<b><u>10</u></b>	<b>3 of 12</b>	<b>ENE/60.0</b>	<b>78.1 / -3.86</b>	<b>Kanata Research Park Corporation 535 Legget Drive</b>	<b>CA</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Ottawa ON</i>					
				<b>Certificate #:</b> 5182-5M9TGN <b>Application Year:</b> 2003 <b>Issue Date:</b> 5/8/2003 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>	
<a href="#">10</a>	4 of 12	<i>ENE/60.0</i>	<i>78.1 / -3.86</i>	<b>Mead Johnson Nutritionals</b> <b>535 Legget Dr Unit 900</b> <b>Kanata ON K2K 3B8</b>	<i>SCT</i>
				<b>Established:</b> 01-AUG-07 <b>Plant Size (ft²):</b> <b>Employment:</b>  <b>--Details--</b> <b>Description:</b> Other Specialty-Line Food Wholesaler-Distributors <b>SIC/NAICS Code:</b> 413190  <b>Description:</b> Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors <b>SIC/NAICS Code:</b> 414510  <b>Description:</b> Toiletries, Cosmetics and Sundries Wholesaler-Distributors <b>SIC/NAICS Code:</b> 414520  <b>Description:</b> Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors <b>SIC/NAICS Code:</b> 414510	
<a href="#">10</a>	5 of 12	<i>ENE/60.0</i>	<i>78.1 / -3.86</i>	<b>PIKA Technologies Inc.</b> <b>535 Legget Dr Suite 400</b> <b>Kanata ON K2K 3B8</b>	<i>SCT</i>
				<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>  <b>--Details--</b> <b>Description:</b> Computer Systems Design and Related Services <b>SIC/NAICS Code:</b> 541510  <b>Description:</b> Computer and Peripheral Equipment Manufacturing <b>SIC/NAICS Code:</b> 334110	
<a href="#">10</a>	6 of 12	<i>ENE/60.0</i>	<i>78.1 / -3.86</i>	<b>Solace Systems Inc.</b> <b>535 Legget Dr Floor 3</b> <b>Kanata ON K2K 3B8</b>	<i>SCT</i>
				<b>Established:</b> <b>Plant Size (ft²):</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Employment:**

**--Details--**

**Description:** Computer and Peripheral Equipment Manufacturing  
**SIC/NAICS Code:** 334110

**Description:** Computer, Computer Peripheral and Pre-Packaged Software Wholesaler-Distributors  
**SIC/NAICS Code:** 417310

<a href="#">10</a>	7 of 12	ENE/60.0	78.1 / -3.86	<b>KANATA RESEARCH PARK</b> 535 LEGGET Drive KANATA ON K2K3B8	<b>NPRI</b>
--------------------	---------	----------	--------------	---	-------------

<b>NPRI ID:</b>	8800000227	<b>Org ID:</b>	
<b>Other ID:</b>		<b>Submit Date:</b>	
<b>No Other ID:</b>		<b>Last Modified:</b>	
<b>Track ID:</b>		<b>Contact ID:</b>	
<b>Report ID:</b>		<b>Cont Type:</b>	MED
<b>Report Type:</b>		<b>Contact Title:</b>	
<b>Rpt Type ID:</b>		<b>Cont First Name:</b>	
<b>Report Year:</b>	2004	<b>Cont Last Name:</b>	
<b>Not-Current Rpt?:</b>		<b>Contact Position:</b>	
<b>Yr of Last Filed Rpt:</b>		<b>Contact Fax:</b>	
<b>Fac ID:</b>		<b>Contact Ph.:</b>	
<b>Fac Name:</b>	TOWER C	<b>Cont Area Code:</b>	
<b>Fac Address1:</b>		<b>Contact Tel.:</b>	
<b>Fac Address2:</b>		<b>Contact Ext.:</b>	
<b>Fac Postal Zip:</b>		<b>Cont Fax Area Cde:</b>	
<b>Facility Lat:</b>		<b>Contact Fax:</b>	
<b>Facility Long:</b>		<b>Contact Email:</b>	
<b>DLS (Last Filed Rpt):</b>		<b>Latitude:</b>	
<b>Facility DLS:</b>		<b>Longitude:</b>	
<b>Datum:</b>		<b>UTM Zone:</b>	
<b>Facility Cmnts:</b>		<b>UTM Northing:</b>	
<b>URL:</b>		<b>UTM Easting:</b>	
<b>No of Empl.:</b>	65	<b>Waste Streams:</b>	
<b>Parent Co.:</b>		<b>No Streams:</b>	
<b>No Parent Co.:</b>		<b>Waste Off Sites:</b>	
<b>Pollut Prev Cmnts:</b>		<b>No Off Sites:</b>	
<b>Stacks:</b>		<b>Shutdown:</b>	
<b>No of Stacks:</b>		<b>No of Shutdown:</b>	
<b>Canadian SIC Code (2 digit):</b>			
<b>Canadian SIC Code:</b>			
<b>SIC Code Description:</b>			
<b>American SIC Code:</b>			
<b>NAICS Code (2 digit):</b>	53		
<b>NAICS 2 Description:</b>	Real Estate and Rental and Leasing		
<b>NAICS Code (4 digit):</b>	5311		
<b>NAICS 4 Description:</b>	Lessors of Real Estate		
<b>NAICS Code (6 digit):</b>	531120		
<b>NAICS 6 Description:</b>	Lessors of Non-Residential Buildings (except Mini-Warehouses)		

**Substance Release Report**

**CAS No:** 10024-97-2  
**Report ID:**  
**Rpt Period:** 2004  
**Subst Released:** Nitrous oxide  
**Air:**  
**Water:**  
**Land:**  
**Total Releases:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Units:</b>		tonnes			
<b>CAS No:</b>		10102-43-9			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Oxides of nitrogen (expressed as NO)			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		74-82-8			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Methane			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M16			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Volatile Organic Compounds (VOCs)			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		630-08-0			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Carbon monoxide			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		124-38-9			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Carbon dioxide			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		811-97-2			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		HFC-134a Hydrofluorocarbon			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M09			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM10 - Particulate Matter <= 10 Microns			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b> tonnes  <b>CAS No:</b> NA - M10 <b>Report ID:</b> <b>Rpt Period:</b> 2004 <b>Subst Released:</b> PM2.5 - Particulate Matter <= 2.5 Microns <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b> tonnes  <b>CAS No:</b> 7446-09-5 <b>Report ID:</b> <b>Rpt Period:</b> 2004 <b>Subst Released:</b> Sulphur dioxide <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b> tonnes  <b>CAS No:</b> NA - M08 <b>Report ID:</b> <b>Rpt Period:</b> 2004 <b>Subst Released:</b> PM - Total Particulate Matter <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b> tonnes					

[10](#)    8 of 12    **ENE/60.0**    **78.1 / -3.86**    **Kanata Research Park Corporation  
535 Legget Drive  
Ottawa ON K2K 2X3**    **ECA**

**Approval No:** 8125-4MTJ36    **MOE District:** Ottawa  
**Approval Date:** 2001-03-29    **City:**  
**Status:** Revoked and/or Replaced    **Longitude:** -75.918846  
**Record Type:** ECA    **Latitude:** 45.348034  
**Link Source:** IDS    **Geometry X:**  
**SWP Area Name:** Mississippi Valley    **Geometry Y:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Kanata Research Park Corporation  
**Address:** 535 Legget Drive  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/8015-4UUK67-14.pdf>  
**PDF Site Location:**

[10](#)    9 of 12    **ENE/60.0**    **78.1 / -3.86**    **Nortel Networks Corporation  
535 Legget Drive  
Ottawa ON K2H 8E9**    **ECA**

**Approval No:** 4854-5GZU2U    **MOE District:** Ottawa  
**Approval Date:** 2002-12-20    **City:**  
**Status:** Approved    **Longitude:** -75.918846  
**Record Type:** ECA    **Latitude:** 45.348034  
**Link Source:** IDS    **Geometry X:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b></p> <p><b>Approval Type:</b> ECA-AIR</p> <p><b>Project Type:</b> AIR</p> <p><b>Business Name:</b> Nortel Networks Corporation</p> <p><b>Address:</b> 535 Legget Drive</p> <p><b>Full Address:</b></p> <p><b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0863-5DAQUM-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0863-5DAQUM-14.pdf</a></p> <p><b>PDF Site Location:</b></p>					
<a href="#">10</a>	10 of 12	<b>ENE/60.0</b>	<b>78.1 / -3.86</b>	<b>Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3</b>	<b>ECA</b>
<p><b>Approval No:</b> 5816-5ALKNH <b>MOE District:</b> Ottawa</p> <p><b>Approval Date:</b> 2002-05-30 <b>City:</b></p> <p><b>Status:</b> Approved <b>Longitude:</b> -75.918846</p> <p><b>Record Type:</b> ECA <b>Latitude:</b> 45.348034</p> <p><b>Link Source:</b> IDS <b>Geometry X:</b></p> <p><b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b></p> <p><b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p><b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p><b>Business Name:</b> Kanata Research Park Corporation</p> <p><b>Address:</b> 535 Legget Drive</p> <p><b>Full Address:</b></p> <p><b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8364-59NNET-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8364-59NNET-14.pdf</a></p> <p><b>PDF Site Location:</b></p>					
<a href="#">10</a>	11 of 12	<b>ENE/60.0</b>	<b>78.1 / -3.86</b>	<b>Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3</b>	<b>ECA</b>
<p><b>Approval No:</b> 8125-4MTJ36 <b>MOE District:</b> Ottawa</p> <p><b>Approval Date:</b> 2001-02-06 <b>City:</b></p> <p><b>Status:</b> Revoked and/or Replaced <b>Longitude:</b> -75.918846</p> <p><b>Record Type:</b> ECA <b>Latitude:</b> 45.348034</p> <p><b>Link Source:</b> IDS <b>Geometry X:</b></p> <p><b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b></p> <p><b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p><b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p><b>Business Name:</b> Kanata Research Park Corporation</p> <p><b>Address:</b> 535 Legget Drive</p> <p><b>Full Address:</b></p> <p><b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5568-4R5PGT-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5568-4R5PGT-14.pdf</a></p> <p><b>PDF Site Location:</b></p>					
<a href="#">10</a>	12 of 12	<b>ENE/60.0</b>	<b>78.1 / -3.86</b>	<b>Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3</b>	<b>ECA</b>
<p><b>Approval No:</b> 5182-5M9TGN <b>MOE District:</b> Ottawa</p> <p><b>Approval Date:</b> 2003-05-08 <b>City:</b></p> <p><b>Status:</b> Approved <b>Longitude:</b> -75.918846</p> <p><b>Record Type:</b> ECA <b>Latitude:</b> 45.348034</p> <p><b>Link Source:</b> IDS <b>Geometry X:</b></p> <p><b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b></p> <p><b>Approval Type:</b> ECA-AIR</p> <p><b>Project Type:</b> AIR</p> <p><b>Business Name:</b> Kanata Research Park Corporation</p> <p><b>Address:</b> 535 Legget Drive</p> <p><b>Full Address:</b></p>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2856-5DMHSA-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2856-5DMHSA-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">11</a>	1 of 1	NW/69.7	81.1 / -0.81	700 March Road Ottawa ON	EHS
<b>Order No:</b>	20080220030			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	2/29/2008			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	2/20/2008			<b>X:</b>	-75.924499
<b>Previous Site Name:</b>				<b>Y:</b>	45.349902
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps And /or Site Plans				
<a href="#">12</a>	1 of 1	ENE/70.7	79.3 / -2.67	Kanata Research Park Corporation Kanata Research Park Kanata ON K2K 2X3	ECA
<b>Approval No:</b>	8125-4MTJ36			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2002-05-30			<b>City:</b>	
<b>Status:</b>	Revoked and/or Replaced			<b>Longitude:</b>	-75.918846
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.348034
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Business Name:</b>	Kanata Research Park Corporation				
<b>Address:</b>	Kanata Research Park				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6185-4MFKX7-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6185-4MFKX7-14.pdf</a>				
<b>PDF Site Location:</b>					
<a href="#">13</a>	1 of 1	W/76.5	84.1 / 2.20	lot 9 con 3 ON	WWIS
<b>Well ID:</b>	1510215			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Industrial			<b>Date Received:</b>	10/23/1969
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	009
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510215.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510215.pdf</a>				

**Additional Detail(s) (Map)**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
---------	-------------------	----------------------------	------------------	------	----

**Well Completed Date:** 1969/10/01  
**Year Completed:** 1969  
**Depth (m):** 21.6408  
**Latitude:** 45.347343670196  
**Longitude:** -75.9236866038524  
**Path:** 151\1510215.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10032243	<b>Elevation:</b>	80.093772
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	o	<b>East83:</b>	427640.60
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	5021952.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	01-Oct-1969 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931014235  
**Layer:** 2  
**Color:** 1  
**General Color:** WHITE  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 71.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931014234  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 25  
**Most Common Material:** OVERBURDEN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction ID:</b>		961510215			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10580813			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930057084			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		71			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930057083			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		21			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991510215			
<b>Pump Set At:</b>					
<b>Static Level:</b>		29.0			
<b>Final Level After Pumping:</b>		50.0			
<b>Recommended Pump Depth:</b>		60.0			
<b>Pumping Rate:</b>		8.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		7.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934379016			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		29.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934096838			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934640036			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934896956			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933465174			
<b>Layer:</b>		2			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		68.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933465173			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		62.0			
<b>Water Found Depth UOM:</b>		ft			
<b>14</b>	<b>1 of 2</b>	<b>SW/78.4</b>	<b>83.8 / 1.86</b>	<b>CAPRICORN DATA 525 MARCH RD RR 33 KANATA ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1986			
<b>Plant Size (ft²):</b>		3000			
<b>Employment:</b>		5			
<b>--Details--</b>					
<b>Description:</b>		CARBON PAPER AND INKED RIBBONS			
<b>SIC/NAICS Code:</b>		3955			
<b>Description:</b>		All Other Miscellaneous Chemical Product Manufacturing			
<b>SIC/NAICS Code:</b>		325999			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">14</a>	2 of 2	SW/78.4	83.8 / 1.86	Capricorn Data Inc. 525 March Rd Kanata ON K2K 2M5	SCT
<b>Established:</b>		1986			
<b>Plant Size (ft²):</b>		3000			
<b>Employment:</b>		5			
<b>--Details--</b>					
<b>Description:</b>		All Other Miscellaneous Chemical Product Manufacturing			
<b>SIC/NAICS Code:</b>		325999			
<a href="#">15</a>	1 of 2	SE/81.0	80.2 / -1.74	Legget Drive Development Inc. 500 March Rd Ottawa ON K1P 6E2	ECA
<b>Approval No:</b>		0623-9SKM34	<b>MOE District:</b>		
<b>Approval Date:</b>		2015-01-13	<b>City:</b>		
<b>Status:</b>		Approved	<b>Longitude:</b>		
<b>Record Type:</b>		ECA	<b>Latitude:</b>		
<b>Link Source:</b>		IDS	<b>Geometry X:</b>		
<b>SWP Area Name:</b>			<b>Geometry Y:</b>		
<b>Approval Type:</b>		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Project Type:</b>		MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Business Name:</b>		Legget Drive Development Inc.			
<b>Address:</b>		500 March Rd			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7712-9RMMU6-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7712-9RMMU6-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">15</a>	2 of 2	SE/81.0	80.2 / -1.74	Sanmina Corporation 500 March Road Ottawa ON K2K 0J9	GEN
<b>Generator No:</b>		ON5466737	<b>Status:</b> Registered		
<b>SIC Code:</b>			<b>Co Admin:</b>		
<b>SIC Description:</b>			<b>Choice of Contact:</b>		
<b>Approval Years:</b>		As of Nov 2021	<b>Phone No Admin:</b>		
<b>PO Box No:</b>			<b>Contam. Facility:</b>		
<b>Country:</b>		Canada	<b>MHSW Facility:</b>		
<b>Detail(s)</b>					
<b>Waste Class:</b>		146 R			
<b>Waste Class Desc:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 T			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		112 C			
<b>Waste Class Desc:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		263 I			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		121 C			
<b>Waste Class Desc:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		263 C			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Waste Class:</b>		331 I			
<b>Waste Class Desc:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		148 C			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		148 B			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Desc:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		252 L			
<b>Waste Class Desc:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		212 L			
<b>Waste Class Desc:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		232 I			
<b>Waste Class Desc:</b>		Polymeric resins			
<b>Waste Class:</b>		146 T			
<b>Waste Class Desc:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		312 P			
<b>Waste Class Desc:</b>		Pathological wastes			
<b>Waste Class:</b>		253 L			
<b>Waste Class Desc:</b>		Emulsified oils			
<b>Waste Class:</b>		263 L			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Desc:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		262 T			
<b>Waste Class Desc:</b>		Detergents and soaps			

<b><u>16</u></b>	<b>1 of 4</b>	<b>SE/81.4</b>	<b>79.9 / -2.05</b>	<b>510-528 March Road Kanata ON</b>	<b>EHS</b>
<b>Order No:</b>	20061012005			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	10/20/2006			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	10/12/2006			<b>X:</b>	-75.917957
<b>Previous Site Name:</b>				<b>Y:</b>	45.344121
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps And /or Site Plans				

<b><u>16</u></b>	<b>2 of 4</b>	<b>SE/81.4</b>	<b>79.9 / -2.05</b>	<b>528 March Road Ottawa ON</b>	<b>EHS</b>
<b>Order No:</b>	20140416041			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-14			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	16-APR-14			<b>X:</b>	-75.917765
<b>Previous Site Name:</b>				<b>Y:</b>	45.344926
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">16</a>	3 of 4	SE/81.4	79.9 / -2.05	SCI BROCKVILLE CORP. 528 MARCH KANATA ON	EASR
<b>Approval No:</b>	R-002-4521547225			<b>SWP Area Name:</b>	
<b>Status:</b>	Registered			<b>MOE District:</b>	
<b>Date:</b>	8/25/15			<b>Municipality:</b>	KANATA
<b>Record Type:</b>				<b>Latitude:</b>	
<b>Link Source:</b>				<b>Longitude:</b>	
<b>Project Type:</b>	Standby Power System			<b>Geometry X:</b>	
<b>Full Address:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>					
<b>Full PDF Link:</b>					
<b>PDF URL:</b>					
<b>PDF Site Location:</b>					
<a href="#">16</a>	4 of 4	SE/81.4	79.9 / -2.05	SCI BROCKVILLE CORP. 528 MARCH RD KANATA ON K2K 2M5	EASR
<b>Approval No:</b>	R-002-4521547225			<b>SWP Area Name:</b>	
<b>Status:</b>	REGISTERED			<b>MOE District:</b>	
<b>Date:</b>	2015-08-25			<b>Municipality:</b>	KANATA
<b>Record Type:</b>	EASR			<b>Latitude:</b>	
<b>Link Source:</b>	MOFA			<b>Longitude:</b>	
<b>Project Type:</b>	Standby Power System			<b>Geometry X:</b>	
<b>Full Address:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>	EASR-Standby Power System				
<b>Full PDF Link:</b>	<a href="http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2016294">http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2016294</a>				
<b>PDF URL:</b>					
<b>PDF Site Location:</b>					
<a href="#">17</a>	1 of 14	W/89.1	84.1 / 2.20	MILLER'S QUALITY DRY CLEANERS 591 MARCH ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b>	ON2095500			<b>Status:</b>	
<b>SIC Code:</b>	9721			<b>Co Admin:</b>	
<b>SIC Description:</b>	POWER LAUND./CLEANERS			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	95,96,97,98,99,00,01			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b>Detail(s)</b>					
<b>Waste Class:</b>	241				
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS				
<a href="#">17</a>	2 of 14	W/89.1	84.1 / 2.20	591 March Road Kanata ON K2K 2M5	EHS
<b>Order No:</b>	20061017022			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	Kanata (Ottawa)
<b>Report Type:</b>	Site Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	10/19/2006			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	10/17/2006			<b>X:</b>	-75.923715
<b>Previous Site Name:</b>				<b>Y:</b>	45.347553
<b>Lot/Building Size:</b>	STRIP PLAZA				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Additional Info Ordered:

<a href="#">17</a>	3 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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Generator No: ON3396254  
 SIC Code: 541940  
 SIC Description: Veterinary Services  
 Approval Years: 2009  
 PO Box No:  
 Country:

Status:  
 Co Admin:  
 Choice of Contact:  
 Phone No Admin:  
 Contam. Facility:  
 MHSW Facility:

Detail(s)

Waste Class: 261  
 Waste Class Desc: PHARMACEUTICALS

Waste Class: 264  
 Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312  
 Waste Class Desc: PATHOLOGICAL WASTES

<a href="#">17</a>	4 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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Generator No: ON3396254  
 SIC Code: 541940  
 SIC Description: Veterinary Services  
 Approval Years: 2010  
 PO Box No:  
 Country:

Status:  
 Co Admin:  
 Choice of Contact:  
 Phone No Admin:  
 Contam. Facility:  
 MHSW Facility:

Detail(s)

Waste Class: 312  
 Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261  
 Waste Class Desc: PHARMACEUTICALS

Waste Class: 264  
 Waste Class Desc: PHOTOPROCESSING WASTES

<a href="#">17</a>	5 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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Generator No: ON3396254  
 SIC Code: 541940  
 SIC Description: Veterinary Services  
 Approval Years: 2011  
 PO Box No:  
 Country:

Status:  
 Co Admin:  
 Choice of Contact:  
 Phone No Admin:  
 Contam. Facility:  
 MHSW Facility:

Detail(s)

Waste Class: 312

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		261			
<b>Waste Class Desc:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		264			
<b>Waste Class Desc:</b>		PHOTOPROCESSING WASTES			
<a href="#">17</a>	6 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b>		ON3396254		<b>Status:</b>	
<b>SIC Code:</b>		541940		<b>Co Admin:</b>	
<b>SIC Description:</b>		Veterinary Services		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2012		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312			
<b>Waste Class Desc:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		264			
<b>Waste Class Desc:</b>		PHOTOPROCESSING WASTES			
<b>Waste Class:</b>		261			
<b>Waste Class Desc:</b>		PHARMACEUTICALS			
<a href="#">17</a>	7 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON	GEN
<b>Generator No:</b>		ON3396254		<b>Status:</b>	
<b>SIC Code:</b>		541940		<b>Co Admin:</b>	
<b>SIC Description:</b>		VETERINARY SERVICES		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2013		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		261			
<b>Waste Class Desc:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		312			
<b>Waste Class Desc:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		264			
<b>Waste Class Desc:</b>		PHOTOPROCESSING WASTES			
<a href="#">17</a>	8 of 14	W/89.1	84.1 / 2.20	591 March Rd Ottawa ON K2K2M5	EHS
<b>Order No:</b>		20151123050		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b> City of Ottawa	
<b>Report Type:</b>		Standard Select Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		27-NOV-15		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		23-NOV-15		<b>X:</b> -75.923843	
<b>Previous Site Name:</b>				<b>Y:</b> 45.347298	
<b>Lot/Building Size:</b>		1.25 hectares (approx.)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Additional Info Ordered:

<a href="#">17</a>	9 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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<b>Generator No:</b>	ON3396254	<b>Status:</b>	
<b>SIC Code:</b>	541940	<b>Co Admin:</b>	Tobie Jaros
<b>SIC Description:</b>	VETERINARY SERVICES	<b>Choice of Contact:</b>	CO_ADMIN
<b>Approval Years:</b>	2016	<b>Phone No Admin:</b>	613-591-2408 Ext.
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

Detail(s)

<b>Waste Class:</b>	261
<b>Waste Class Desc:</b>	PHARMACEUTICALS
<b>Waste Class:</b>	264
<b>Waste Class Desc:</b>	PHOTOPROCESSING WASTES
<b>Waste Class:</b>	312
<b>Waste Class Desc:</b>	PATHOLOGICAL WASTES

<a href="#">17</a>	10 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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<b>Generator No:</b>	ON3396254	<b>Status:</b>	
<b>SIC Code:</b>	541940	<b>Co Admin:</b>	Tobie Jaros
<b>SIC Description:</b>	VETERINARY SERVICES	<b>Choice of Contact:</b>	CO_ADMIN
<b>Approval Years:</b>	2015	<b>Phone No Admin:</b>	613-591-2408 Ext.
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

Detail(s)

<b>Waste Class:</b>	264
<b>Waste Class Desc:</b>	PHOTOPROCESSING WASTES
<b>Waste Class:</b>	261
<b>Waste Class Desc:</b>	PHARMACEUTICALS
<b>Waste Class:</b>	312
<b>Waste Class Desc:</b>	PATHOLOGICAL WASTES

<a href="#">17</a>	11 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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<b>Generator No:</b>	ON3396254	<b>Status:</b>	
<b>SIC Code:</b>	541940	<b>Co Admin:</b>	Courtney C Cavanagh
<b>SIC Description:</b>	VETERINARY SERVICES	<b>Choice of Contact:</b>	CO_ADMIN
<b>Approval Years:</b>	2014	<b>Phone No Admin:</b>	613-591-2408 Ext.
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

Detail(s)

<b>Waste Class:</b>	261
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		312			
<b>Waste Class Desc:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		264			
<b>Waste Class Desc:</b>		PHOTOPROCESSING WASTES			
<a href="#">17</a>	12 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b>	ON3396254			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		261 A			
<b>Waste Class Desc:</b>		Pharmaceuticals			
<b>Waste Class:</b>		264 T			
<b>Waste Class Desc:</b>		Photoprocessing wastes			
<b>Waste Class:</b>		312 P			
<b>Waste Class Desc:</b>		Pathological wastes			
<a href="#">17</a>	13 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b>	ON3396254			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Jul 2020			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		264 T			
<b>Waste Class Desc:</b>		Photoprocessing wastes			
<b>Waste Class:</b>		312 P			
<b>Waste Class Desc:</b>		Pathological wastes			
<b>Waste Class:</b>		261 A			
<b>Waste Class Desc:</b>		Pharmaceuticals			
<a href="#">17</a>	14 of 14	W/89.1	84.1 / 2.20	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b>	ON3396254			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Nov 2021			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		261 A			
<b>Waste Class Desc:</b>		Pharmaceuticals			
<b>Waste Class:</b>		264 T			
<b>Waste Class Desc:</b>		Photoprocessing wastes			
<b>Waste Class:</b>		312 P			
<b>Waste Class Desc:</b>		Pathological wastes			
<a href="#">18</a>	1 of 5	S/89.5	82.9 / 0.95	<b>Texas Instruments Canada Ltd.</b> 505 March Rd Suite 200 Ottawa ON K2K 3A4	<b>SCT</b>
<b>Established:</b>		1962			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>		21			
<b>--Details--</b>					
<b>Description:</b>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417320			
<a href="#">18</a>	2 of 5	S/89.5	82.9 / 0.95	<b>505 March Road</b> Ottawa ON	<b>EHS</b>
<b>Order No:</b>		20050314003w		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>				<b>Client Prov/State:</b> MA	
<b>Report Date:</b>		3/14/2005 10:08:25 AM		<b>Search Radius (km):</b> 0.25	
<b>Date Received:</b>		3/14/2005 10:08:25 AM		<b>X:</b> 0	
<b>Previous Site Name:</b>				<b>Y:</b> 0	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">18</a>	3 of 5	S/89.5	82.9 / 0.95	<b>Texas Instruments Canada Ltd.</b> 505 March Rd Suite 200 Kanata ON K2K 3A4	<b>SCT</b>
<b>Established:</b>		01-AUG-62			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417320			
<a href="#">18</a>	4 of 5	S/89.5	82.9 / 0.95	<b>Telus Health Solutions Inc.</b> 505 March Rd Suite 450 Kanata ON K2K 3A4	<b>SCT</b>
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">18</a>	5 of 5	S/89.5	82.9 / 0.95	Colonnade Management<UNOFFICIAL> 505 March Road Ottawa ON K2K 3A4	SPL
<b>Ref No:</b>	7635-8J2NEM		<b>Discharger Report:</b>		
<b>Site No:</b>			<b>Material Group:</b>		
<b>Incident Dt:</b>	6/19/2011		<b>Health/Env Conseq:</b>		
<b>Year:</b>			<b>Client Type:</b>		
<b>Incident Cause:</b>	Discharge or Emission to Air		<b>Sector Type:</b> Other		
<b>Incident Event:</b>			<b>Agency Involved:</b>		
<b>Contaminant Code:</b>	38		<b>Nearest Watercourse:</b>		
<b>Contaminant Name:</b>	REFRIGERANT GAS, N.O.S.		<b>Site Address:</b> 505 March Road		
<b>Contaminant Limit 1:</b>			<b>Site District Office:</b>		
<b>Contam Limit Freq 1:</b>			<b>Site Postal Code:</b>		
<b>Contaminant UN No 1:</b>			<b>Site Region:</b>		
<b>Environment Impact:</b>	Not Anticipated		<b>Site Municipality:</b> Ottawa		
<b>Nature of Impact:</b>			<b>Site Lot:</b>		
<b>Receiving Medium:</b>	Sewage - Municipal/Private and Commercial		<b>Site Conc:</b>		
<b>Receiving Env:</b>			<b>Northing:</b>		
<b>MOE Response:</b>	No Field Response		<b>Easting:</b>		
<b>Dt MOE Arvl on Scrn:</b>			<b>Site Geo Ref Accu:</b>		
<b>MOE Reported Dt:</b>	6/21/2011		<b>Site Map Datum:</b>		
<b>Dt Document Closed:</b>	12/3/2011		<b>SAC Action Class:</b> Air Spills - Gases and Vapours		
<b>Incident Reason:</b>			<b>Source Type:</b>		
<b>Site Name:</b>	circuit #2<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	Kanata North Tech Park: 90 lbs R407C to atm				
<b>Contaminant Qty:</b>	41 kg				
<a href="#">19</a>	1 of 4	NW/90.9	80.9 / -1.05	MKB RESTAURANTS (CS) LIMITED 700 MARCH ROAD KANATA CITY ON K2K 2V9	CA
<b>Certificate #:</b>	8-4213-94-				
<b>Application Year:</b>	94				
<b>Issue Date:</b>	12/16/1994				
<b>Approval Type:</b>	Industrial air				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>	KITCHEN EXH. HOOD FOR BURGER KING REST.				
<b>Contaminants:</b>	Odour/Fumes				
<b>Emission Control:</b>	No Controls				
<a href="#">19</a>	2 of 4	NW/90.9	80.9 / -1.05	RAJANS PHARMACIES LTD. 700 MARCH ROAD KANATA ON K2K 2V9	GEN
<b>Generator No:</b>	ON2560500		<b>Status:</b>		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Code:</b> 6031 <b>SIC Description:</b> PHARMACIES <b>Approval Years:</b> 00,01 <b>PO Box No:</b> <b>Country:</b>				<b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b>Detail(s)</b>					
<b>Waste Class:</b> 261					
<b>Waste Class Desc:</b> PHARMACEUTICALS					
<b>Waste Class:</b> 312					
<b>Waste Class Desc:</b> PATHOLOGICAL WASTES					
<a href="#">19</a>	3 of 4	NW/90.9	80.9 / -1.05	Amika Mobile Corporation 700 March Rd Suite 203 Kanata ON K2K 2V9	SCT
<b>Established:</b> 01-AUG-07					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b> Computer Systems Design and Related Services					
<b>SIC/NAICS Code:</b> 541510					
<b>Description:</b> Software Publishers					
<b>SIC/NAICS Code:</b> 511210					
<b>Description:</b> Computer Systems Design and Related Services					
<b>SIC/NAICS Code:</b> 541510					
<a href="#">19</a>	4 of 4	NW/90.9	80.9 / -1.05	Kanata North Medical Centre 700 March Rd Kanata ON K2K 2V9	GEN
<b>Generator No:</b> ON4413511					
<b>SIC Code:</b> 621110					
<b>SIC Description:</b> Offices of Physicians					
<b>Approval Years:</b> 2010					
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contam. Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b> 312					
<b>Waste Class Desc:</b> PATHOLOGICAL WASTES					
<a href="#">20</a>	1 of 1	WSW/93.9	84.9 / 2.95	lot 9 con 3 ON	WWIS
<b>Well ID:</b> 1503344					
<b>Construction Date:</b>					
<b>Primary Water Use:</b> Domestic					
<b>Sec. Water Use:</b> 0					
<b>Final Well Status:</b> Water Supply					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b>					
<b>Tag:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b> 1					
<b>Date Received:</b> 7/6/1964					
<b>Selected Flag:</b> True					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 1503					
<b>Form Version:</b> 1					
<b>Owner:</b>					
<b>Street Name:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	009
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503344.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503344.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1964/05/28  
**Year Completed:** 1964  
**Depth (m):** 17.0688  
**Latitude:** 45.3466282973595  
**Longitude:** -75.923100538294  
**Path:** 150\1503344.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025387	<b>Elevation:</b>	80.732414
<b>DP2BR:</b>	2.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	427685.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5021872.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	28-May-1964 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930996629  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 21  
**Most Common Material:** GRANITE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 56.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930996628

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		2.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503344			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573957			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043526			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		17			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043527			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		56			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503344			
<b>Pump Set At:</b>					
<b>Static Level:</b>		11.0			
<b>Final Level After Pumping:</b>		12.0			
<b>Recommended Pump Depth:</b>		40.0			
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456238			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		55.0			
<b>Water Found Depth UOM:</b>		ft			

<u>21</u>	1 of 1	W/95.8	84.9 / 2.99	ON	BORE
<b>Borehole ID:</b>		609785		<b>Inclin FLG:</b>	No
<b>OGF ID:</b>		215511400		<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>		Borehole		<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>				<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.347075
<b>Total Depth m:</b>		-999		<b>Longitude DD:</b>	-75.923682
<b>Depth Ref:</b>		Ground Surface		<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	427641
<b>Drill Method:</b>				<b>Northing:</b>	5021922
<b>Orig Ground Elev m:</b>		80.8		<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>		80.4			
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218384079	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.6	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Silt	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	SILT.		
<b>Geology Stratum ID:</b>	218384080	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	.6	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>		<b>Material Texture:</b>	
<b>Material Color:</b>	Black	<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock	<b>Geologic Formation:</b>	
<b>Material 2:</b>	Granite	<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		BEDROCK,GRANITE. . GRANITE. GREY. GRANITE. BLACK. 003050. BEDROCK. SEISMIC VELOCITY =			
		**Note: Many records provided by the department have a truncated [Stratum Description] field.			
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 022930 NTS_Sheet: 31G05D				
<b>Confiden 1:</b>	Reliable information but incomplete.				
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>22</b>	1 of 35	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>NOKIA IP TELEPHONY CORPORATION 555 LEGGET DR SUITE 400 KANATA ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>	1995				
<b>Plant Size (ft²):</b>	0				
<b>Employment:</b>	170				
<b>--Details--</b>					
<b>Description:</b>	Computer and Peripheral Equipment Manufacturing				
<b>SIC/NAICS Code:</b>	334110				
<b>Description:</b>	Manufacturing and Reproducing Magnetic and Optical Media				
<b>SIC/NAICS Code:</b>	334610				
<b>22</b>	2 of 35	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>NOKIA 555 Legget Dr Suite 400 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>	1995				
<b>Plant Size (ft²):</b>	0				
<b>Employment:</b>	170				
<b>--Details--</b>					
<b>Description:</b>	Other Leather and Allied Product Manufacturing				
<b>SIC/NAICS Code:</b>	316990				
<b>Description:</b>	All Other Plastic Product Manufacturing				
<b>SIC/NAICS Code:</b>	326198				
<b>Description:</b>	Telephone Apparatus Manufacturing				
<b>SIC/NAICS Code:</b>	334210				
<b>Description:</b>	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing				
<b>SIC/NAICS Code:</b>	334220				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<b>Description:</b>		Battery Manufacturing			
<b>SIC/NAICS Code:</b>		335910			
<b>Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>SIC/NAICS Code:</b>		335990			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#"><u>22</u></a>	3 of 35	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>March Networks 555 Legget Dr Suite 140 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>		1991			
<b>Plant Size (ft²):</b>		55			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<a href="#"><u>22</u></a>	4 of 35	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>TELEXIS CORPORATION 555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3</b>	<b>GEN</b>
<b>Generator No:</b>		ON2343800		<b>Status:</b>	
<b>SIC Code:</b>		3352		<b>Co Admin:</b>	
<b>SIC Description:</b>		ELECT. PARTS & COMP.		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		97,98,99,00,01		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		211			
<b>Waste Class Desc:</b>		AROMATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<a href="#">22</a>	5 of 35	NE/99.2	79.9 / -1.99	<b>PULSE CANADA LTD. 555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3</b>	GEN
<b>Generator No:</b>	ON2399800			<b>Status:</b>	
<b>SIC Code:</b>	4839			<b>Co Admin:</b>	
<b>SIC Description:</b>	OTHER TELECOMMUN.			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	98,99,00,01			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<a href="#">22</a>	6 of 35	NE/99.2	79.9 / -1.99	<b>PULSE CANADA LTD. 555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3</b>	GEN
<b>Generator No:</b>	ON2399800			<b>Status:</b>	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	02,03,04			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<a href="#">22</a>	7 of 35	NE/99.2	79.9 / -1.99	<b>March Networks Corporation 555 Legget Dr Ottawa ON K2K 2X3</b>	SCT
<b>Established:</b>	1991				
<b>Plant Size (ft²):</b>					
<b>Employment:</b>	90				
<b><u>--Details--</u></b>					
<b>Description:</b>	Computer and Peripheral Equipment Manufacturing				
<b>SIC/NAICS Code:</b>	334110				
<b>Description:</b>	Measuring, Medical and Controlling Devices Manufacturing				
<b>SIC/NAICS Code:</b>	334512				
<a href="#">22</a>	8 of 35	NE/99.2	79.9 / -1.99	<b>March Networks Corporation 555 Legget Dr Suite 530 Kanata ON K2K 2X3</b>	SCT
<b>Established:</b>	1991				
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b><u>--Details--</u></b>					
<b>Description:</b>	Computer and Peripheral Equipment Manufacturing				
<b>SIC/NAICS Code:</b>	334110				
<b>Description:</b>	Measuring, Medical and Controlling Devices Manufacturing				
<b>SIC/NAICS Code:</b>	334512				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">22</a>	9 of 35	NE/99.2	79.9 / -1.99	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>	ON4875456			<b>Status:</b>	
<b>SIC Code:</b>	561420 531120			<b>Co Admin:</b>	
<b>SIC Description:</b>	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-06,07,08			<b>Choice of Contact:</b>	
<b>Approval Years:</b>				<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	146				
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS				
<b>Waste Class:</b>	121				
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS				
<b>Waste Class:</b>	121				
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS				
<b>Waste Class:</b>	114				
<b>Waste Class Desc:</b>	OTHER INORGANIC ACID WASTES				
<b>Waste Class:</b>	148				
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	331				
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES				
<b>Waste Class:</b>	331				
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES				
<b>Waste Class:</b>	252				
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS				
<b>Waste Class:</b>	243				
<b>Waste Class Desc:</b>	PCB'S				
<b>Waste Class:</b>	213				
<b>Waste Class Desc:</b>	PETROLEUM DISTILLATES				
<b>Waste Class:</b>	145				
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES				
<b>Waste Class:</b>	122				
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS				
<b>Waste Class:</b>	122				
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS				
<a href="#">22</a>	10 of 35	NE/99.2	79.9 / -1.99	Redirack Storage Systems 555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	SCT

**Established:**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Material Handling Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		333920			
<b>Description:</b>		All Other Miscellaneous Fabricated Metal Product Manufacturing			
<b>SIC/NAICS Code:</b>		332999			
<b>Description:</b>		Other Ornamental and Architectural Metal Product Manufacturing			
<b>SIC/NAICS Code:</b>		332329			
<b>Description:</b>		Hardware Manufacturing			
<b>SIC/NAICS Code:</b>		332510			
<b>Description:</b>		Hardware Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		416330			
<b>Description:</b>		Metal Service Centres			
<b>SIC/NAICS Code:</b>		416210			
<b>Description:</b>		Showcase, Partition, Shelving and Locker Manufacturing			
<b>SIC/NAICS Code:</b>		337215			
<b>Description:</b>		Office and Store Machinery and Equipment Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417910			
<b>Description:</b>		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417230			
<b>Description:</b>		Lumber, Plywood and Millwork Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		416320			
<b>Description:</b>		Material Handling Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		333920			
<b>Description:</b>		Wood Container and Pallet Manufacturing			
<b>SIC/NAICS Code:</b>		321920			
<b>Description:</b>		Other Metal Container Manufacturing			
<b>SIC/NAICS Code:</b>		332439			

<b><u>22</u></b>	<b>11 of 35</b>	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>March Networks 555 Legget Drive Ottawa ON K2K 2X3</b>	<b>GEN</b>
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<b>Generator No:</b>	ON6420281	<b>Status:</b>	
<b>SIC Code:</b>		<b>Co Admin:</b>	
<b>SIC Description:</b>		<b>Choice of Contact:</b>	
<b>Approval Years:</b>	07,08	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>		<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	112
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS
<b>Waste Class:</b>	121
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">22</a>	12 of 35	NE/99.2	79.9 / -1.99	Kanata Research Park Corporation 555 Legget Drive Ottawa ON	CA
<b>Certificate #:</b>		4220-5HUV4			
<b>Application Year:</b>		2003			
<b>Issue Date:</b>		1/18/2003			
<b>Approval Type:</b>		Air			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">22</a>	13 of 35	NE/99.2	79.9 / -1.99	Netistix Technologies Corp 555 Legget Dr Suite 304 Kanata ON K2K 2X3	SCT
<b>Established:</b>		01-DEC-02			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Office Administrative Services			
<b>SIC/NAICS Code:</b>		561110			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">22</a>	14 of 35	NE/99.2	79.9 / -1.99	Sch Specialty Literacy/Interve 555 Legget Dr Suite 900 Kanata ON K2K 2X3	SCT
<b>Established:</b>		01-AUG-92			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">22</a>	15 of 35	NE/99.2	79.9 / -1.99	Redirack Storage Systems 555 Legget Dr Suite 1007 Kanata ON K2K 2X3	SCT
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>--Details--</b>					
<b>Description:</b>		Metal Service Centres			
<b>SIC/NAICS Code:</b>		416210			
<b>Description:</b>		Other Metal Container Manufacturing			
<b>SIC/NAICS Code:</b>		332439			
<b>Description:</b>		Showcase, Partition, Shelving and Locker Manufacturing			
<b>SIC/NAICS Code:</b>		337215			
<b>Description:</b>		Material Handling Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		333920			
<b>Description:</b>		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417230			
<b>Description:</b>		Hardware Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		416330			
<b>Description:</b>		Lumber, Plywood and Millwork Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		416320			
<b>Description:</b>		Hardware Manufacturing			
<b>SIC/NAICS Code:</b>		332510			
<b>Description:</b>		Wood Container and Pallet Manufacturing			
<b>SIC/NAICS Code:</b>		321920			
<b>Description:</b>		Other Ornamental and Architectural Metal Product Manufacturing			
<b>SIC/NAICS Code:</b>		332329			
<b>Description:</b>		All Other Miscellaneous Fabricated Metal Product Manufacturing			
<b>SIC/NAICS Code:</b>		332999			
<b>Description:</b>		Office and Store Machinery and Equipment Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417910			
<b>Description:</b>		Material Handling Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		333920			
<b>22</b>	<b>16 of 35</b>	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>Mediphan Inc. 555 Legget Dr Suite 305 Ottawa ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<b>Description:</b>		Research and Development in the Physical, Engineering and Life Sciences			
<b>SIC/NAICS Code:</b>		541710			
<b>Description:</b>		Medical Equipment and Supplies Manufacturing			
<b>SIC/NAICS Code:</b>		339110			
<b>22</b>	<b>17 of 35</b>	<b>NE/99.2</b>	<b>79.9 / -1.99</b>	<b>KRP Management Services Inc.</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				555 Legget Drive Ottawa ON	
<b>Generator No:</b>	ON4875456			<b>Status:</b>	
<b>SIC Code:</b>	561420, 531120			<b>Co Admin:</b>	
<b>SIC Description:</b>	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2009			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	122				
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS				
<b>Waste Class:</b>	121				
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS				
<b>Waste Class:</b>	145				
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES				
<b>Waste Class:</b>	146				
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS				
<b>Waste Class:</b>	148				
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	213				
<b>Waste Class Desc:</b>	PETROLEUM DISTILLATES				
<b>Waste Class:</b>	243				
<b>Waste Class Desc:</b>	PCBS				
<b>Waste Class:</b>	252				
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS				
<b>Waste Class:</b>	331				
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES				

<a href="#">22</a>	18 of 35	NE/99.2	79.9 / -1.99	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>	ON4875456			<b>Status:</b>	
<b>SIC Code:</b>	561420, 531120			<b>Co Admin:</b>	
<b>SIC Description:</b>	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2010			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	213				
<b>Waste Class Desc:</b>	PETROLEUM DISTILLATES				
<b>Waste Class:</b>	252				
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		243			
<b>Waste Class Desc:</b>		PCBS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			

**22**      19 of 35      **NE/99.2**      **79.9 / -1.99**      **KRP Management Services Inc.**  
**555 Legget Drive**  
**Ottawa ON**      **GEN**

**Generator No:** ON4875456      **Status:**  
**SIC Code:** 561420, 531120      **Co Admin:**  
**SIC Description:** Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)      **Choice of Contact:**

**Approval Years:** 2011      **Phone No Admin:**  
**PO Box No:**      **Contam. Facility:**  
**Country:**      **MHSW Facility:**

**Detail(s)**

**Waste Class:** 148  
**Waste Class Desc:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 122  
**Waste Class Desc:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 145  
**Waste Class Desc:** PAINT/PIGMENT/COATING RESIDUES

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 243  
**Waste Class Desc:** PCBS

**Waste Class:** 112  
**Waste Class Desc:** ACID WASTE - HEAVY METALS

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<hr/>					
<a href="#"><u>22</u></a>	20 of 35	NE/99.2	79.9 / -1.99	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>	ON4875456			<b>Status:</b>	
<b>SIC Code:</b>	561420, 531120			<b>Co Admin:</b>	
<b>SIC Description:</b>	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2012			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
 <b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		243			
<b>Waste Class Desc:</b>		PCBS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<hr/>					
<a href="#"><u>22</u></a>	21 of 35	NE/99.2	79.9 / -1.99	KANATA RESEARCH PARK 555 LEGGET Drive KANATA ON K2K2X3	NPRI

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>NPRI ID:</b>	8800000226			<b>Org ID:</b>	
<b>Other ID:</b>				<b>Submit Date:</b>	
<b>No Other ID:</b>				<b>Last Modified:</b>	
<b>Track ID:</b>				<b>Contact ID:</b>	
<b>Report ID:</b>				<b>Cont Type:</b>	MED
<b>Report Type:</b>				<b>Contact Title:</b>	
<b>Rpt Type ID:</b>				<b>Cont First Name:</b>	
<b>Report Year:</b>	2004			<b>Cont Last Name:</b>	
<b>Not-Current Rpt?:</b>				<b>Contact Position:</b>	
<b>Yr of Last Filed Rpt:</b>				<b>Contact Fax:</b>	
<b>Fac ID:</b>				<b>Contact Ph.:</b>	
<b>Fac Name:</b>	TOWERS A & B			<b>Cont Area Code:</b>	
<b>Fac Address1:</b>				<b>Contact Tel.:</b>	
<b>Fac Address2:</b>				<b>Contact Ext.:</b>	
<b>Fac Postal Zip:</b>				<b>Cont Fax Area Cde:</b>	
<b>Facility Lat:</b>				<b>Contact Fax:</b>	
<b>Facility Long:</b>				<b>Contact Email:</b>	
<b>DLS (Last Filed Rpt):</b>				<b>Latitude:</b>	
<b>Facility DLS:</b>				<b>Longitude:</b>	
<b>Datum:</b>				<b>UTM Zone:</b>	
<b>Facility Cmnts:</b>				<b>UTM Northing:</b>	
<b>URL:</b>				<b>UTM Easting:</b>	
<b>No of Empl.:</b>	1036			<b>Waste Streams:</b>	
<b>Parent Co.:</b>				<b>No Streams:</b>	
<b>No Parent Co.:</b>				<b>Waste Off Sites:</b>	
<b>Pollut Prev Cmnts:</b>				<b>No Off Sites:</b>	
<b>Stacks:</b>				<b>Shutdown:</b>	
<b>No of Stacks:</b>				<b>No of Shutdown:</b>	
<b>Canadian SIC Code (2 digit):</b>					
<b>Canadian SIC Code:</b>					
<b>SIC Code Description:</b>					
<b>American SIC Code:</b>					
<b>NAICS Code (2 digit):</b>	53				
<b>NAICS 2 Description:</b>	Real Estate and Rental and Leasing				
<b>NAICS Code (4 digit):</b>	5311				
<b>NAICS 4 Description:</b>	Lessors of Real Estate				
<b>NAICS Code (6 digit):</b>	531120				
<b>NAICS 6 Description:</b>	Lessors of Non-Residential Buildings (except Mini-Warehouses)				
<b><u>Substance Release Report</u></b>					
<b>CAS No:</b>	10102-43-9				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Oxides of nitrogen (expressed as NO)				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	NA - M16				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Volatile Organic Compounds (VOCs)				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	NA - M08				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				PM - Total Particulate Matter	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				NA - M10 2004 PM2.5 - Particulate Matter <= 2.5 Microns	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				7446-09-5 2004 Sulphur dioxide	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				NA - M09 2004 PM10 - Particulate Matter <= 10 Microns	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				811-97-2 2004 HFC-134a Hydrofluorocarbon	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				74-82-8 2004 Methane	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>				10024-97-2 2004 Nitrous oxide	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
CAS No:		124-38-9			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon dioxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		630-08-0			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon monoxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			

<u>22</u>	22 of 35	NE/99.2	79.9 / -1.99	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
Generator No:	ON4875456			Status:	
SIC Code:	561420, 531120			Co Admin:	
SIC Description:	TELEPHONE CALL CENTRES, LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)			Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

**Detail(s)**

Waste Class:	135
Waste Class Desc:	REACTIVE ANION WASTES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	243

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		PCBS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<a href="#">22</a>	23 of 35	NE/99.2	79.9 / -1.99	555 Legget Dr Ottawa ON K2K2X3	EHS
<b>Order No:</b>		20150903032		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		09-SEP-15		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		03-SEP-15		<b>X:</b> -75.919803	
<b>Previous Site Name:</b>				<b>Y:</b> 45.348953	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">22</a>	24 of 35	NE/99.2	79.9 / -1.99	555 Legget Dr Ottawa ON K2K2X3	EHS
<b>Order No:</b>		20150304029		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		09-MAR-15		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		04-MAR-15		<b>X:</b> -75.919787	
<b>Previous Site Name:</b>				<b>Y:</b> 45.349161	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">22</a>	25 of 35	NE/99.2	79.9 / -1.99	Kanata Research Park Corporation 555 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b>		4220-5HUVP4		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2003-01-18		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.909996	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.346844	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Kanata Research Park Corporation			
<b>Address:</b>		555 Legget Drive			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8337-5DXR24-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8337-5DXR24-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">22</a>	26 of 35	NE/99.2	79.9 / -1.99	Kanata Research Park Corp. 555 Legget Drive Ottawa ON K2K 2X3	GEN
<b>Generator No:</b>		ON4875456		<b>Status:</b>	
<b>SIC Code:</b>		531310		<b>Co Admin:</b> Paul Allen	
<b>SIC Description:</b>		REAL ESTATE PROPERTY MANAGERS		<b>Choice of Contact:</b> CO_ADMIN	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Years:</b>	2016			<b>Phone No Admin:</b>	613-591-0594 Ext.
<b>PO Box No:</b>				<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	No
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	145				
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES				
<b>Waste Class:</b>	243				
<b>Waste Class Desc:</b>	PCBS				
<b>Waste Class:</b>	135				
<b>Waste Class Desc:</b>	REACTIVE ANION WASTES				
<b>Waste Class:</b>	252				
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS				
<b>Waste Class:</b>	331				
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES				
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	112				
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS				
<b>Waste Class:</b>	121				
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS				
<b>Waste Class:</b>	242				
<b>Waste Class Desc:</b>	HALOGENATED PESTICIDES				
<b>Waste Class:</b>	146				
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS				
<b>Waste Class:</b>	213				
<b>Waste Class Desc:</b>	PETROLEUM DISTILLATES				
<b>Waste Class:</b>	148				
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	122				
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS				

<a href="#">22</a>	27 of 35	NE/99.2	79.9 / -1.99	<b>Kanata Research Park Corp.</b> 555 Legget Drive Ottawa ON K2K 2X3	<b>GEN</b>
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<b>Generator No:</b>	ON4875456	<b>Status:</b>	
<b>SIC Code:</b>	531310	<b>Co Admin:</b>	Bob Bisson
<b>SIC Description:</b>	REAL ESTATE PROPERTY MANAGERS	<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2015	<b>Phone No Admin:</b>	613-591-0594 Ext.
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

**Detail(s)**

<b>Waste Class:</b>	252		
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS		
<b>Waste Class:</b>	122		
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class:</b> <b>Waste Class Desc:</b>		145 PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		243 PCBS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		213 PETROLEUM DISTILLATES			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		112 ACID WASTE - HEAVY METALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		242 HALOGENATED PESTICIDES			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		121 ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		146 OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		135 REACTIVE ANION WASTES			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		212 ALIPHATIC SOLVENTS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		148 INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		331 WASTE COMPRESSED GASES			

[22](#)    28 of 35    **NE/99.2**    **79.9 / -1.99**    **Kanata Research Park Corp.**  
**555 Legget Drive**  
**Ottawa ON K2K 2X3**    **GEN**

<b>Generator No:</b>	ON4875456	<b>Status:</b>	
<b>SIC Code:</b>	531310	<b>Co Admin:</b>	Bob Bisson
<b>SIC Description:</b>	REAL ESTATE PROPERTY MANAGERS	<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2014	<b>Phone No Admin:</b>	613-591-0594 Ext.
<b>PO Box No:</b>		<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	No

**Detail(s)**

<b>Waste Class:</b> <b>Waste Class Desc:</b>	121 ALKALINE WASTES - HEAVY METALS
<b>Waste Class:</b> <b>Waste Class Desc:</b>	122 ALKALINE WASTES - OTHER METALS
<b>Waste Class:</b> <b>Waste Class Desc:</b>	331 WASTE COMPRESSED GASES
<b>Waste Class:</b> <b>Waste Class Desc:</b>	146 OTHER SPECIFIED INORGANICS
<b>Waste Class:</b> <b>Waste Class Desc:</b>	148 INORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b> <b>Waste Class Desc:</b>	135 REACTIVE ANION WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		242			
<b>Waste Class Desc:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		243			
<b>Waste Class Desc:</b>		PCBS			

<a href="#">22</a>	29 of 35	NE/99.2	79.9 / -1.99	<b>KRP Properties A Division of Wesley Clover Intern 555 Legget Drive Ottawa ON K2K 2X3</b>	GEN
<b>Generator No:</b>	ON4875456			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	146 R
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	112 C
<b>Waste Class Desc:</b>	Acid solutions - containing heavy metals
<b>Waste Class:</b>	121 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals
<b>Waste Class:</b>	122 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing other metals and non-metals (not cyanide)
<b>Waste Class:</b>	135 C
<b>Waste Class Desc:</b>	Wastes containing other reactive anions
<b>Waste Class:</b>	145 I
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints
<b>Waste Class:</b>	146 T
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	148 C
<b>Waste Class Desc:</b>	Misc. wastes and inorganic chemicals
<b>Waste Class:</b>	212 L
<b>Waste Class Desc:</b>	Aliphatic solvents and residues
<b>Waste Class:</b>	213 I

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		Petroleum distillates			
<b>Waste Class:</b>		242 A			
<b>Waste Class Desc:</b>		Halogenated pesticides and herbicides			
<b>Waste Class:</b>		243 D			
<b>Waste Class Desc:</b>		PCB			
<b>Waste Class:</b>		252 L			
<b>Waste Class Desc:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		331 I			
<b>Waste Class Desc:</b>		Waste compressed gases including cylinders			

[22](#)    30 of 35    **NE/99.2**    **79.9 / -1.99**    **KRP Properties A Division of Wesley Clover Interna**    **GEN**  
**555 Legget Drive**  
**Ottawa ON K2K 2X3**

<b>Generator No:</b>	ON4875456	<b>Status:</b>	Registered
<b>SIC Code:</b>		<b>Co Admin:</b>	
<b>SIC Description:</b>		<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Jul 2020	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	121 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals
<b>Waste Class:</b>	122 C
<b>Waste Class Desc:</b>	Alkaline slutions - containing other metals and non-metals (not cyanide)
<b>Waste Class:</b>	135 C
<b>Waste Class Desc:</b>	Wastes containing other reactive anions
<b>Waste Class:</b>	243 D
<b>Waste Class Desc:</b>	PCB
<b>Waste Class:</b>	242 A
<b>Waste Class Desc:</b>	Halogenated pesticides and herbicides
<b>Waste Class:</b>	213 I
<b>Waste Class Desc:</b>	Petroleum distillates
<b>Waste Class:</b>	331 I
<b>Waste Class Desc:</b>	Waste compressed gases including cylinders
<b>Waste Class:</b>	146 T
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	112 C
<b>Waste Class Desc:</b>	Acid solutions - containing heavy metals
<b>Waste Class:</b>	146 R
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	145 I
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints
<b>Waste Class:</b>	252 L
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		148 C			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 L			
<b>Waste Class Desc:</b>		Aliphatic solvents and residues			
<a href="#"><u>22</u></a>	31 of 35	NE/99.2	79.9 / -1.99	555 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>	20300900278			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	15-OCT-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	09-OCT-20			<b>X:</b>	-75.9194816
<b>Previous Site Name:</b>				<b>Y:</b>	45.3490575
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#"><u>22</u></a>	32 of 35	NE/99.2	79.9 / -1.99	KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3	GEN
<b>Generator No:</b>	ON4875456			<b>Status:</b>	Registered
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Nov 2021			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	252 L				
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants				
<b>Waste Class:</b>	112 C				
<b>Waste Class Desc:</b>	Acid solutions - containing heavy metals				
<b>Waste Class:</b>	135 C				
<b>Waste Class Desc:</b>	Wastes containing other reactive anions				
<b>Waste Class:</b>	145 I				
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints				
<b>Waste Class:</b>	243 D				
<b>Waste Class Desc:</b>	PCB				
<b>Waste Class:</b>	213 I				
<b>Waste Class Desc:</b>	Petroleum distillates				
<b>Waste Class:</b>	212 L				
<b>Waste Class Desc:</b>	Aliphatic solvents and residues				
<b>Waste Class:</b>	121 C				
<b>Waste Class Desc:</b>	Alkaline slutions - containing heavy metals				
<b>Waste Class:</b>	146 T				
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids				
<b>Waste Class:</b>	242 A				
<b>Waste Class Desc:</b>	Halogenated pesticides and herbicides				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		331 I			
<b>Waste Class Desc:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		148 C			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		146 R			
<b>Waste Class Desc:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		122 C			
<b>Waste Class Desc:</b>		Alkaline slutions - containing other metals and non-metals (not cyanide)			

<a href="#">22</a>	33 of 35	NE/99.2	79.9 / -1.99	555 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>	20300900278			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	15-OCT-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	09-OCT-20			<b>X:</b>	-75.9194816
<b>Previous Site Name:</b>				<b>Y:</b>	45.3490575
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

<a href="#">22</a>	34 of 35	NE/99.2	79.9 / -1.99	555 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>	20300900278			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	15-OCT-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	09-OCT-20			<b>X:</b>	-75.9194816
<b>Previous Site Name:</b>				<b>Y:</b>	45.3490575
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

<a href="#">22</a>	35 of 35	NE/99.2	79.9 / -1.99	555 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>	20300900278			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	15-OCT-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	09-OCT-20			<b>X:</b>	-75.9194816
<b>Previous Site Name:</b>				<b>Y:</b>	45.3490575
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

<a href="#">23</a>	1 of 2	SSE/106.7	80.8 / -1.14	Trend Micro, Inc. 40 Hines Rd Suite 200 Kanata ON K2K 2M5	SCT
<b>Established:</b>	01-AUG-98				
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>	Software Publishers				
<b>SIC/NAICS Code:</b>	511210				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<a href="#">23</a>	2 of 2	SSE/106.7	80.8 / -1.14	KRP Properties 40 Hines Road Ottawa ON K2K 2M5	GEN
<b>Generator No:</b>	ON5372742			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	146 T				
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids				
<a href="#">24</a>	1 of 10	E/107.7	78.7 / -3.19	Open Text Corporation 515 Legget Dr Suite 300 Kanata ON K2K 3G4	SCT
<b>Established:</b>	1983				
<b>Plant Size (ft²):</b>	19000				
<b>Employment:</b>	55				
<b><u>--Details--</u></b>					
<b>Description:</b>	Software Publishers				
<b>SIC/NAICS Code:</b>	511210				
<b>Description:</b>	Computer Systems Design and Related Services				
<b>SIC/NAICS Code:</b>	541510				
<a href="#">24</a>	2 of 10	E/107.7	78.7 / -3.19	Ubiquity Software Corp. 515 Legget Dr Suite 400 Ottawa ON K2K 3G4	SCT
<b>Established:</b>	1993				
<b>Plant Size (ft²):</b>					
<b>Employment:</b>	90				
<b><u>--Details--</u></b>					
<b>Description:</b>	Software Publishers				
<b>SIC/NAICS Code:</b>	511210				
<a href="#">24</a>	3 of 10	E/107.7	78.7 / -3.19	Kanata Research Park Corporation 515 Legget drive Ottawa ON	SPL
<b>Ref No:</b>	8118-7LCLK2			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	
<b>Incident Dt:</b>				<b>Health/Env Conseq:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	Unknown			<b>Sector Type:</b>	Other
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	13			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	DIESEL FUEL			<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	Ottawa
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	Not Anticipated			<b>Site Municipality:</b>	Ottawa
<b>Nature of Impact:</b>				<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>	Referral to others			<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	11/13/2008			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>	11/26/2008			<b>SAC Action Class:</b>	Land Spills
<b>Incident Reason:</b>	Unknown - Reason not determined			<b>Source Type:</b>	
<b>Site Name:</b>	Kanata Research Park Corp<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	Kanata Research Park, Diesel to Grnd cln				
<b>Contaminant Qty:</b>	other - see incident description				

[24](#) 4 of 10 E/107.7 78.7 / -3.19 Kanata Research Park Corporation 515 Legget Drive Ottawa ON CA

**Certificate #:** 2275-5HUU47  
**Application Year:** 2003  
**Issue Date:** 1/18/2003  
**Approval Type:** Air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

[24](#) 5 of 10 E/107.7 78.7 / -3.19 Quest Software Canada Inc. 515 Legget Dr Suite 1001 Kanata ON K2K 3G4 SCT

**Established:** 01-APR-87  
**Plant Size (ft²):**  
**Employment:**

**--Details--**  
**Description:** Computer Systems Design and Related Services  
**SIC/NAICS Code:** 541510

**Description:** Software Publishers  
**SIC/NAICS Code:** 511210

[24](#) 6 of 10 E/107.7 78.7 / -3.19 515 LEGGET DRIVE KANATA ON HINC

**External File Num:** FS INC 0811-07034

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Fuel Occurrence Type:</b>		Leak			
<b>Date of Occurrence:</b>		11/13/2008			
<b>Fuel Type Involved:</b>		Fuel Oil			
<b>Status Desc:</b>		Completed - Causal Analysis(End)			
<b>Job Type Desc:</b>		Incident/Near-Miss Occurrence (FS)			
<b>Oper. Type Involved:</b>		Commercial (e.g. restaurant, business unit, etc)			
<b>Service Interruptions:</b>		No			
<b>Property Damage:</b>		No			
<b>Fuel Life Cycle Stage:</b>		Utilization			
<b>Root Cause:</b>		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes Training:Yes Management:No Human Factors:Yes			
<b>Reported Details:</b>					
<b>Fuel Category:</b>		Liquid Fuel			
<b>Occurrence Type:</b>		Incident			
<b>Affiliation:</b>		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
<b>County Name:</b>		Ottawa			
<b>Approx. Quant. Rel:</b>					
<b>Nearby body of water:</b>					
<b>Enter Drainage Syst.:</b>					
<b>Approx. Quant. Unit:</b>					
<b>Environmental Impact:</b>					

<a href="#">24</a>	7 of 10	E/107.7	78.7 / -3.19	515 Legget Drive Ottawa ON	EHS
<b>Order No:</b>		20120116006		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		1/20/2012		<b>Search Radius (km):</b> 0.25	
<b>Date Received:</b>		1/16/2012 11:23:28 AM		<b>X:</b> -75.91645	
<b>Previous Site Name:</b>				<b>Y:</b> 45.346799	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

<a href="#">24</a>	8 of 10	E/107.7	78.7 / -3.19	KANATA RESEARCH PARK 515 LEGGET Drive KANATA ON K2K3G4	NPRI
<b>NPRI ID:</b>		8800000228		<b>Org ID:</b>	
<b>Other ID:</b>					
<b>No Other ID:</b>					
<b>Track ID:</b>					
<b>Report ID:</b>					
<b>Report Type:</b>					
<b>Rpt Type ID:</b>					
<b>Report Year:</b>		2004		<b>Cont Type:</b> MED	
<b>Not-Current Rpt?:</b>					
<b>Yr of Last Filed Rpt:</b>					
<b>Fac ID:</b>					
<b>Fac Name:</b>		TOWER D		<b>Cont First Name:</b>	
<b>Fac Address1:</b>					
<b>Fac Address2:</b>					
<b>Fac Postal Zip:</b>					
<b>Facility Lat:</b>					
<b>Facility Long:</b>					
<b>DLS (Last Filed Rpt):</b>					
<b>Facility DLS:</b>					
<b>Datum:</b>					
<b>Facility Cmnts:</b>					
<b>URL:</b>					
<b>No of Empl.:</b>		294		<b>Cont Last Name:</b>	
<b>Parent Co.:</b>					
				<b>Contact Position:</b>	
				<b>Contact Fax:</b>	
				<b>Contact Ph.:</b>	
				<b>Cont Area Code:</b>	
				<b>Contact Tel.:</b>	
				<b>Contact Ext.:</b>	
				<b>Cont Fax Area Cde:</b>	
				<b>Contact Fax:</b>	
				<b>Contact Email:</b>	
				<b>Latitude:</b>	
				<b>Longitude:</b>	
				<b>UTM Zone:</b>	
				<b>UTM Northing:</b>	
				<b>UTM Easting:</b>	
				<b>Waste Streams:</b>	
				<b>No Streams:</b>	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>No Parent Co.:</b> <b>Pollut Prev Cmnts:</b> <b>Stacks:</b> <b>No of Stacks:</b> <b>Canadian SIC Code (2 digit):</b> <b>Canadian SIC Code:</b> <b>SIC Code Description:</b> <b>American SIC Code:</b> <b>NAICS Code (2 digit):</b> <b>NAICS 2 Description:</b> <b>NAICS Code (4 digit):</b> <b>NAICS 4 Description:</b> <b>NAICS Code (6 digit):</b> <b>NAICS 6 Description:</b>				<b>Waste Off Sites:</b> <b>No Off Sites:</b> <b>Shutdown:</b> <b>No of Shutdown:</b>	
			53	Real Estate and Rental and Leasing	
			5311		
				Lessors of Real Estate	
			531120		
				Lessors of Non-Residential Buildings (except Mini-Warehouses)	
<b><u>Substance Release Report</u></b>					
<b>CAS No:</b>			10024-97-2		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Nitrous oxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			124-38-9		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Carbon dioxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			630-08-0		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Carbon monoxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			NA - M16		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Volatile Organic Compounds (VOCs)		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			10102-43-9		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Oxides of nitrogen (expressed as NO)		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Units:</b>		tonnes			
<b>CAS No:</b>		74-82-8			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Methane			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M09			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM10 - Particulate Matter <= 10 Microns			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		7446-09-5			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Sulphur dioxide			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		811-97-2			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		HFC-134a Hydrofluorocarbon			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M08			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM - Total Particulate Matter			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M10			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM2.5 - Particulate Matter <= 2.5 Microns			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>24</b>	<b>9 of 10</b>	<b>E/107.7</b>	<b>78.7 / -3.19</b>	<b>515 Legget Dr Ottawa ON K2K3G4</b>	<b>EHS</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Order No:</b> 20160614073 <b>Status:</b> C <b>Report Type:</b> Custom Report <b>Report Date:</b> 20-JUN-16 <b>Date Received:</b> 14-JUN-16 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.917214 <b>Y:</b> 45.347623					
<a href="#">24</a>	10 of 10	E/107.7	78.7 / -3.19	<b>Kanata Research Park Corporation</b> 515 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b> 2275-5HUU47 <b>Approval Date:</b> 2003-01-18 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> Kanata Research Park Corporation <b>Address:</b> 515 Legget Drive <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4311-5DXQ9R-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4311-5DXQ9R-14.pdf</a> <b>PDF Site Location:</b>					
<b>MOE District:</b> Ottawa <b>City:</b> <b>Longitude:</b> -75.91614 <b>Latitude:</b> 45.346527 <b>Geometry X:</b> <b>Geometry Y:</b>					
<a href="#">25</a>	1 of 2	ENE/119.0	77.2 / -4.75	<b>525 Legget Drive</b> Ottawa (Formerly Kanata) ON K2K 2W2	EHS
<b>Order No:</b> 20070627004 <b>Status:</b> C <b>Report Type:</b> CAN - Complete Report <b>Report Date:</b> 7/6/2007 <b>Date Received:</b> 6/27/2007 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> 4.55 Acre <b>Additional Info Ordered:</b> City Directory					
<b>Nearest Intersection:</b> Terry Fox Drive and Legget Drive <b>Municipality:</b> Ottawa <b>Client Prov/State:</b> <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.918152 <b>Y:</b> 45.348691					
<a href="#">25</a>	2 of 2	ENE/119.0	77.2 / -4.75	<b>Legget Drive Development Inc.</b> 515 and 525 Legget Dr Ottawa ON K1P 6E2	ECA
<b>Approval No:</b> 3598-9STV8V <b>Approval Date:</b> 2015-01-16 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> Legget Drive Development Inc. <b>Address:</b> 515 and 525 Legget Dr <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7005-9RARBH-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7005-9RARBH-14.pdf</a> <b>PDF Site Location:</b>					
<b>MOE District:</b> <b>City:</b> <b>Longitude:</b> <b>Latitude:</b> <b>Geometry X:</b> <b>Geometry Y:</b>					
<a href="#">26</a>	1 of 4	SSW/119.6	83.9 / 1.95	<b>70 Hines Rd.</b> Kanata ON K2K 2M5	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Order No:</b> 20030506003 <b>Status:</b> C <b>Report Type:</b> Complete Report <b>Report Date:</b> 5/14/03 <b>Date Received:</b> 5/6/03 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.35 <b>X:</b> -75.922054 <b>Y:</b> 45.345364					
<a href="#">26</a>	2 of 4	SSW/119.6	83.9 / 1.95	2117547 Ontario Inc. 70 Hines Rd Ottawa ON	CA
<b>Certificate #:</b> 1183-8GPFW8 <b>Application Year:</b> 2011 <b>Issue Date:</b> 5/20/2011 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">26</a>	3 of 4	SSW/119.6	83.9 / 1.95	2117547 Ontario Inc. 70 Hines Rd Ottawa ON K2V 1B8	ECA
<b>Approval No:</b> 1183-8GPFW8 <b>Approval Date:</b> 2011-05-20 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> 2117547 Ontario Inc. <b>Address:</b> 70 Hines Rd <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4593-89YRCE-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4593-89YRCE-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">26</a>	4 of 4	SSW/119.6	83.9 / 1.95	Rogers Communications Inc. 70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	SPL
<b>Ref No:</b> 4845-BF9RH6 <b>Site No:</b> NA; 3801-89YRCZ <b>Incident Dt:</b> 8/20/2019 <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Leak/Break <b>Contaminant Code:</b> 13 <b>Contaminant Name:</b> DIESEL FUEL <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> 1202					
<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> 2 - Minor Environment Corporation <b>Client Type:</b> Unknown / N/A <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 70 Hines Rd.; 70 Hines Rd <b>Site District Office:</b> Ottawa; Ottawa <b>Site Postal Code:</b> K2K 2M5 <b>Site Region:</b> Eastern					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> Land; Source Water Zone <b>MOE Response:</b> No <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 8/21/2019 <b>Dt Document Closed:</b> <b>Incident Reason:</b> Material Failure - Poor Design/Substandard Material				<b>Site Municipality:</b> Ottawa; Ottawa <b>Site Lot:</b> <b>Site Conc:</b> NA <b>Northing:</b> NA <b>Easting:</b> NA <b>Site Geo Ref Accu:</b> NA <b>Site Map Datum:</b> NA <b>SAC Action Class:</b> Land Spills <b>Source Type:</b> Valve/Fitting/Piping	
<b>Site Name:</b> Legion Branch 638<UNOFFICIAL>; 70 Hines Road <b>Site County/District:</b> NA <b>Site Geo Ref Meth:</b> NA <b>Incident Summary:</b> Rogers: ~150-250L diesel to ground/cracked line <b>Contaminant Qty:</b> 250 L					
<a href="#">27</a>	1 of 2	SSW/119.7	84.6 / 2.67	80 Hines Road n/a ON K2K 2T8	EHS
<b>Order No:</b> 20060623001w <b>Status:</b> C <b>Report Type:</b> Online Mapless <b>Report Date:</b> 6/23/2006 <b>Date Received:</b> 6/23/2006 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>				<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> CA <b>Search Radius (km):</b> 0.25 <b>X:</b> <b>Y:</b>	
<a href="#">27</a>	2 of 2	SSW/119.7	84.6 / 2.67	AMCC 80 Hines Rd. Kanata ON K2K 2T8	GEN
<b>Generator No:</b> ON4203674 <b>SIC Code:</b> 339990 <b>SIC Description:</b> All Other Miscellaneous Manufacturing <b>Approval Years:</b> 06,07,08 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 251					
<b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES					
<b>Waste Class:</b> 252					
<b>Waste Class Desc:</b> WASTE OILS & LUBRICANTS					
<b>Waste Class:</b> 263					
<b>Waste Class Desc:</b> ORGANIC LABORATORY CHEMICALS					
<a href="#">28</a>	1 of 7	WSW/121.8	84.9 / 2.99	ROHDE & SCHWARZ CANADA 555 MARCH RD KANATA ON K2K 2M5	SCT
<b>Established:</b> 1970 <b>Plant Size (ft²):</b> 6000 <b>Employment:</b> 17					
<b>--Details--</b>					
<b>Description:</b>		RADIO AND TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC/NAICS Code:</b>		3663			
<b>Description:</b>		SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEMS AND INSTRUMENTS			
<b>SIC/NAICS Code:</b>		3812			
<a href="#"><u>28</u></a>	2 of 7	<b>WSW/121.8</b>	<b>84.9 / 2.99</b>	<b>TEKTRONIX CANADA INC. 555 MARCH RD KANATA ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		0000			
<b>Plant Size (ft²):</b>		0			
<b>Employment:</b>		8			
<b>--Details--</b>					
<b>Description:</b>		COMPUTERS AND COMPUTER PERIPHERAL EQUIPMENT AND SOFTWARE			
<b>SIC/NAICS Code:</b>		5045			
<b>Description:</b>		ELECTRONIC PARTS AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		5065			
<a href="#"><u>28</u></a>	3 of 7	<b>WSW/121.8</b>	<b>84.9 / 2.99</b>	<b>Rohde &amp; Schwarz Canada Inc. 555 March Rd Kanata ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1970			
<b>Plant Size (ft²):</b>		8000			
<b>Employment:</b>		23			
<b>--Details--</b>					
<b>Description:</b>		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417230			
<b>Description:</b>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417320			
<b>Description:</b>		Professional Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417930			
<a href="#"><u>28</u></a>	4 of 7	<b>WSW/121.8</b>	<b>84.9 / 2.99</b>	<b>Localcity 555 March Rd Kanata ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1996			
<b>Plant Size (ft²):</b>		12			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Other Printing			
<b>SIC/NAICS Code:</b>		323119			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<a href="#"><u>28</u></a>	5 of 7	<b>WSW/121.8</b>	<b>84.9 / 2.99</b>	<b>Local City Inc. 555 March Rd</b>	<b>SCT</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Kanata ON K2K 2M5</i>					
				<b>Established:</b> 1996 <b>Plant Size (ft²):</b> <b>Employment:</b> 12	
				<b>--Details--</b> <b>Description:</b> Other Printing <b>SIC/NAICS Code:</b> 323119	
				<b>Description:</b> Manufacturing and Reproducing Magnetic and Optical Media <b>SIC/NAICS Code:</b> 334610	
<a href="#">28</a>	6 of 7	WSW/121.8	84.9 / 2.99	<b>ASAP-CD Solutions</b> <b>555 March Rd</b> <b>Ottawa ON K2K 2M5</b>	SCT
				<b>Established:</b> 1996 <b>Plant Size (ft²):</b> <b>Employment:</b> 7	
				<b>--Details--</b> <b>Description:</b> Commercial Screen Printing <b>SIC/NAICS Code:</b> 323113	
				<b>Description:</b> Other Printing <b>SIC/NAICS Code:</b> 323119	
				<b>Description:</b> Manufacturing and Reproducing Magnetic and Optical Media <b>SIC/NAICS Code:</b> 334610	
				<b>Description:</b> Sound Recording Studios <b>SIC/NAICS Code:</b> 512240	
<a href="#">28</a>	7 of 7	WSW/121.8	84.9 / 2.99	<b>555 March Road</b> <b>Ottawa (Kanata) ON</b>	EHS
				<b>Order No:</b> 20050715001 <b>Status:</b> C <b>Report Type:</b> Custom Report <b>Report Date:</b> 7/25/2005 <b>Date Received:</b> 7/15/2005 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>	
				<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.922669 <b>Y:</b> 45.347131	
<a href="#">29</a>	1 of 19	W/135.6	84.8 / 2.88	<b>NEWBRIDGE NETWORKS CORP. - 8-4051-90</b> <b>603 MARCH ROAD (8-4053-90)</b> <b>KANATA CITY ON K2K 2M5</b>	CA
				<b>Certificate #:</b> 8-4052-90- <b>Application Year:</b> 90 <b>Issue Date:</b> 4/27/1990 <b>Approval Type:</b> Industrial air <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EXHAUST SYSTEM NO. 2 <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">29</a>	2 of 19	W/135.6	84.8 / 2.88	NEWBRIDGE NETWORKS CORP. 8-4052-90 603 MARCH ROAD KANATA CITY ON K2K 2M5	CA
<b>Certificate #:</b> 8-4053-90- <b>Application Year:</b> 90 <b>Issue Date:</b> 4/27/1990 <b>Approval Type:</b> Industrial air <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EXHAUST SYSTEM NO. 3 <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">29</a>	3 of 19	W/135.6	84.8 / 2.88	NEWBRIDGE NETWORKS CORP. - 8-4053-90 603 MARCH ROAD (8-4051-90) KANATA CITY ON K2K 2M5	CA
<b>Certificate #:</b> 8-4054-90- <b>Application Year:</b> 90 <b>Issue Date:</b> 4/27/1990 <b>Approval Type:</b> Industrial air <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EXHAUST SYSTEM NO. 5 <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">29</a>	4 of 19	W/135.6	84.8 / 2.88	NEWBRIDGE NETWORKS CORP. - 8-4052-90 603 MARCH ROAD (8-4054-90) KANATA CITY ON K2K 2M5	CA
<b>Certificate #:</b> 8-4051-90- <b>Application Year:</b> 90 <b>Issue Date:</b> 8/7/1991 <b>Approval Type:</b> Industrial air <b>Status:</b> Approved in 1991 <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EXHAUST SYSTEM NO. 1 <b>Contaminants:</b> N-Propyl Alcohol, Trifluorotrichloroethane, Acetone, Other Contaminant, Methyl Chloroform, Hydrogen Peroxide, N-Propyl Alcohol, Propylene Glycolmonomethyl Ether Acetate, P.M.Ace. <b>Emission Control:</b> No Controls					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">29</a>	5 of 19	W/135.6	84.8 / 2.88	TUNDRA SEMICONDUCTORS CORPORAT 603 MARCH RD KANATA ON K2K 2M5	SCT
<b>Established:</b>		1983			
<b>Plant Size (ft²):</b>		40000			
<b>Employment:</b>		60			
<b>--Details--</b>					
<b>Description:</b>		INDUSTRIAL INSTRUMENTS FOR MEASUREMENT, DISPLAY, AND CONTROL OF PROCESS VARIABLES; & RELATED ITEMS			
<b>SIC/NAICS Code:</b>		3823			
<b>Description:</b>		SEMICONDUCTORS AND RELATED DEVICES			
<b>SIC/NAICS Code:</b>		3674			
<b>Description:</b>		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3679			
<a href="#">29</a>	6 of 19	W/135.6	84.8 / 2.88	Tundra Semiconductor Corp 603 March Rd Kanata ON K2K 2M5	SCT
<b>Established:</b>		1995			
<b>Plant Size (ft²):</b>		40000			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">29</a>	7 of 19	W/135.6	84.8 / 2.88	603 March Road Kanata ON K2K 2M5	CA
<b>Certificate #:</b>		8-4051-90-916			
<b>Application Year:</b>		01			
<b>Issue Date:</b>		4/6/01			
<b>Approval Type:</b>		Industrial air			
<b>Status:</b>		Approved			
<b>Application Type:</b>		Revocation			
<b>Client Name:</b>		Newbridge Networks Corporation			
<b>Client Address:</b>		600 March Road, P.O. Box 13600			
<b>Client City:</b>		Kanata			
<b>Client Postal Code:</b>		K2K 2E6			
<b>Project Description:</b>		Revocation of CofA for Exhaust System No. 1 serving the Environmental Testing Room, Exhaust System No. 2 serving the Clean Room, Exhaust system No. 3 serving the soldering stations in the Production Area, and the Exhaust System No. 5 serving the Burn-In Laboratory.			
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">29</a>	8 of 19	W/135.6	84.8 / 2.88	TRILLIUM TELEPHONE SYSTEMS INC. 603 MARCH ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b>		ON0424800		<b>Status:</b>	
<b>SIC Code:</b>		3351		<b>Co Admin:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Description:</b> TELECOMMUNICATIONS <b>Approval Years:</b> 86,87,88,89,90 <b>PO Box No:</b> <b>Country:</b>				<b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 241 <b>Waste Class Desc:</b> HALOGENATED SOLVENTS					
<a href="#">29</a>	9 of 19	W/135.6	84.8 / 2.88	<b>TRILLIUM TELEPHONE SYSTEMS INC.</b> <b>603 MARCH ROAD</b> <b>KANATA ON K2K 2M5</b>	GEN
<b>Generator No:</b> ON0424800 <b>SIC Code:</b> 3351 <b>SIC Description:</b> TELECOMMUNICATIONS <b>Approval Years:</b> 92,93 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 241 <b>Waste Class Desc:</b> HALOGENATED SOLVENTS					
<a href="#">29</a>	10 of 19	W/135.6	84.8 / 2.88	<b>TRILLIUM TELEPHONE SYSTEMS INC. 38-102</b> <b>603 MARCH ROAD</b> <b>KANATA ON K2K 2M5</b>	GEN
<b>Generator No:</b> ON0424800 <b>SIC Code:</b> 3351 <b>SIC Description:</b> TELECOMMUNICATIONS <b>Approval Years:</b> 94,95,96 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 241 <b>Waste Class Desc:</b> HALOGENATED SOLVENTS					
<a href="#">29</a>	11 of 19	W/135.6	84.8 / 2.88	<b>TRILLIUM TELEPHONE (OUT OF BUS)</b> <b>603 MARCH ROAD</b> <b>KANATA ON K2K 2M5</b>	GEN
<b>Generator No:</b> ON0424800 <b>SIC Code:</b> 3351 <b>SIC Description:</b> TELECOMMUNICATIONS <b>Approval Years:</b> 97,98 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 241 <b>Waste Class Desc:</b> HALOGENATED SOLVENTS					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">29</a>	12 of 19	W/135.6	84.8 / 2.88	NEWBRIDGE NETWORKS CORPORATION 28-807 603 MARCH ROAD C/O 600 MARCH RD., P.O. BOX 13600 KANATA ON K2K 2M5	GEN
<b>Generator No:</b>	ON1052001			<b>Status:</b>	
<b>SIC Code:</b>	3351			<b>Co Admin:</b>	
<b>SIC Description:</b>	TELECOMMUNICATIONS			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	92,93,94,95,96,97,98			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	113				
<b>Waste Class Desc:</b>	ACID WASTE - OTHER METALS				
<a href="#">29</a>	13 of 19	W/135.6	84.8 / 2.88	Tundra Semiconductor Corporation 603 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b>	ON9981810			<b>Status:</b>	
<b>SIC Code:</b>	334410			<b>Co Admin:</b>	
<b>SIC Description:</b>	Semiconductor and Other Electronic Component Manufacturing			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	05			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	263				
<b>Waste Class Desc:</b>	ORGANIC LABORATORY CHEMICALS				
<a href="#">29</a>	14 of 19	W/135.6	84.8 / 2.88	IDT Canada 603 March Rd Kanata ON K2K 2M5	SCT
<b>Established:</b>	01-JUL-79				
<b>Plant Size (ft²):</b>	40000				
<b>Employment:</b>					
<b><u>--Details--</u></b>					
<b>Description:</b>	Research and Development in the Physical, Engineering and Life Sciences				
<b>SIC/NAICS Code:</b>	541710				
<a href="#">29</a>	15 of 19	W/135.6	84.8 / 2.88	603 March Road Kanata ON K2K 2M5	EHS
<b>Order No:</b>	20312300041			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	26-NOV-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	23-NOV-20			<b>X:</b>	-75.9252848
<b>Previous Site Name:</b>				<b>Y:</b>	45.3478313
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">29</a>	16 of 19	W/135.6	84.8 / 2.88	603 March Road Kanata ON K2K 2M5	EHS
<b>Order No:</b>	20312300041			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	26-NOV-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	23-NOV-20			<b>X:</b>	-75.9252848
<b>Previous Site Name:</b>				<b>Y:</b>	45.3478313
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans				
<a href="#">29</a>	17 of 19	W/135.6	84.8 / 2.88	603 March Road Kanata ON K2K 2M5	EHS
<b>Order No:</b>	20312300041			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	26-NOV-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	23-NOV-20			<b>X:</b>	-75.9252848
<b>Previous Site Name:</b>				<b>Y:</b>	45.3478313
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans				
<a href="#">29</a>	18 of 19	W/135.6	84.8 / 2.88	603 March Road Kanata ON K2K 2M5	EHS
<b>Order No:</b>	20312300041			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	26-NOV-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	23-NOV-20			<b>X:</b>	-75.9252848
<b>Previous Site Name:</b>				<b>Y:</b>	45.3478313
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans				
<a href="#">29</a>	19 of 19	W/135.6	84.8 / 2.88	603 March Rd Kanata ON K2K 2M5	EHS
<b>Order No:</b>	21102800425			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	02-NOV-21			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	28-OCT-21			<b>X:</b>	-75.9252848
<b>Previous Site Name:</b>				<b>Y:</b>	45.3478313
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">30</a>	1 of 1	WSW/141.1	85.7 / 3.80	D.I.R. Investments Inc.  Ottawa ON K0A 1A0	ECA
<b>Approval No:</b>	2390-6NBQN4			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2006-04-03			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.92376
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.346516
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Type:</b> <b>Project Type:</b> <b>Business Name:</b> <b>Address:</b> <b>Full Address:</b> <b>Full PDF Link:</b> <b>PDF Site Location:</b>		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS D.I.R. Investments Inc.  https://www.accessenvironment.ene.gov.on.ca/instruments/8134-6MRTG9-14.pdf			
<a href="#">31</a>	1 of 1	ESE/152.1	77.9 / -4.05	<b>Broccolini Construction Ottawa Inc.</b> 515 Legget Drive Ottawa ON K2K 3G4	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>		ON3449897 236210, 235220 INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION, 235220 2015 Canada		<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	CO_OFFICIAL  No No
<b>Detail(s)</b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>		251 OIL SKIMMINGS & SLUDGES			
<a href="#">32</a>	1 of 16	S/155.3	82.9 / 0.95	<b>EXCALIBUR SYSTEMS LTD.</b> 50 Hines Rd Kanata ON K2K 2M5	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		1988 10000 21			
<b>--Details--</b>					
<b>Description:</b> <b>SIC/NAICS Code:</b>		All Other General-Purpose Machinery Manufacturing 333990			
<b>Description:</b> <b>SIC/NAICS Code:</b>		Semiconductor and Other Electronic Component Manufacturing 334410			
<b>Description:</b> <b>SIC/NAICS Code:</b>		Navigational and Guidance Instruments Manufacturing 334511			
<b>Description:</b> <b>SIC/NAICS Code:</b>		Manufacturing and Reproducing Magnetic and Optical Media 334610			
<a href="#">32</a>	2 of 16	S/155.3	82.9 / 0.95	<b>HUBER &amp; SUHNER CANADA</b> 50 HINES ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>		ON2494100 4821 TELECOMMUN. CARRIERS 99,00,01,03		<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b>Detail(s)</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		251			
<b>Waste Class Desc:</b>		OIL SKIMMINGS & SLUDGES			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">32</a>	3 of 16	S/155.3	82.9 / 0.95	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b>	ON2494100			<b>Status:</b>	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	02			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<a href="#">32</a>	4 of 16	S/155.3	82.9 / 0.95	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b>	ON2494100			<b>Status:</b>	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	04			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<a href="#">32</a>	5 of 16	S/155.3	82.9 / 0.95	DRS EW & Network Systems 50 Hines Rd Kanata ON K2K 2M5	SCT
<b>Established:</b>	1988				
<b>Plant Size (ft²):</b>	10000				
<b>Employment:</b>	25				
<b>--Details--</b>					
<b>Description:</b>	All Other General-Purpose Machinery Manufacturing				
<b>SIC/NAICS Code:</b>	333990				
<b>Description:</b>	Semiconductor and Other Electronic Component Manufacturing				
<b>SIC/NAICS Code:</b>	334410				
<b>Description:</b>	Navigational and Guidance Instruments Manufacturing				
<b>SIC/NAICS Code:</b>	334511				
<b>Description:</b>	Manufacturing and Reproducing Magnetic and Optical Media				
<b>SIC/NAICS Code:</b>	334610				
<a href="#">32</a>	6 of 16	S/155.3	82.9 / 0.95	WorkDynamics Technologies 50 Hines Rd Suite 220 Kanata ON K2K 2M5	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Established:</b>		01-OCT-98			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			

<a href="#">32</a>	7 of 16	S/155.3	82.9 / 0.95	<b>DRS EW &amp; Network Systems (Canada) Ltd.</b> 50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	<b>EBR</b>
<b>EBR Registry No:</b>		IA04E1366		<b>Decision Posted:</b>	
<b>Ministry Ref No:</b>		5540-654NXU		<b>Exception Posted:</b>	
<b>Notice Type:</b>		Instrument Decision		<b>Section:</b>	
<b>Notice Stage:</b>				<b>Act 1:</b>	
<b>Notice Date:</b>		February 22, 2005		<b>Act 2:</b>	
<b>Proposal Date:</b>		September 24, 2004		<b>Site Location Map:</b>	
<b>Year:</b>		2004			
<b>Instrument Type:</b>		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
<b>Off Instrument Name:</b>					
<b>Posted By:</b>					
<b>Company Name:</b>		DRS EW & Network Systems (Canada) Ltd.			
<b>Site Address:</b>					
<b>Location Other:</b>					
<b>Proponent Name:</b>					
<b>Proponent Address:</b>		50 Hines Road, Suite 200, Ottawa Ontario, K2K 2M5			
<b>Comment Period:</b>					
<b>URL:</b>					
<b>Site Location Details:</b>					
50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa					

<a href="#">32</a>	8 of 16	S/155.3	82.9 / 0.95	<b>Power Integrations Canada Inc.</b> 50 Hines Rd Suite 240 Kanata ON K2K 2M5	<b>SCT</b>
<b>Established:</b>		01-AUG-00			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Research and Development in the Physical, Engineering and Life Sciences			
<b>SIC/NAICS Code:</b>		541710			

<a href="#">32</a>	9 of 16	S/155.3	82.9 / 0.95	<b>OneChip Photonics Inc.</b> 50 Hines Rd Suite 200 Kanata ON K2K 2M5	<b>SCT</b>
<b>Established:</b>		8/1/2005			
<b>Plant Size (ft²):</b>		17000			
<b>Employment:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**--Details--**

**Description:** Commercial and Service Industry Machinery Manufacturing  
**SIC/NAICS Code:** 333310

<a href="#">32</a>	10 of 16	S/155.3	82.9 / 0.95	<b>Cyrium Technologies Incorporated</b> 50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	<b>EBR</b>
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<b>EBR Registry No:</b>	010-9829	<b>Decision Posted:</b>
<b>Ministry Ref No:</b>	5633-84JKT3	<b>Exception Posted:</b>
<b>Notice Type:</b>	Instrument Decision	<b>Section:</b>
<b>Notice Stage:</b>		<b>Act 1:</b>
<b>Notice Date:</b>	January 07, 2011	<b>Act 2:</b>
<b>Proposal Date:</b>	April 27, 2010	<b>Site Location Map:</b>
<b>Year:</b>	2010	
<b>Instrument Type:</b>	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)	
<b>Off Instrument Name:</b>		
<b>Posted By:</b>		
<b>Company Name:</b>	Cyrium Technologies Incorporated	
<b>Site Address:</b>		
<b>Location Other:</b>		
<b>Proponent Name:</b>		
<b>Proponent Address:</b>	50 Hines Road , Suite 200, Kanata Ontario, Canada K2K 2M5	
<b>Comment Period:</b>		
<b>URL:</b>		

**Site Location Details:**

50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA

<a href="#">32</a>	11 of 16	S/155.3	82.9 / 0.95	<b>Cyrium Technologies Incorporated</b> 50 Hines Rd Kanata Ottawa ON	<b>CA</b>
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<b>Certificate #:</b>	0093-89LSKT
<b>Application Year:</b>	2010
<b>Issue Date:</b>	12/15/2010
<b>Approval Type:</b>	Air
<b>Status:</b>	Approved
<b>Application Type:</b>	
<b>Client Name:</b>	
<b>Client Address:</b>	
<b>Client City:</b>	
<b>Client Postal Code:</b>	
<b>Project Description:</b>	
<b>Contaminants:</b>	
<b>Emission Control:</b>	

<a href="#">32</a>	12 of 16	S/155.3	82.9 / 0.95	<b>DRS EW &amp; Network Systems (Canada) Ltd.</b> 50 Hines Road, Suite 200 Ottawa ON	<b>CA</b>
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<b>Certificate #:</b>	0429-69NPJ2
<b>Application Year:</b>	2005
<b>Issue Date:</b>	2/16/2005
<b>Approval Type:</b>	Air
<b>Status:</b>	Approved

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">32</a>	13 of 16	S/155.3	82.9 / 0.95	Merge Healthcare Incorporated 50 Hines Rd Suite 120 Kanata ON K2K 2M5	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">32</a>	14 of 16	S/155.3	82.9 / 0.95	GaN Systems Inc. 50 Hines road, suite 204 Ottawa ON	GEN
<b>Generator No:</b>		ON8149211		<b>Status:</b>	
<b>SIC Code:</b>		334290		<b>Co Admin:</b>	
<b>SIC Description:</b>		OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2013		<b>Phone No Admin:</b>	
<b>PO Box No:</b>					
<b>Country:</b>		<b>MHSW Facility:</b>			
<b>Detail(s)</b>					
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">32</a>	15 of 16	S/155.3	82.9 / 0.95	Cyrium Technologies Incorporated 50 Hines Rd Kanata Ottawa ON	ECA
<b>Approval No:</b>		0093-89LSKT		<b>MOE District:</b>	
<b>Approval Date:</b>		2010-12-15		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b>	
<b>Record Type:</b>		ECA		<b>Latitude:</b>	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Cyrium Technologies Incorporated			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Address:</b>		50 Hines Rd Kanata			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5633-84JKT3-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5633-84JKT3-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">32</a>	16 of 16	S/155.3	82.9 / 0.95	<b>DRS EW &amp; Network Systems (Canada) Ltd. 50 Hines Road, Suite 200 Ottawa ON K2K 2M5</b>	<b>ECA</b>
<b>Approval No:</b>		0429-69NPJ2		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2005-02-16		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.921005	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.344448	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		DRS EW & Network Systems (Canada) Ltd.			
<b>Address:</b>		50 Hines Road, Suite 200			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5540-654NXU-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5540-654NXU-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">33</a>	1 of 1	W/165.4	84.9 / 3.02	<b>595 March Road, Block E Kanata ON</b>	<b>EHS</b>
<b>Order No:</b>		20071130013		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		CAN - Complete Report		<b>Client Prov/State:</b>	
<b>Report Date:</b>		12/5/2007		<b>Search Radius (km):</b> 0.25	
<b>Date Received:</b>		11/30/2007		<b>X:</b> -75.925221	
<b>Previous Site Name:</b>				<b>Y:</b> 45.347369	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>		City Directory			
<a href="#">34</a>	1 of 7	SSW/169.0	84.8 / 2.92	<b>TeleWatch Monitoring Services 84 Hines Rd Suite 130 Kanata ON K2K 3G3</b>	<b>SCT</b>
<b>Established:</b>		2003			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Other Scientific and Technical Consulting Services			
<b>SIC/NAICS Code:</b>		541690			
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<a href="#">34</a>	2 of 7	SSW/169.0	84.8 / 2.92	<b>Metconnex Inc. 84 Hines Road Suite 260</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON					
<b>Generator No:</b>	ON3229484			<b>Status:</b>	
<b>SIC Code:</b>	339990			<b>Co Admin:</b>	
<b>SIC Description:</b>	All Other Miscellaneous Manufacturing			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	06			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	148				
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	232				
<b>Waste Class Desc:</b>	POLYMERIC RESINS				
<b>34</b>	<b>3 of 7</b>	<b>SSW/169.0</b>	<b>84.8 / 2.92</b>	<b>Sidense Corp. 84 Hines Rd Suite 260 Kanata ON K2K 3G3</b>	<b>SCT</b>
<b>Established:</b>	01-AUG-04				
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b><u>--Details--</u></b>					
<b>Description:</b>	Semiconductor and Other Electronic Component Manufacturing				
<b>SIC/NAICS Code:</b>	334410				
<b>34</b>	<b>4 of 7</b>	<b>SSW/169.0</b>	<b>84.8 / 2.92</b>	<b>Skyworks Solutions (Test Lab) 84 Hines Rd, Suite 100 Kanata ON K2K 3G3</b>	<b>GEN</b>
<b>Generator No:</b>	ON9560250			<b>Status:</b>	
<b>SIC Code:</b>	417310			<b>Co Admin:</b>	
<b>SIC Description:</b>	COMPUTER, COMPUTER PERIPHERAL AND PRE-PACKAGED SOFTWARE WHOLESALE-DISTRIBUTORS			<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2016			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	No
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	122				
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS				
<b>34</b>	<b>5 of 7</b>	<b>SSW/169.0</b>	<b>84.8 / 2.92</b>	<b>Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3</b>	<b>GEN</b>
<b>Generator No:</b>	ON7912119			<b>Status:</b>	
<b>SIC Code:</b>	417310			<b>Co Admin:</b>	
<b>SIC Description:</b>	COMPUTER, COMPUTER PERIPHERAL AND PRE-PACKAGED SOFTWARE WHOLESALE-DISTRIBUTORS			<b>Choice of Contact:</b>	CO_OFFICIAL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country:	2016  Canada			Phone No Admin: Contam. Facility: MHSW Facility:	No No
<b><u>Detail(s)</u></b>					
Waste Class: Waste Class Desc:	212 ALIPHATIC SOLVENTS				
<a href="#">34</a>	6 of 7	SSW/169.0	84.8 / 2.92	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON7912119  As of Dec 2018  Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<b><u>Detail(s)</u></b>					
Waste Class: Waste Class Desc:	122 C Alkaline slutions - containing other metals and non-metals (not cyanide)				
Waste Class: Waste Class Desc:	212 I Aliphatic solvents and residues				
<a href="#">34</a>	7 of 7	SSW/169.0	84.8 / 2.92	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON7912119  As of Oct 2019  Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<b><u>Detail(s)</u></b>					
Waste Class: Waste Class Desc:	212 I Aliphatic solvents and residues				
<a href="#">35</a>	1 of 2	NNE/169.3	75.4 / -6.50	INSTANTEL INC. 362 TERRY FOX DR KANATA ON K2K 2P5	SC7
Established: Plant Size (ft²): Employment:	1982 1200 50				
<b><u>--Details--</u></b>					
Description: SIC/NAICS Code:	MEASURING AND CONTROLLING DEVICES, NOT ELSEWHERE CLASSIFIED 3829				
Description: SIC/NAICS Code:	SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS 3841				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">35</a>	2 of 2	NNE/169.3	75.4 / -6.50	Coyle Publishing Inc. 362 Terry Fox Dr Suite 220 Kanata ON K2K 2P5	SCT
Established:		01-JAN-88			
Plant Size (ft²):		1000			
Employment:					
<b>--Details--</b>					
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			
<a href="#">36</a>	1 of 12	SW/173.5	85.9 / 3.95	WILLIAM S. BURNSIDE (CANADA) LIMITED 88 HINES ROAD (SWM) KANATA ON K2K 2T8	CA
Certificate #:		3-0347-98-			
Application Year:		98			
Issue Date:		6/12/1998			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<a href="#">36</a>	2 of 12	SW/173.5	85.9 / 3.95	Flexus Electronics Inc. 88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SCT
Established:		01-AUG-91			
Plant Size (ft²):		7000			
Employment:					
<b>--Details--</b>					
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
<a href="#">36</a>	3 of 12	SW/173.5	85.9 / 3.95	Flexus Inc. 88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SCT
Established:		9/1/1991			
Plant Size (ft²):		7000			
Employment:					
<b>--Details--</b>					
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">36</a>	4 of 12	SW/173.5	85.9 / 3.95	Telemus Inc. 88 Hines Road Ottawa ON K2K 2T8	GEN
<b>Generator No:</b>	ON7263654			<b>Status:</b>	
<b>SIC Code:</b>	335990			<b>Co Admin:</b>	
<b>SIC Description:</b>	All Other Electrical Equipment and Component Manufacturing			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	04,05,06			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b>Detail(s)</b>					
<b>Waste Class:</b>	122				
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS				
<b>Waste Class:</b>	148				
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	241				
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS				
<b>Waste Class:</b>	264				
<b>Waste Class Desc:</b>	PHOTOPROCESSING WASTES				
<a href="#">36</a>	5 of 12	SW/173.5	85.9 / 3.95	Telemus Inc. 88 Hines Rd Kanata ON K2K 2T8	SCT
<b>Established:</b>	1994				
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>	Construction Machinery Manufacturing				
<b>SIC/NAICS Code:</b>	333120				
<b>Description:</b>	Semiconductor and Other Electronic Component Manufacturing				
<b>SIC/NAICS Code:</b>	334410				
<b>Description:</b>	Navigational and Guidance Instruments Manufacturing				
<b>SIC/NAICS Code:</b>	334511				
<b>Description:</b>	Engineering Services				
<b>SIC/NAICS Code:</b>	541330				
<a href="#">36</a>	6 of 12	SW/173.5	85.9 / 3.95	954050 ONTARIO INC. 88 HINES RD KANATA ON	GEN
<b>Generator No:</b>	ON5315252			<b>Status:</b>	
<b>SIC Code:</b>	335990			<b>Co Admin:</b>	
<b>SIC Description:</b>	ALL OTHER ELECTRICAL EQUIPMENT AND			<b>Choice of Contact:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>		COMPONENT MANUFACTURING 2013		<b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<a href="#">36</a>	7 of 12	SW/173.5	85.9 / 3.95	<b>Ultra Electronics</b> <b>88 Hines Rd</b> <b>Kanata ON K2K 2T8</b>	SCT
<b>Established:</b>		01-AUG-94			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b><u>--Details--</u></b>					
<b>Description:</b>		Engineering Services			
<b>SIC/NAICS Code:</b>		541330			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Navigational and Guidance Instruments Manufacturing			
<b>SIC/NAICS Code:</b>		334511			
<b>Description:</b>		Construction Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333120			
<a href="#">36</a>	8 of 12	SW/173.5	85.9 / 3.95	<b>954050 ONTARIO INC.</b> <b>88 HINES RD</b> <b>KANATA ON K2K 2T8</b>	GEN
<b>Generator No:</b>		ON5315252			
<b>SIC Code:</b>		335990			
<b>SIC Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>Approval Years:</b>		07,08			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contam. Facility:</b>					
<b>MHSW Facility:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			

<a href="#">36</a>	9 of 12	SW/173.5	85.9 / 3.95	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN
<b>Generator No:</b>	ON5315252			<b>Status:</b>	
<b>SIC Code:</b>	335990			<b>Co Admin:</b>	
<b>SIC Description:</b>	All Other Electrical Equipment and Component Manufacturing			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2009			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	

<u>Detail(s)</u>					
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			

<a href="#">36</a>	10 of 12	SW/173.5	85.9 / 3.95	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN
<b>Generator No:</b>	ON5315252			<b>Status:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>	335990 All Other Electrical Equipment and Component Manufacturing 2010			<b>Co Admin:</b> <b>Choice of Contact:</b>  <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>	232 POLYMERIC RESINS				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	331 WASTE COMPRESSED GASES				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	252 WASTE OILS & LUBRICANTS				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	212 ALIPHATIC SOLVENTS				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	145 PAINT/PIGMENT/COATING RESIDUES				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	122 ALKALINE WASTES - OTHER METALS				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	112 ACID WASTE - HEAVY METALS				
<b><u>36</u></b>	<b>11 of 12</b>	<b>SW/173.5</b>	<b>85.9 / 3.95</b>	<b>ULTRA ELECTRONICS 88 HINES RD OTTAWA ON K2K2T8</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>	ON4360723 334410 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING 2015 Canada			<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b>  <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	CO_OFFICIAL  No No
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>	331 WASTE COMPRESSED GASES				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	148 INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b> <b>Waste Class Desc:</b>	263 ORGANIC LABORATORY CHEMICALS				
<b><u>36</u></b>	<b>12 of 12</b>	<b>SW/173.5</b>	<b>85.9 / 3.95</b>	<b>954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2B8</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b>	ON5315252 335990 ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING 2014			<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b>  <b>Phone No Admin:</b>	Nguyen Tieu CO_OFFICIAL  613-591-0768 Ext.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>PO Box No:</b> <b>Country:</b>	Canada			<b>Contam. Facility:</b> <b>MHSW Facility:</b>	No No
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>		145 PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		112 ACID WASTE - HEAVY METALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		252 WASTE OILS & LUBRICANTS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		122 ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		212 ALIPHATIC SOLVENTS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		232 POLYMERIC RESINS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		331 WASTE COMPRESSED GASES			
<b>37</b>	<b>1 of 3</b>	<b>SW/173.7</b>	<b>85.9 / 3.95</b>	<b>Ultra Electronics Canada Defence Inc. 88 Hines Road Ottawa ON</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b>	ON7263654 335990 All Other Electrical Equipment and Component Manufacturing 2009			<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b>  <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> <b>Waste Class Desc:</b>		112 ACID WASTE - HEAVY METALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		122 ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		146 OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		148 INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		212 ALIPHATIC SOLVENTS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		241 HALOGENATED SOLVENTS			
<b>Waste Class:</b> <b>Waste Class Desc:</b>		264 PHOTOPROCESSING WASTES			
<b>37</b>	<b>2 of 3</b>	<b>SW/173.7</b>	<b>85.9 / 3.95</b>	<b>Ultra Electronics TCS Inc.</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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88 Hines Road  
Ottawa ON

**Generator No:** ON7263654  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**

**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contam. Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

**Waste Class:** 264  
**Waste Class Desc:** PHOTOPROCESSING WASTES

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 148  
**Waste Class Desc:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 112  
**Waste Class Desc:** ACID WASTE - HEAVY METALS

**Waste Class:** 122  
**Waste Class Desc:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

<a href="#">37</a>	3 of 3	SW/173.7	85.9 / 3.95	Ultra Electronics TCS Inc. 88 Hines Road Ottawa ON	GEN
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**Generator No:** ON7263654  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 2011  
**PO Box No:**  
**Country:**

**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contam. Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 112  
**Waste Class Desc:** ACID WASTE - HEAVY METALS

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

**Waste Class:** 264  
**Waste Class Desc:** PHOTOPROCESSING WASTES

**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

**Waste Class:** 122

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			

<a href="#">38</a>	1 of 1	WSW/179.6	85.8 / 3.89	591 MARCH ROAD lot 9 con 3 KANATA ON	WWIS
<b>Well ID:</b>	7151742			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Test Hole			<b>Date Received:</b>	9/22/2010
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	6964
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z107013			<b>Owner:</b>	
<b>Tag:</b>	A094409			<b>Street Name:</b>	591 MARCH ROAD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	009
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/715\7151742.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7151742.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2010/07/20  
**Year Completed:** 2010  
**Depth (m):** 7.85  
**Latitude:** 45.3465988786813  
**Longitude:** -75.9245118807105  
**Path:** 715\7151742.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1003338591	<b>Elevation:</b>	81.441329
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427575.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021870.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	20-Jul-2010 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1003478980



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		5			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>		16			
<b>Mat2 Desc:</b>		DOLOMITE			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		1.899999976158142			
<b>Formation End Depth:</b>		7.849999904632568			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1003478979			
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		1.4199999570846558			
<b>Formation End Depth:</b>		1.899999976158142			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1003478977			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		84			
<b>Mat3 Desc:</b>		SILTY			
<b>Formation Top Depth:</b>		0.03999999910593033			
<b>Formation End Depth:</b>		0.46000000834465027			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1003478978			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		84			
<b>Mat3 Desc:</b>		SILTY			
<b>Formation Top Depth:</b>		0.46000000834465027			
<b>Formation End Depth:</b>		1.4199999570846558			
<b>Formation End Depth UOM:</b>		m			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1003478976			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.03999999910593033			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003478984			
<b>Layer:</b>		2			
<b>Plug From:</b>		6			
<b>Plug To:</b>		7.84999990463257			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003478983			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		6			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1003478989			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1003478975			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1003478986			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		6.34999990463257			
<b>Casing Diameter:</b>		3.5			
<b>Casing Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1003478987				
<b>Layer:</b>	1				
<b>Slot:</b>	10				
<b>Screen Top Depth:</b>	6.34999990463257				
<b>Screen End Depth:</b>	7.84999990463257				
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	m				
<b>Screen Diameter UOM:</b>	cm				
<b>Screen Diameter:</b>	4.09999990463257				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	1003478985				
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>	m				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1003478981				
<b>Diameter:</b>	7.5				
<b>Depth From:</b>	0.0				
<b>Depth To:</b>	1.8799999952316284				
<b>Hole Depth UOM:</b>	m				
<b>Hole Diameter UOM:</b>	cm				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1003478982				
<b>Diameter:</b>	5.699999809265137				
<b>Depth From:</b>	1.8799999952316284				
<b>Depth To:</b>	7.849999904632568				
<b>Hole Depth UOM:</b>	m				
<b>Hole Diameter UOM:</b>	cm				

**39**      1 of 1      **SSE/189.5**      **80.9 / -1.02**      **ON**      **BORE**

<b>Borehole ID:</b>	609771	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511386	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>	NOV-1952	<b>Municipality:</b>	
<b>Static Water Level:</b>	-13.0	<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.343425
<b>Total Depth m:</b>	18.9	<b>Longitude DD:</b>	-75.918645
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	428031
<b>Drill Method:</b>		<b>Northing:</b>	5021512
<b>Orig Ground Elev m:</b>	82.3	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	78.2		
<b>Concession:</b>			
<b>Location D:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218384040			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	.9			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	18.9			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SANDSTONE. 315.0 FEET.GRAVEL. BEDROCK. BEDROCK,LIMESTONE. 350220470450000001600000 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratum ID:</b>	218384039			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.9			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Soil			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SOIL. BROWN.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 02279 NTS_Sheet:				
<b>Confiden 1:</b>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>40</b>	<b>1 of 1</b>	<b>SSE/189.6</b>	<b>80.9 / -1.02</b>	<b>lot 8 con 3 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	1503343			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	12/1/1952
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1802
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	008
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503343.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503343.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1952/11/25  
**Year Completed:** 1952  
**Depth (m):** 18.8976  
**Latitude:** 45.3434237229267  
**Longitude:** -75.9186447387699  
**Path:** 150\1503343.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025386	<b>Elevation:</b>	78.229843
<b>DP2BR:</b>	3.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	428030.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5021512.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	25-Nov-1952 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930996626  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 3.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930996627  
**Layer:** 2  
**Color:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		3.0			
<b>Formation End Depth:</b>		62.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503343			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573956			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043524			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043525			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		62			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503343			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20.0			
<b>Final Level After Pumping:</b>		30.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		4.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	2				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	No				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	933456237				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	55.0				
<b>Water Found Depth UOM:</b>	ft				

<a href="#">41</a>	1 of 1	SE/191.0	79.6 / -2.36	3001 SOLANDT RD. KANATA ON	WWIS
<b>Well ID:</b>	7296271			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	10/2/2017
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1119
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z262367			<b>Owner:</b>	
<b>Tag:</b>	A228985			<b>Street Name:</b>	3001 SOLANDT RD.
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	BLOCK 18
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/729\7296271.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7296271.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2017/08/30  
**Year Completed:** 2017  
**Depth (m):** 55.7784  
**Latitude:** 45.3445114028557  
**Longitude:** -75.9165893549302  
**Path:** 729\7296271.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1006747513	<b>Elevation:</b>	77.004211
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	428193.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021631.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	30-Aug-2017 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933918		
<b>Layer:</b>			4		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			18		
<b>Most Common Material:</b>			SANDSTONE		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			75.0		
<b>Formation End Depth:</b>			90.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933916		
<b>Layer:</b>			2		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			28		
<b>Most Common Material:</b>			SAND		
<b>Mat2:</b>			11		
<b>Mat2 Desc:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			45.0		
<b>Formation End Depth:</b>			50.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933919		
<b>Layer:</b>			5		
<b>Color:</b>			7		
<b>General Color:</b>			RED		
<b>Mat1:</b>			21		
<b>Most Common Material:</b>			GRANITE		
<b>Mat2:</b>			20		
<b>Mat2 Desc:</b>			QUARTZITE		
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			90.0		
<b>Formation End Depth:</b>			125.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933921		



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		7			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		21			
<b>Most Common Material:</b>		GRANITE			
<b>Mat2:</b>		20			
<b>Mat2 Desc:</b>		QUARTZITE			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		173.0			
<b>Formation End Depth:</b>		183.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1006933917			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		50.0			
<b>Formation End Depth:</b>		75.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1006933920			
<b>Layer:</b>		6			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		21			
<b>Most Common Material:</b>		GRANITE			
<b>Mat2:</b>		20			
<b>Mat2 Desc:</b>		QUARTZITE			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		125.0			
<b>Formation End Depth:</b>		173.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1006933915			
<b>Layer:</b>		1			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		45.0			
<b>Formation End Depth UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006933959			
<b>Layer:</b>		2			
<b>Plug From:</b>		46			
<b>Plug To:</b>		0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006933958			
<b>Layer:</b>		1			
<b>Plug From:</b>		56			
<b>Plug To:</b>		46			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006933957			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>		SURGE			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006933913			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006933929			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1006933914			
<b>Pump Set At:</b>		140.0			
<b>Static Level:</b>		6.0			
<b>Final Level After Pumping:</b>		88.5999984741211			
<b>Recommended Pump Depth:</b>		140.0			
<b>Pumping Rate:</b>		7.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		7.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pumping Duration HR:</i>	1				
<i>Pumping Duration MIN:</i>	0				
<i>Flowing:</i>	No				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933945				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	20				
<i>Test Level:</i>	6.0				
<i>Test Level UOM:</i>	ft				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933947				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	25				
<i>Test Level:</i>	6.0				
<i>Test Level UOM:</i>	ft				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933948				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	30				
<i>Test Level:</i>	76.9000015258789				
<i>Test Level UOM:</i>	ft				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933950				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	40				
<i>Test Level:</i>	80.4000015258789				
<i>Test Level UOM:</i>	ft				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933942				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	15				
<i>Test Level:</i>	63.0				
<i>Test Level UOM:</i>	ft				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933954				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	60				
<i>Test Level:</i>	88.5999984741211				
<i>Test Level UOM:</i>	ft				
 <b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>	1006933955				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	60				
<i>Test Level:</i>	6.0				
<i>Test Level UOM:</i>	ft				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933930		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			1		
<b>Test Level:</b>			16.899999618530273		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933940		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			10		
<b>Test Level:</b>			57.79999923706055		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933951		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			40		
<b>Test Level:</b>			6.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933932		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			25.200000762939453		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933941		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			10		
<b>Test Level:</b>			17.399999618530273		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933946		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			25		
<b>Test Level:</b>			74.5999984741211		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933933		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			53.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933936		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		37.20000076293945			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933938			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		41.20000076293945			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933939			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		35.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933943			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		10.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933935			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		46.29999923706055			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933952			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		84.5999984741211			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933931			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		62.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933944			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		71.5			
<b>Test Level UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933934			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		32.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933937			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933949			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933953			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006933926			
<b>Layer:</b>		3			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		173.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006933924			
<b>Layer:</b>		1			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		75.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006933925			
<b>Layer:</b>		2			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		125.0			
<b>Water Found Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006933923			
<b>Diameter:</b>		6.0			
<b>Depth From:</b>		56.0			
<b>Depth To:</b>		183.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006933922			
<b>Diameter:</b>		9.75			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		56.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<a href="#"><u>42</u></a>	1 of 1	NW/196.1	80.9 / -1.02	706, 710, and 714 March Road Ottawa ON K2K 2R9	EHS
<b>Order No:</b>		21092800629		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b>	ON
<b>Report Date:</b>		01-OCT-21		<b>Search Radius (km):</b>	.25
<b>Date Received:</b>		28-SEP-21		<b>X:</b>	-75.9253545
<b>Previous Site Name:</b>				<b>Y:</b>	45.3508717
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#"><u>43</u></a>	1 of 1	NW/199.2	80.8 / -1.11	710 March Road Kanata ON K2K 2V9	EHS
<b>Order No:</b>		20180725032		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	Formerly in Township of March, now in City of Kanata, Regional Municipality of Ottawa-Carleton
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b>	ON
<b>Report Date:</b>		31-JUL-18		<b>Search Radius (km):</b>	.25
<b>Date Received:</b>		25-JUL-18		<b>X:</b>	-75.925508
<b>Previous Site Name:</b>		977762 Ontario Lts. under deed of sale registered as Instrument Number 811083 on December 22, 1992.		<b>Y:</b>	45.350826
<b>Lot/Building Size:</b>		236,980 square feet (5.44 acres) commercial development site			
<b>Additional Info Ordered:</b>					
<a href="#"><u>44</u></a>	1 of 1	S/200.0	82.2 / 0.25	495 and 505 March Road and 11, 40, 50, 80 and 84 Hines Road, Ottawa, Ontario Kanata ON K2K	EHS
<b>Order No:</b>		20190916105		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b>	ON
<b>Report Date:</b>		19-SEP-19		<b>Search Radius (km):</b>	.25
<b>Date Received:</b>		16-SEP-19		<b>X:</b>	-75.920977
<b>Previous Site Name:</b>				<b>Y:</b>	45.343533
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">45</a>	1 of 17	NNE/202.7	73.9 / -8.05	VOLEX CAPULUM INC. 360 TERRY FOX DR KANATA ON K2K 2P5	SCT
<b>Established:</b>		1984			
<b>Plant Size (ft²):</b>		20000			
<b>Employment:</b>		110			
<b>--Details--</b>					
<b>Description:</b>		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3679			
<b>Description:</b>		Steel Wire Drawing			
<b>SIC/NAICS Code:</b>		331222			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Communication and Energy Wire and Cable Manufacturing			
<b>SIC/NAICS Code:</b>		335920			
<b>Description:</b>		Wiring Device Manufacturing			
<b>SIC/NAICS Code:</b>		335930			
<b>Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>SIC/NAICS Code:</b>		335990			
<a href="#">45</a>	2 of 17	NNE/202.7	73.9 / -8.05	VOLEX CANADA INC. 360 Terry Fox Dr Kanata ON K2K 2P5	SCT
<b>Established:</b>		1984			
<b>Plant Size (ft²):</b>		20000			
<b>Employment:</b>		150			
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">45</a>	3 of 17	NNE/202.7	73.9 / -8.05	Sciometric Instruments Inc 360 Terry Fox Dr Kanata ON K2K 2P5	SCT
<b>Established:</b>		9/1/1981			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">45</a>	4 of 17	NNE/202.7	73.9 / -8.05	Kanata Research Park Corporation 360 Terry Fox Drive Ottawa ON	CA
<b>Certificate #:</b> <b>Application Year:</b> <b>Issue Date:</b> <b>Approval Type:</b> <b>Status:</b> <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>		0835-5HTTNB 2003 1/18/2003 Air Approved			
<a href="#">45</a>	5 of 17	NNE/202.7	73.9 / -8.05	Filtran Limited 360 Terry Fox Dr Kanata ON K2K 2P5	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-SEP-69 16000			
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Motor and Generator Manufacturing			
<b>SIC/NAICS Code:</b>		335312			
<a href="#">45</a>	6 of 17	NNE/202.7	73.9 / -8.05	Emcon Emanation Control Ltd. 360 Terry Fox Dr Nepean ON K2E	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-JUL-85 18000			
<b>--Details--</b>					
<b>Description:</b>		All Other General-Purpose Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333990			
<b>Description:</b>		Wood Office Furniture, including Custom Architectural Woodwork, Manufacturing			
<b>SIC/NAICS Code:</b>		337213			
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">45</a>	7 of 17	NNE/202.7	73.9 / -8.05	Filtran Limited 360 Terry Fox Drive Ottawa CITY OF OTTAWA ON	EBR
<b>EBR Registry No:</b> 011-6639 <b>Ministry Ref No:</b> 8890-8V3N38 <b>Notice Type:</b> Instrument Decision <b>Notice Stage:</b> <b>Notice Date:</b> August 14, 2014 <b>Proposal Date:</b> June 25, 2012 <b>Year:</b> 2012 <b>Instrument Type:</b> (EPA Part II.1-air) - Environmental Compliance Approval (project type: air) <b>Off Instrument Name:</b> <b>Posted By:</b> <b>Company Name:</b> Filtran Limited <b>Site Address:</b> <b>Location Other:</b> <b>Proponent Name:</b> <b>Proponent Address:</b> 360 Terry Fox Drive, Ottawa Ontario, Canada K2K 2P5 <b>Comment Period:</b> <b>URL:</b> <b>Site Location Details:</b> 360 Terry Fox Drive Ottawa CITY OF OTTAWA					
<b>Decision Posted:</b> <b>Exception Posted:</b> <b>Section:</b> <b>Act 1:</b> <b>Act 2:</b> <b>Site Location Map:</b>					

<a href="#">45</a>	8 of 17	NNE/202.7	73.9 / -8.05	Filtran Ltd 360 Terry Fox Dr. Kanata ON K2K 2P5	GEN
<b>Generator No:</b> ON6864227 <b>SIC Code:</b> 335990 <b>SIC Description:</b> All Other Electrical Equipment and Component Manufacturing <b>Approval Years:</b> 2010 <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b> 213 <b>Waste Class Desc:</b> PETROLEUM DISTILLATES <b>Waste Class:</b> 241 <b>Waste Class Desc:</b> HALOGENATED SOLVENTS					

<a href="#">45</a>	9 of 17	NNE/202.7	73.9 / -8.05	Filtran Ltd 360 Terry Fox Dr. Kanata ON K2K 2P5	GEN
<b>Generator No:</b> ON6864227 <b>SIC Code:</b> 335990 <b>SIC Description:</b> All Other Electrical Equipment and Component Manufacturing <b>Approval Years:</b> 2011 <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b> 213					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<a href="#">45</a>	10 of 17	<b>NNE/202.7</b>	<b>73.9 / -8.05</b>	<b>Filtran Ltd 360 Terry Fox Dr. Kanata ON K2K 2P5</b>	<b>GEN</b>
<b>Generator No:</b>	ON6864227			<b>Status:</b>	
<b>SIC Code:</b>	335990			<b>Co Admin:</b>	
<b>SIC Description:</b>	All Other Electrical Equipment and Component Manufacturing			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2012			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<a href="#">45</a>	11 of 17	<b>NNE/202.7</b>	<b>73.9 / -8.05</b>	<b>Filtran Ltd 360 Terry Fox Dr. Kanata ON</b>	<b>GEN</b>
<b>Generator No:</b>	ON6864227			<b>Status:</b>	
<b>SIC Code:</b>	335990			<b>Co Admin:</b>	
<b>SIC Description:</b>	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2013			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		213			
<b>Waste Class Desc:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		251			
<b>Waste Class Desc:</b>		OIL SKIMMINGS & SLUDGES			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		122			
<b>Waste Class Desc:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<a href="#">45</a>	12 of 17	<b>NNE/202.7</b>	<b>73.9 / -8.05</b>	<b>Kanata Research Park Corporation 360 Terry Fox Drive Ottawa ON K2K 2X3</b>	<b>ECA</b>
<b>Approval No:</b>	0835-5HTTNB			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2003-01-18			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.92063
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.350746
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-AIR				
<b>Project Type:</b>	AIR				
<b>Business Name:</b>	Kanata Research Park Corporation				
<b>Address:</b>	360 Terry Fox Drive				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5108-5DXQRJ-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5108-5DXQRJ-14.pdf</a>				
<b>PDF Site Location:</b>					

<a href="#">45</a>	13 of 17	<b>NNE/202.7</b>	<b>73.9 / -8.05</b>	<b>Filtran Ltd 360 Terry Fox Dr. Kanata ON K2K 2P5</b>	<b>GEN</b>
<b>Generator No:</b>	ON6864227			<b>Status:</b>	
<b>SIC Code:</b>	335990			<b>Co Admin:</b>	Don Potvin
<b>SIC Description:</b>	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Approval Years:</b>	2014			<b>Phone No Admin:</b>	613-226-1626 Ext.243
<b>PO Box No:</b>				<b>Contam. Facility:</b>	No
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	No

**Detail(s)**

<b>Waste Class:</b>	263
<b>Waste Class Desc:</b>	ORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	251
<b>Waste Class Desc:</b>	OIL SKIMMINGS & SLUDGES
<b>Waste Class:</b>	213
<b>Waste Class Desc:</b>	PETROLEUM DISTILLATES
<b>Waste Class:</b>	145
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES
<b>Waste Class:</b>	122
<b>Waste Class Desc:</b>	ALKALINE WASTES - OTHER METALS
<b>Waste Class:</b>	148
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	112
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS
<b>Waste Class:</b>	252
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS
<b>Waste Class:</b>	241
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		232			
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<a href="#">45</a>	14 of 17	NNE/202.7	73.9 / -8.05	Artaflex Ottawa Inc. 360 Terry Fox Drive Kanata ON K2K 2P5	GEN
<b>Generator No:</b>	ON3977448			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 I			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<a href="#">45</a>	15 of 17	NNE/202.7	73.9 / -8.05	360 Terry Fox Drive Kanata ON K2K 2P5	EHS
<b>Order No:</b>	20190305257			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	07-MAR-19			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	05-MAR-19			<b>X:</b>	-75.920166
<b>Previous Site Name:</b>				<b>Y:</b>	45.351072
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	City Directory; Aerial Photos				
<a href="#">45</a>	16 of 17	NNE/202.7	73.9 / -8.05	Artaflex Ottawa Inc. 360 Terry Fox Drive Kanata ON K2K 2P5	GEN
<b>Generator No:</b>	ON3977448			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Jul 2020			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 I			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<a href="#">45</a>	17 of 17	NNE/202.7	73.9 / -8.05	Artaflex Ottawa Inc. 360 Terry Fox Drive Kanata ON K2K 2P5	GEN
<b>Generator No:</b>	ON3977448			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Nov 2021			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Detail(s)</u></b>					
				<b>Waste Class:</b>	263 I
				<b>Waste Class Desc:</b>	Misc. waste organic chemicals
<a href="#">46</a>	1 of 21	NE/207.8	75.9 / -6.07	<b>NEWBRIDGE NETWORKS CORPORATION 359 TERRY FOX DRIVE KANATA CITY ON K2K 2E7</b>	CA
				<b>Certificate #:</b>	8-4102-88-
				<b>Application Year:</b>	88
				<b>Issue Date:</b>	1/24/1990
				<b>Approval Type:</b>	Industrial air
				<b>Status:</b>	Approved in 1990
				<b>Application Type:</b>	
				<b>Client Name:</b>	
				<b>Client Address:</b>	
				<b>Client City:</b>	
				<b>Client Postal Code:</b>	
				<b>Project Description:</b>	CIRCUIT BOARD MANUF. EXHAUST
				<b>Contaminants:</b>	
				<b>Emission Control:</b>	
<a href="#">46</a>	2 of 21	NE/207.8	75.9 / -6.07	<b>ELCOMBE SYSTEMS LIMITED 359 TERRY FOX DR KANATA ON K2K 2E7</b>	SCT
				<b>Established:</b>	1991
				<b>Plant Size (ft²):</b>	0
				<b>Employment:</b>	25
				<b>--Details--</b>	
				<b>Description:</b>	COMMUNICATIONS EQUIPMENT, NOT ELSEWHERE CLASSIFIED
				<b>SIC/NAICS Code:</b>	3669
				<b>Description:</b>	Other Communications Equipment Manufacturing
				<b>SIC/NAICS Code:</b>	334290
<a href="#">46</a>	3 of 21	NE/207.8	75.9 / -6.07	<b>359 Terry Fox Drive Kanata ON K2K 2E7</b>	CA
				<b>Certificate #:</b>	8-4102-88-906
				<b>Application Year:</b>	01
				<b>Issue Date:</b>	4/6/01
				<b>Approval Type:</b>	Industrial air
				<b>Status:</b>	Approved
				<b>Application Type:</b>	Revocation
				<b>Client Name:</b>	Newbridge Networks Corporation
				<b>Client Address:</b>	600 March Road, P.O. Box 13600
				<b>Client City:</b>	Kanata
				<b>Client Postal Code:</b>	K2K 2E6
				<b>Project Description:</b>	Removal of exhaust six (6) exhaust fans venting facilities for manufacturing electronic circuits.
				<b>Contaminants:</b>	
				<b>Emission Control:</b>	
<a href="#">46</a>	4 of 21	NE/207.8	75.9 / -6.07	<b>NEWBRIDGE NETWORKS CORPORATION 359 TERRY FOX DRIVE</b>	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>KANATA ON K2K 2E7</b>					
<b>Generator No:</b>	ON1052000			<b>Status:</b>	
<b>SIC Code:</b>	3351			<b>Co Admin:</b>	
<b>SIC Description:</b>	TELECOMMUNICATIONS			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	88,89,90			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	241				
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS				
<a href="#"><u>46</u></a>	5 of 21	NE/207.8	75.9 / -6.07	<b>NEWBRIDGE NETWORKS CORPORATION 28-523 359 TERRY FOX DRIVE KANATA ON K2K 2E7</b>	GEN
<b>Generator No:</b>	ON1052000			<b>Status:</b>	
<b>SIC Code:</b>	3351			<b>Co Admin:</b>	
<b>SIC Description:</b>	TELECOMMUNICATIONS			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	94,95,96			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	252				
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS				
<b>Waste Class:</b>	146				
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS				
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	241				
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS				
<a href="#"><u>46</u></a>	6 of 21	NE/207.8	75.9 / -6.07	<b>359 Terry Fox Drive Ottawa ON</b>	EHS
<b>Order No:</b>	20070213030			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	CAN - Complete Report			<b>Client Prov/State:</b>	
<b>Report Date:</b>	2/15/2007			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	2/13/2007			<b>X:</b>	-75.919083
<b>Previous Site Name:</b>				<b>Y:</b>	45.349895
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps And /or Site Plans				
<a href="#"><u>46</u></a>	7 of 21	NE/207.8	75.9 / -6.07	<b>Smart Technologies Inc. 359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa ON</b>	EBR

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>EBR Registry No:</b> IA05E1750 <b>Ministry Ref No:</b> 6235-6HCPAA <b>Notice Type:</b> Instrument Decision <b>Notice Stage:</b> <b>Notice Date:</b> January 23, 2007 <b>Proposal Date:</b> November 15, 2005 <b>Year:</b> 2005 <b>Instrument Type:</b> (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) <b>Off Instrument Name:</b> <b>Posted By:</b> <b>Company Name:</b> Smart Technologies Inc. <b>Site Address:</b> <b>Location Other:</b> <b>Proponent Name:</b> <b>Proponent Address:</b> 359 Terry Fox Drive, Ottawa Ontario, K2K 2E7 <b>Comment Period:</b> <b>URL:</b>					
<b>Decision Posted:</b> <b>Exception Posted:</b> <b>Section:</b> <b>Act 1:</b> <b>Act 2:</b> <b>Site Location Map:</b>					
<b>Site Location Details:</b> 359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa					

<a href="#">46</a>	8 of 21	NE/207.8	75.9 / -6.07	359 Terry Fox Drive Ottawa ON	EHS
<b>Order No:</b> 20080211010 <b>Status:</b> C <b>Report Type:</b> Complete Report <b>Report Date:</b> 2/20/2008 <b>Date Received:</b> 2/11/2008 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.919083 <b>Y:</b> 45.349895					

<a href="#">46</a>	9 of 21	NE/207.8	75.9 / -6.07	Smart Technologies Inc 359 Terry Fox Drive - North Kanata ON	GEN
<b>Generator No:</b> ON3214080 <b>SIC Code:</b> 334290 <b>SIC Description:</b> Other Communications Equipment Manufacturing <b>Approval Years:</b> 06,07,08 <b>PO Box No:</b> <b>Country:</b>					
<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>					

**Detail(s)**

<b>Waste Class:</b>	263
<b>Waste Class Desc:</b>	ORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	331
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES
<b>Waste Class:</b>	121
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS
<b>Waste Class:</b>	112
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b> 122 <b>Waste Class Desc:</b> ALKALINE WASTES - OTHER METALS					
<b>Waste Class:</b> 146 <b>Waste Class Desc:</b> OTHER SPECIFIED INORGANICS					
<b>Waste Class:</b> 148 <b>Waste Class Desc:</b> INORGANIC LABORATORY CHEMICALS					
<b>Waste Class:</b> 212 <b>Waste Class Desc:</b> ALIPHATIC SOLVENTS					
<b>Waste Class:</b> 232 <b>Waste Class Desc:</b> POLYMERIC RESINS					
<a href="#">46</a>	10 of 21	NE/207.8	75.9 / -6.07	Smart Technologies Inc. 359 Terry Fox Drive Ottawa ON	CA
<b>Certificate #:</b> 2247-6UXHQW <b>Application Year:</b> 2007 <b>Issue Date:</b> 1/4/2007 <b>Approval Type:</b> Air <b>Status:</b> Revoked and/or Replaced <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">46</a>	11 of 21	NE/207.8	75.9 / -6.07	Kanata Research Park Corporation 359 Terry Fox Drive Ottawa ON	CA
<b>Certificate #:</b> 6748-5HTUE5 <b>Application Year:</b> 2003 <b>Issue Date:</b> 1/18/2003 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">46</a>	12 of 21	NE/207.8	75.9 / -6.07	Sciometric Instruments Inc. 359 Terry Fox Dr Kanata ON K2K 2E7	SCT
<b>Established:</b> 01-JUN-81 <b>Plant Size (ft²):</b> <b>Employment:</b>					
<b>--Details--</b> <b>Description:</b> Computer and Peripheral Equipment Manufacturing					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<a href="#">46</a>	13 of 21	NE/207.8	75.9 / -6.07	<b>Pleora Technologies Inc.</b> 359 Terry Fox Dr Unit 230 Kanata ON K2K 2E7	SCT
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">46</a>	14 of 21	NE/207.8	75.9 / -6.07	<b>Smart Technologies Inc.</b> 359 Terry Fox Drive Ottawa ON K2K 2E7	ECA
<b>Approval No:</b>		2247-6UXHQW		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2007-01-04		<b>City:</b>	
<b>Status:</b>		Revoked and/or Replaced		<b>Longitude:</b> -75.9184	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.349728	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Smart Technologies Inc.			
<b>Address:</b>		359 Terry Fox Drive			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6235-6HCPAA-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6235-6HCPAA-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">46</a>	15 of 21	NE/207.8	75.9 / -6.07	<b>Kanata Research Park Corporation</b> 359 Terry Fox Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b>		6748-5HTUE5		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2003-01-18		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.9184	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.349728	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Kanata Research Park Corporation			
<b>Address:</b>		359 Terry Fox Drive			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2480-5DXNRZ-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2480-5DXNRZ-14.pdf</a>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>PDF Site Location:</i>					
<a href="#">46</a>	16 of 21	NE/207.8	75.9 / -6.07	Electronic Distributors International Inc. 359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	GEN
<b>Generator No:</b>	ON3467371			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	145 I				
<b>Waste Class Desc:</b>	Wastes from the use of pigments, coatings and paints				
<b>Waste Class:</b>	146 T				
<b>Waste Class Desc:</b>	Other specified inorganic sludges, slurries or solids				
<b>Waste Class:</b>	212 I				
<b>Waste Class Desc:</b>	Aliphatic solvents and residues				
<b>Waste Class:</b>	252 L				
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants				
<b>Waste Class:</b>	331 I				
<b>Waste Class Desc:</b>	Waste compressed gases including cylinders				
<a href="#">46</a>	17 of 21	NE/207.8	75.9 / -6.07	Public Health Agency of Canada - Kanata 359 Terry Fox Drive Kanata ON K2K2E7	GEN
<b>Generator No:</b>	ON7174371			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2018			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	261 H				
<b>Waste Class Desc:</b>	Pharmaceuticals				
<b>Waste Class:</b>	261 L				
<b>Waste Class Desc:</b>	Pharmaceuticals				
<b>Waste Class:</b>	263 A				
<b>Waste Class Desc:</b>	Misc. waste organic chemicals				
<a href="#">46</a>	18 of 21	NE/207.8	75.9 / -6.07	Electronic Distributors International Inc. 359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	GEN
<b>Generator No:</b>	ON3467371			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Jul 2020			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country:		Canada		MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		263 L			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			

<a href="#">46</a>	19 of 21	NE/207.8	75.9 / -6.07	Public Health Agency of Canada - Kanata NESS 359 Terry Fox Drive Kanata ON K2K2E7	GEN
Generator No:		ON7174371		Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:		As of Jul 2020		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:		Canada		MHSW Facility:	

<u>Detail(s)</u>					
Waste Class:		261 H			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		261 L			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		263 A			
Waste Class Desc:		Misc. waste organic chemicals			

<a href="#">46</a>	20 of 21	NE/207.8	75.9 / -6.07	Public Health Agency of Canada - Kanata NESS 359 Terry Fox Drive Kanata ON K2K2E7	GEN
Generator No:		ON7174371		Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:		As of Nov 2021		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:		Canada		MHSW Facility:	

<u>Detail(s)</u>					
Waste Class:		263 A			
Waste Class Desc:		Misc. waste organic chemicals			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		261 H			
<b>Waste Class Desc:</b>		Pharmaceuticals			
<b>Waste Class:</b>		261 L			
<b>Waste Class Desc:</b>		Pharmaceuticals			
<a href="#">46</a>	21 of 21	NE/207.8	75.9 / -6.07	<b>Electronic Distributors International Inc. 359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7</b>	GEN
<b>Generator No:</b>	ON3467371			<b>Status:</b> Registered	
<b>SIC Code:</b>				<b>Co Admin:</b>	
<b>SIC Description:</b>				<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Nov 2021			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>	Canada			<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		252 L			
<b>Waste Class Desc:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		145 I			
<b>Waste Class Desc:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		263 L			
<b>Waste Class Desc:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		146 T			
<b>Waste Class Desc:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 C			
<b>Waste Class Desc:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Desc:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		262 L			
<b>Waste Class Desc:</b>		Detergents and soaps			
<b>Waste Class:</b>		331 I			
<b>Waste Class Desc:</b>		Waste compressed gases including cylinders			
<a href="#">47</a>	1 of 14	ESE/209.2	79.0 / -2.94	<b>SR TELECOM 425 LEGGET DR KANATA ON K2K 2W2</b>	SCT
<b>Established:</b>	1986				
<b>Plant Size (ft²):</b>	0				
<b>Employment:</b>	200				
<b>--Details--</b>					
<b>Description:</b>	RADIO AND TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT				
<b>SIC/NAICS Code:</b>	3663				
<a href="#">47</a>	2 of 14	ESE/209.2	79.0 / -2.94	<b>425 Legget Dr Kanata ON K2K 2W2</b>	EHS
<b>Order No:</b>	20010711004			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Report Type:</b> Complete Report <b>Report Date:</b> 7/16/01 <b>Date Received:</b> 7/11/01 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>				<b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.914926 <b>Y:</b> 45.344584	
<a href="#">47</a>	3 of 14	ESE/209.2	79.0 / -2.94	SR TELECOM INC. 425 LEGGETT DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b> ON2171800 <b>SIC Code:</b> 3351 <b>SIC Description:</b> TELECOMMUNICATIONS <b>Approval Years:</b> 96,97,98,99 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">47</a>	4 of 14	ESE/209.2	79.0 / -2.94	C-MAC KANATA INC. 425 LEGGETT DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b> ON2171800 <b>SIC Code:</b> 3351 <b>SIC Description:</b> TELECOMMUNICATIONS <b>Approval Years:</b> 00,01 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">47</a>	5 of 14	ESE/209.2	79.0 / -2.94	C-MAC KANATA INC. 425 LEGGETT DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b> ON2171800 <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> 02 <b>PO Box No:</b> <b>Country:</b>				<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			

<a href="#">47</a>	6 of 14	<b>ESE/209.2</b>	<b>79.0 / -2.94</b>	<b>C-MAC ELCTRONIC SYSTEM INC., SOLECTRON COMPANY 425 LEGETT DRIVE KANATA ON</b>	<b>GEN</b>
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<b>Generator No:</b>	ON2171800	<b>Status:</b>	
<b>SIC Code:</b>	334110	<b>Co Admin:</b>	
<b>SIC Description:</b>	Computer & Peripheral Equipment Mfg.	<b>Choice of Contact:</b>	
<b>Approval Years:</b>	03,04,05,06	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>		<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	211
<b>Waste Class Desc:</b>	AROMATIC SOLVENTS
<b>Waste Class:</b>	232
<b>Waste Class Desc:</b>	POLYMERIC RESINS
<b>Waste Class:</b>	241
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS
<b>Waste Class:</b>	262
<b>Waste Class Desc:</b>	DETERGENTS/SOAPS
<b>Waste Class:</b>	265
<b>Waste Class Desc:</b>	GRAPHIC ART WASTES
<b>Waste Class:</b>	268
<b>Waste Class Desc:</b>	AMINES
<b>Waste Class:</b>	213
<b>Waste Class Desc:</b>	PETROLEUM DISTILLATES
<b>Waste Class:</b>	252
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS
<b>Waste Class:</b>	253
<b>Waste Class Desc:</b>	EMULSIFIED OILS
<b>Waste Class:</b>	331
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES
<b>Waste Class:</b>	145
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES
<b>Waste Class:</b>	146
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS
<b>Waste Class:</b>	148

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">47</a>	7 of 14	<b>ESE/209.2</b>	<b>79.0 / -2.94</b>	<b>Solectron EMS Canada 425 Legget Dr Kanata ON K2K 2W2</b>	<b>SCT</b>
<b>Established:</b>		1977			
<b>Plant Size (ft²):</b>		300			
<b>Employment:</b>		300			
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">47</a>	8 of 14	<b>ESE/209.2</b>	<b>79.0 / -2.94</b>	<b>425 Legget Drive Ottawa ON</b>	<b>EHS</b>
<b>Order No:</b>		20120213010		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		2/17/2012 10:02:42 AM		<b>Search Radius (km):</b> 0.25	
<b>Date Received:</b>		2/13/2012 10:00:24 AM		<b>X:</b> -75.915606	
<b>Previous Site Name:</b>				<b>Y:</b> 45.345057	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">47</a>	9 of 14	<b>ESE/209.2</b>	<b>79.0 / -2.94</b>	<b>AVAYA CANADA CORP 425 LEGGET DRIVE OTTAWA ON K2K 2W2</b>	<b>EASR</b>
<b>Approval No:</b>		R-002-4150428271		<b>SWP Area Name:</b> Mississippi Valley	
<b>Status:</b>		REGISTERED		<b>MOE District:</b> Ottawa	
<b>Date:</b>		2012-08-27		<b>Municipality:</b> OTTAWA	
<b>Record Type:</b>		EASR		<b>Latitude:</b> 45.345882	
<b>Link Source:</b>		MOFA		<b>Longitude:</b> -75.91489	
<b>Project Type:</b>		Standby Power System		<b>Geometry X:</b>	
<b>Full Address:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>		EASR-Standby Power System			
<b>Full PDF Link:</b>		<a href="http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=1426">http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=1426</a>			
<b>PDF URL:</b>					
<b>PDF Site Location:</b>					
<a href="#">47</a>	10 of 14	<b>ESE/209.2</b>	<b>79.0 / -2.94</b>	<b>425 Legget Drive Property GP Inc. 425 Legget Dr Ottawa ON</b>	<b>ECA</b>
<b>Approval No:</b>		6998-95YSRC		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2013-03-21		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.91489	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.345882	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Project Type:</b>		MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Business Name:</b>		425 Legget Drive Property GP Inc.			
<b>Address:</b>		425 Legget Dr			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2476-8VQN7M-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2476-8VQN7M-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">47</a>	11 of 14	ESE/209.2	79.0 / -2.94	425 Legget Drive Kanata ON K2K 3C9	EHS
<b>Order No:</b>		20292800081		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		01-OCT-20		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		28-SEP-20		<b>X:</b> -75.9150514	
<b>Previous Site Name:</b>				<b>Y:</b> 45.3456468	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">47</a>	12 of 14	ESE/209.2	79.0 / -2.94	425 Legget Drive Kanata ON K2K 3C9	EHS
<b>Order No:</b>		20292800081		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		01-OCT-20		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		28-SEP-20		<b>X:</b> -75.9150514	
<b>Previous Site Name:</b>				<b>Y:</b> 45.3456468	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">47</a>	13 of 14	ESE/209.2	79.0 / -2.94	425 Legget Drive Kanata ON K2K 3C9	EHS
<b>Order No:</b>		20292800081		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		01-OCT-20		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		28-SEP-20		<b>X:</b> -75.9150514	
<b>Previous Site Name:</b>				<b>Y:</b> 45.3456468	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">47</a>	14 of 14	ESE/209.2	79.0 / -2.94	425 Legget Drive Kanata ON K2K 3C9	EHS
<b>Order No:</b>		20292800081		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		01-OCT-20		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		28-SEP-20		<b>X:</b> -75.9150514	
<b>Previous Site Name:</b>				<b>Y:</b> 45.3456468	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">48</a>	1 of 1	W/216.8	85.8 / 3.86	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Borehole ID:</b>	609784			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511399			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	MAR-1953			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.346969
<b>Total Depth m:</b>	37.2			<b>Longitude DD:</b>	-75.925596
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	427491
<b>Drill Method:</b>				<b>Northing:</b>	5021912
<b>Orig Ground Elev m:</b>	85.3			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	82.3				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218384078			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	14.9			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	37.2			<b>Material Texture:</b>	
<b>Material Color:</b>	Black			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SANDSTONE. 00120K. GRANITE. GREY. GRANITE. BLACK. 003050. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratum ID:</b>	218384077			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	14.9			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 02292 NTS_Sheet:				
<b>Confiden 1:</b>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Scale or Resolution:</b> Varies					
<b>Source Name:</b> Urban Geology Automated Information System (UGAIS)					
<b>Source Originators:</b> Geological Survey of Canada					

<a href="#">49</a>	1 of 1	W/216.8	85.8 / 3.86	lot 9 con 3 ON	WWIS
<b>Well ID:</b> 1503346					
<b>Construction Date:</b>					
<b>Primary Water Use:</b> Domestic					
<b>Sec. Water Use:</b> 0					
<b>Final Well Status:</b> Water Supply					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b>					
<b>Tag:</b>					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b> 1					
<b>Date Received:</b> 4/20/1953					
<b>Selected Flag:</b> True					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 1802					
<b>Form Version:</b> 1					
<b>Owner:</b>					
<b>Street Name:</b>					
<b>County:</b> OTTAWA					
<b>Municipality:</b> MARCH TOWNSHIP					
<b>Site Info:</b>					
<b>Lot:</b> 009					
<b>Concession:</b> 03					
<b>Concession Name:</b> CON					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503346.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503346.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1953/03/06  
**Year Completed:** 1953  
**Depth (m):** 37.1856  
**Latitude:** 45.3469681620258  
**Longitude:** -75.9255952743531  
**Path:** 150\1503346.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b> 10025389	<b>Elevation:</b> 82.334884
<b>DP2BR:</b> 49.00	<b>Elevrc:</b>
<b>Spatial Status:</b>	<b>Zone:</b> 18
<b>Code OB:</b> r	<b>East83:</b> 427490.60
<b>Code OB Desc:</b> Bedrock	<b>North83:</b> 5021912.00
<b>Open Hole:</b>	<b>Org CS:</b>
<b>Cluster Kind:</b>	<b>UTMRC:</b> 5
<b>Date Completed:</b> 06-Mar-1953 00:00:00	<b>UTMRC Desc:</b> margin of error : 100 m - 300 m
<b>Remarks:</b>	<b>Location Method:</b> p5
<b>Elevrc Desc:</b>	
<b>Location Source Date:</b>	
<b>Improvement Location Source:</b>	
<b>Improvement Location Method:</b>	
<b>Source Revision Comment:</b>	
<b>Supplier Comment:</b>	

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996633  
**Layer:** 2

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		49.0			
<b>Formation End Depth:</b>		122.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930996632			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		49.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503346			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573959			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043531			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		122			
<b>Casing Diameter:</b>		3			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043530			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Depth From:</b>					
<b>Depth To:</b>		49			
<b>Casing Diameter:</b>		3			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503346			
<b>Pump Set At:</b>					
<b>Static Level:</b>		14.0			
<b>Final Level After Pumping:</b>		30.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		2.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456240			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		120.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">50</a>	1 of 2	SSW/217.9	83.9 / 1.98	COLONNADE DEVELOPMENT INC. 60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	CA
<b>Certificate #:</b>		3-1606-98-			
<b>Application Year:</b>		98			
<b>Issue Date:</b>		10/26/1998			
<b>Approval Type:</b>		Municipal sewage			
<b>Status:</b>		Cancelled			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

<a href="#">50</a>	2 of 2	SSW/217.9	83.9 / 1.98	COLONNADE DEVELOPMENT INC. SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	CA
<b>Certificate #:</b>		3-1697-98-			
<b>Application Year:</b>		98			
<b>Issue Date:</b>		11/5/1998			
<b>Approval Type:</b>		Municipal sewage			
<b>Status:</b>		Cancelled			
<b>Application Type:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">51</a>	1 of 1	ESE/219.5	79.0 / -2.97	370-450 Huntmar Drive Ottawa ON	EHS
<b>Order No:</b> 21091500316 <b>Status:</b> C <b>Report Type:</b> RSC Report - Quote <b>Report Date:</b> 20-SEP-21 <b>Date Received:</b> 15-SEP-21 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .3 <b>X:</b> -75.91494054 <b>Y:</b> 45.34558141					
<a href="#">52</a>	1 of 21	SE/235.2	79.8 / -2.08	LOCKHEED CANADA INC. 3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	CA
<b>Certificate #:</b> 8-4021-94- <b>Application Year:</b> 94 <b>Issue Date:</b> 4/14/1994 <b>Approval Type:</b> Industrial air <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> DF-6218 DEVILBISS PAINT SPRAY BOOTH <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">52</a>	2 of 21	SE/235.2	79.8 / -2.08	LOCKHEED CANADA INC. 3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	CA
<b>Certificate #:</b> 8-4029-94- <b>Application Year:</b> 94 <b>Issue Date:</b> 4/21/1994 <b>Approval Type:</b> Industrial air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EXHAUST FOR SPRAY BOOTH, COATING PROCESS <b>Contaminants:</b> Xylene, Ethyl Benzene, Toluene(Pentyl Methane)(Methyl Benzene), Methyl Ethyl Ketone (Butanone), Isopropyl Alcohol, Methyl Chloroform <b>Emission Control:</b> Panel Filter					
<a href="#">52</a>	3 of 21	SE/235.2	79.8 / -2.08	LOCKHEED MARTIN CANADA INC 3001 SOLANDT RD	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>KANATA ON K2K 2M8</b>					
<b>Established:</b>		1988			
<b>Plant Size (ft²):</b>		0			
<b>Employment:</b>		300			
<b>--Details--</b>					
<b>Description:</b>		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3679			
<b>Description:</b>		SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEMS AND INSTRUMENTS			
<b>SIC/NAICS Code:</b>		3812			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">52</a>	4 of 21	SE/235.2	79.8 / -2.08	<b>Lockheed Martin Canada Inc. 3001 Solandt Rd Kanata ON K2K 2M8</b>	<b>SCT</b>
<b>Established:</b>		01-AUG-88			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Navigational and Guidance Instruments Manufacturing			
<b>SIC/NAICS Code:</b>		334511			
<a href="#">52</a>	5 of 21	SE/235.2	79.8 / -2.08	<b>3001 Solandt Road Kanata ON K2K 2M8</b>	<b>CA</b>
<b>Certificate #:</b>		6668-4J6PK6			
<b>Application Year:</b>		00			
<b>Issue Date:</b>		5/12/00			
<b>Approval Type:</b>		Industrial air			
<b>Status:</b>		Approved			
<b>Application Type:</b>		Amended CofA			
<b>Client Name:</b>		Lockheed Martin Canada Inc.			
<b>Client Address:</b>		3001 Solandt Road			
<b>Client City:</b>		Kanata			
<b>Client Postal Code:</b>		K2K 2M8			
<b>Project Description:</b>		This is an application for an amendment to Air Certificate of Approval to add one conformal coater, one oven and one drip coater to be used between 2 - 3 hours per week..			
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">52</a>	6 of 21	SE/235.2	79.8 / -2.08	<b>LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8</b>	<b>GEN</b>
<b>Generator No:</b>		ON0476102		<b>Status:</b>	
<b>SIC Code:</b>		3359		<b>Co Admin:</b>	
<b>SIC Description:</b>		OTHER COMMUN. & ELE.		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		95,96,97,98,99,00,01,02,03,04,05,06,07,08		<b>Phone No Admin:</b>	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>PO Box No:</i>				<i>Contam. Facility:</i>	
<i>Country:</i>				<i>MHSW Facility:</i>	
 <i>Detail(s)</i>					
<i>Waste Class:</i>		268			
<i>Waste Class Desc:</i>		AMINES			
<i>Waste Class:</i>		268			
<i>Waste Class Desc:</i>		AMINES			
<i>Waste Class:</i>		145			
<i>Waste Class Desc:</i>		PAINT/PIGMENT/COATING RESIDUES			
<i>Waste Class:</i>		146			
<i>Waste Class Desc:</i>		OTHER SPECIFIED INORGANICS			
<i>Waste Class:</i>		145			
<i>Waste Class Desc:</i>		PAINT/PIGMENT/COATING RESIDUES			
<i>Waste Class:</i>		112			
<i>Waste Class Desc:</i>		ACID WASTE - HEAVY METALS			
<i>Waste Class:</i>		121			
<i>Waste Class Desc:</i>		ALKALINE WASTES - HEAVY METALS			
<i>Waste Class:</i>		148			
<i>Waste Class Desc:</i>		INORGANIC LABORATORY CHEMICALS			
<i>Waste Class:</i>		212			
<i>Waste Class Desc:</i>		ALIPHATIC SOLVENTS			
<i>Waste Class:</i>		241			
<i>Waste Class Desc:</i>		HALOGENATED SOLVENTS			
<i>Waste Class:</i>		253			
<i>Waste Class Desc:</i>		EMULSIFIED OILS			
<i>Waste Class:</i>		263			
<i>Waste Class Desc:</i>		ORGANIC LABORATORY CHEMICALS			
<i>Waste Class:</i>		331			
<i>Waste Class Desc:</i>		WASTE COMPRESSED GASES			

[52](#)      7 of 21      SE/235.2      79.8 / -2.08      LOCKHEED MARTIN CANADA  
3001 SOLANDT ROAD      GEN  
KANATA ON K2K 2M8

<i>Generator No:</i>	ON0476102	<i>Status:</i>	
<i>SIC Code:</i>	336410	<i>Co Admin:</i>	
<i>SIC Description:</i>	Aerospace Product and Parts Manufacturing	<i>Choice of Contact:</i>	
<i>Approval Years:</i>	2009	<i>Phone No Admin:</i>	
<i>PO Box No:</i>		<i>Contam. Facility:</i>	
<i>Country:</i>		<i>MHSW Facility:</i>	

**Detail(s)**

<i>Waste Class:</i>	112
<i>Waste Class Desc:</i>	ACID WASTE - HEAVY METALS
<i>Waste Class:</i>	121
<i>Waste Class Desc:</i>	ALKALINE WASTES - HEAVY METALS



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		268			
<b>Waste Class Desc:</b>		AMINES			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			

<a href="#">52</a>	8 of 21	SE/235.2	79.8 / -2.08	Lockheed Martin Canada Inc. 3001 Solandt Road Ottawa ON K2K 2M8	EBR
<b>EBR Registry No:</b>	011-8066			<b>Decision Posted:</b>	
<b>Ministry Ref No:</b>	0853-93TR59			<b>Exception Posted:</b>	
<b>Notice Type:</b>	Instrument Proposal			<b>Section:</b>	
<b>Notice Stage:</b>				<b>Act 1:</b>	
<b>Notice Date:</b>				<b>Act 2:</b>	
<b>Proposal Date:</b>	January 28, 2013			<b>Site Location Map:</b>	
<b>Year:</b>	2013				
<b>Instrument Type:</b>	(EPA Part II.1) - Environmental Compliance Approval (project type: air)				
<b>Off Instrument Name:</b>					
<b>Posted By:</b>					
<b>Company Name:</b>					
<b>Site Address:</b>					
<b>Location Other:</b>					
<b>Proponent Name:</b>					
<b>Proponent Address:</b>	3001 Solandt Road Ottawa Ontario Canada K2K 2M8				
<b>Comment Period:</b>					
<b>URL:</b>					
<b>Site Location Details:</b>					
3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA					

<a href="#">52</a>	9 of 21	SE/235.2	79.8 / -2.08	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
<b>Generator No:</b>	ON0476102			<b>Status:</b>	
<b>SIC Code:</b>	336410			<b>Co Admin:</b>	
<b>SIC Description:</b>	Aerospace Product and Parts Manufacturing			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2010			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		268			
<b>Waste Class Desc:</b>		AMINES			

<b><u>52</u></b>	10 of 21	<b>SE/235.2</b>	<b>79.8 / -2.08</b>	<b>LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8</b>	<b>GEN</b>
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<b>Generator No:</b>	ON0476102	<b>Status:</b>	
<b>SIC Code:</b>	336410	<b>Co Admin:</b>	
<b>SIC Description:</b>	Aerospace Product and Parts Manufacturing	<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2011	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>		<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>	331
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES
<b>Waste Class:</b>	112
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS
<b>Waste Class:</b>	212
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS
<b>Waste Class:</b>	148
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	263
<b>Waste Class Desc:</b>	ORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	145
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES
<b>Waste Class:</b>	121

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		268			
<b>Waste Class Desc:</b>		AMINES			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			

<a href="#">52</a>	11 of 21	SE/235.2	79.8 / -2.08	MORGUARD INVESTMENTS LTD. 3001 SOLANDT STREET KANATA ON	GEN
<b>Generator No:</b>		ON9884765		<b>Status:</b>	
<b>SIC Code:</b>		336410		<b>Co Admin:</b>	
<b>SIC Description:</b>		Aerospace Product and Parts Manufacturing		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2012		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	

<a href="#">52</a>	12 of 21	SE/235.2	79.8 / -2.08	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
<b>Generator No:</b>		ON0476102		<b>Status:</b>	
<b>SIC Code:</b>		336410		<b>Co Admin:</b>	
<b>SIC Description:</b>		Aerospace Product and Parts Manufacturing		<b>Choice of Contact:</b>	
<b>Approval Years:</b>		2012		<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	

**Detail(s)**

<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		268			
<b>Waste Class Desc:</b>		AMINES			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<a href="#">52</a>	13 of 21	SE/235.2	79.8 / -2.08	Lockheed Martin Canada Inc. 3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA ON	EBR
<b>EBR Registry No:</b>	011-8066			<b>Decision Posted:</b>	
<b>Ministry Ref No:</b>	0853-93TR59			<b>Exception Posted:</b>	
<b>Notice Type:</b>	Instrument Decision			<b>Section:</b>	
<b>Notice Stage:</b>				<b>Act 1:</b>	
<b>Notice Date:</b>	April 11, 2014			<b>Act 2:</b>	
<b>Proposal Date:</b>	January 28, 2013			<b>Site Location Map:</b>	
<b>Year:</b>	2013				
<b>Instrument Type:</b>	(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)				
<b>Off Instrument Name:</b>					
<b>Posted By:</b>					
<b>Company Name:</b>	Lockheed Martin Canada Inc.				
<b>Site Address:</b>					
<b>Location Other:</b>					
<b>Proponent Name:</b>					
<b>Proponent Address:</b>	3001 Solandt Road, Ottawa Ontario, Canada K2K 2M8				
<b>Comment Period:</b>					
<b>URL:</b>					
<b>Site Location Details:</b>					
3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA					
<a href="#">52</a>	14 of 21	SE/235.2	79.8 / -2.08	Lockheed Martin Canada Inc. 3001 Solandt Road Ottawa ON	ECA
<b>Approval No:</b>	3445-9FMN4B			<b>MOE District:</b>	
<b>Approval Date:</b>	4/2/14			<b>City:</b>	Ottawa
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.916666666666714036182384006679058 074951171875
<b>Record Type:</b>				<b>Latitude:</b>	45.3441666666666628771054092794656753 5400390625
<b>Link Source:</b>				<b>Geometry X:</b>	
<b>SWP Area Name:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>					
<b>Project Type:</b>	Air/Noise				
<b>Business Name:</b>	Lockheed Martin Canada Inc.				
<b>Address:</b>					
<b>Full Address:</b>	3001 Solandt Road Ottawa, Ontario				
<b>Full PDF Link:</b>					
<b>PDF Site Location:</b>					
<a href="#">52</a>	15 of 21	SE/235.2	79.8 / -2.08	3001 Solandt Road Kanata ON	EHS
<b>Order No:</b>	20130513003			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	Kanata
<b>Report Type:</b>	RSC Report (Urban)			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	21-MAY-13			<b>Search Radius (km):</b>	.3
<b>Date Received:</b>	13-MAY-13			<b>X:</b>	-75.916515
<b>Previous Site Name:</b>	unknown			<b>Y:</b>	45.344055
<b>Lot/Building Size:</b>	5.13 acres				
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">52</a>	16 of 21	SE/235.2	79.8 / -2.08	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON	GEN
<b>Generator No:</b>	ON0476102			<b>Status:</b>	
<b>SIC Code:</b>	336410			<b>Co Admin:</b>	
<b>SIC Description:</b>	AEROSPACE PRODUCT AND PARTS MANUFACTURING			<b>Choice of Contact:</b>	
<b>Approval Years:</b>	2013			<b>Phone No Admin:</b>	
<b>PO Box No:</b>				<b>Contam. Facility:</b>	
<b>Country:</b>				<b>MHSW Facility:</b>	
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	252				
<b>Waste Class Desc:</b>	WASTE OILS & LUBRICANTS				
<b>Waste Class:</b>	263				
<b>Waste Class Desc:</b>	ORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	112				
<b>Waste Class Desc:</b>	ACID WASTE - HEAVY METALS				
<b>Waste Class:</b>	331				
<b>Waste Class Desc:</b>	WASTE COMPRESSED GASES				
<b>Waste Class:</b>	253				
<b>Waste Class Desc:</b>	EMULSIFIED OILS				
<b>Waste Class:</b>	145				
<b>Waste Class Desc:</b>	PAINT/PIGMENT/COATING RESIDUES				
<b>Waste Class:</b>	268				
<b>Waste Class Desc:</b>	AMINES				
<b>Waste Class:</b>	241				
<b>Waste Class Desc:</b>	HALOGENATED SOLVENTS				
<b>Waste Class:</b>	148				
<b>Waste Class Desc:</b>	INORGANIC LABORATORY CHEMICALS				
<b>Waste Class:</b>	146				
<b>Waste Class Desc:</b>	OTHER SPECIFIED INORGANICS				
<b>Waste Class:</b>	212				
<b>Waste Class Desc:</b>	ALIPHATIC SOLVENTS				
<b>Waste Class:</b>	121				
<b>Waste Class Desc:</b>	ALKALINE WASTES - HEAVY METALS				
<b>Waste Class:</b>	232				
<b>Waste Class Desc:</b>	POLYMERIC RESINS				
<a href="#">52</a>	17 of 21	SE/235.2	79.8 / -2.08	Lockheed Martin Canada Inc. 3001 Solandt Rd Ottawa ON K2K 2M8	ECA
<b>Approval No:</b>	3445-9FMN4B			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2014-04-02			<b>City:</b>	
<b>Status:</b>	Revoked and/or Replaced			<b>Longitude:</b>	-75.91657
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.34411
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b> <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> Lockheed Martin Canada Inc. <b>Address:</b> 3001 Solandt Rd <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0853-93TR59-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0853-93TR59-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">52</a>	18 of 21	SE/235.2	79.8 / -2.08	<b>Lockheed Martin Canada Inc.</b> 3001 Solandt Road Kanata ON K2K 2M8	ECA
<b>Approval No:</b> 6668-4J6PK6 <b>MOE District:</b> Ottawa <b>Approval Date:</b> 2000-05-12 <b>City:</b> <b>Status:</b> Revoked and/or Replaced <b>Longitude:</b> -75.91657 <b>Record Type:</b> ECA <b>Latitude:</b> 45.34411 <b>Link Source:</b> IDS <b>Geometry X:</b> <b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b> <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> Lockheed Martin Canada Inc. <b>Address:</b> 3001 Solandt Road <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3170-4J4J43-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3170-4J4J43-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">52</a>	19 of 21	SE/235.2	79.8 / -2.08	<b>Lockheed Martin Canada Inc.</b> 3001 Solandt Rd Ottawa ON K2K 2M8	ECA
<b>Approval No:</b> 0118-78PQ7X <b>MOE District:</b> Ottawa <b>Approval Date:</b> 2007-11-07 <b>City:</b> <b>Status:</b> Revoked and/or Replaced <b>Longitude:</b> -75.91657 <b>Record Type:</b> ECA <b>Latitude:</b> 45.34411 <b>Link Source:</b> IDS <b>Geometry X:</b> <b>SWP Area Name:</b> Mississippi Valley <b>Geometry Y:</b> <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> Lockheed Martin Canada Inc. <b>Address:</b> 3001 Solandt Rd <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0986-77LRAX-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0986-77LRAX-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">52</a>	20 of 21	SE/235.2	79.8 / -2.08	<b>LOCKHEED MARTIN CANADA</b> 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
<b>Generator No:</b> ON0476102 <b>Status:</b> <b>SIC Code:</b> 336410 <b>Co Admin:</b> Scott D Forsyth <b>SIC Description:</b> AEROSPACE PRODUCT AND PARTS <b>Choice of Contact:</b> CO_ADMIN MANUFACTURING <b>Approval Years:</b> 2014 <b>Phone No Admin:</b> 613-599-3270 Ext.3887 <b>PO Box No:</b> <b>Contam. Facility:</b> No <b>Country:</b> Canada <b>MHSW Facility:</b> No					
<b>Detail(s)</b>					
<b>Waste Class:</b>		232			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Desc:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		146			
<b>Waste Class Desc:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		145			
<b>Waste Class Desc:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		148			
<b>Waste Class Desc:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		211			
<b>Waste Class Desc:</b>		AROMATIC SOLVENTS			
<b>Waste Class:</b>		268			
<b>Waste Class Desc:</b>		AMINES			
<b>Waste Class:</b>		121			
<b>Waste Class Desc:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		241			
<b>Waste Class Desc:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Desc:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Desc:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		331			
<b>Waste Class Desc:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		112			
<b>Waste Class Desc:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		253			
<b>Waste Class Desc:</b>		EMULSIFIED OILS			

[52](#)    21 of 21    **SE/235.2**    **79.8 / -2.08**    **Morguard Investments**  
**3001 Solandt Rd**  
**Kanata ON K2K 3M8**    **GEN**

<b>Generator No:</b>	ON3300096	<b>Status:</b>	Registered
<b>SIC Code:</b>		<b>Co Admin:</b>	
<b>SIC Description:</b>		<b>Choice of Contact:</b>	
<b>Approval Years:</b>	As of Dec 2017	<b>Phone No Admin:</b>	
<b>PO Box No:</b>		<b>Contam. Facility:</b>	
<b>Country:</b>	Canada	<b>MHSW Facility:</b>	

**Detail(s)**

**Waste Class:** 212 L  
**Waste Class Desc:** Aliphatic solvents and residues

[53](#)    1 of 1    **W/243.3**    **86.9 / 4.95**    **O HINES DRIVE**  
**KANATA ON**    **WWIS**

<b>Well ID:</b>	7218163	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole	<b>Date Received:</b>	3/20/2014

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Observation Wells			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z178057			<b>Owner:</b>	
<b>Tag:</b>	A156413			<b>Street Name:</b>	O HINES DRIVE
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/721\7218163.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7218163.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2014/02/14  
**Year Completed:** 2014  
**Depth (m):** 9.45  
**Latitude:** 45.346741750083  
**Longitude:** -75.9257651900175  
**Path:** 721\7218163.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004724220	<b>Elevation:</b>	82.578880
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427477.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021887.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	14-Feb-2014 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1005093643  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:** 74  
**Mat3 Desc:** LAYERED  
**Formation Top Depth:** 2.3499999046325684  
**Formation End Depth:** 8.529999732971191  
**Formation End Depth UOM:** m



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1005093644			
<b>Layer:</b>		5			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		74			
<b>Mat3 Desc:</b>		LAYERED			
<b>Formation Top Depth:</b>		8.529999732971191			
<b>Formation End Depth:</b>		9.449999809265137			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1005093641			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.3100000023841858			
<b>Formation End Depth:</b>		2.130000114440918			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1005093642			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		74			
<b>Mat3 Desc:</b>		LAYERED			
<b>Formation Top Depth:</b>		2.130000114440918			
<b>Formation End Depth:</b>		2.3499999046325684			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1005093640			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.3100000023841858			
<b>Formation End Depth UOM:</b>		m			
 <b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005093653			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.310000002384186			
<b>Plug Depth UOM:</b>		m			
 <b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005093654			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.310000002384186			
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		m			
 <b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005093655			
<b>Layer:</b>		3			
<b>Plug From:</b>					
<b>Plug To:</b>		9.44999980926514			
<b>Plug Depth UOM:</b>		m			
 <b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005093652			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
 <b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005093639			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005093648			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		6.40000009536743			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Construction Record - Screen</u></b>					
Screen ID:	1005093649				
Layer:	1				
Slot:	10				
Screen Top Depth:	6.40000009536743				
Screen End Depth:	9.44999980926514				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	4.82000017166138				
<b><u>Water Details</u></b>					
Water ID:	1005093647				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
<b><u>Hole Diameter</u></b>					
Hole ID:	1005093646				
Diameter:	7.619999885559082				
Depth From:	3.0999999046325684				
Depth To:	9.449999809265137				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<b><u>Hole Diameter</u></b>					
Hole ID:	1005093645				
Diameter:	11.430000305175781				
Depth From:	0.0				
Depth To:	3.0999999046325684				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<a href="#">54</a>	1 of 9	SSE/244.3	80.8 / -1.14	495 March Road Kanata ON K2K 3G1	CA
Certificate #:	5602-4STJ67				
Application Year:	01				
Issue Date:	1/29/01				
Approval Type:	Industrial air				
Status:	Approved				
Application Type:	New Certificate of Approval				
Client Name:	E-Cruiter.com Inc.				
Client Address:	495 March Road				
Client City:	Kanata				
Client Postal Code:	K2K 3G1				
Project Description:	This application is for the installation of one (1) standby emergency diesel generator				
Contaminants:					
Emission Control:	Enclosure				
<a href="#">54</a>	2 of 9	SSE/244.3	80.8 / -1.14	Dinmar Consulting Inc. 495 March Rd Suite 400 Kanata ON K2K 3G1	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
	65				
<b>--Details--</b>					
<b>Description:</b>					
<b>SIC/NAICS Code:</b>					
	Software Publishers				
	511210				
<b>Description:</b>					
<b>SIC/NAICS Code:</b>					
	Computer Systems Design and Related Services				
	541510				
<a href="#">54</a>	3 of 9	SSE/244.3	80.8 / -1.14	<b>Halogen Software</b> 495 March Rd Suite 500 Ottawa ON K2K 3G1	SCT
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
	2001				
	80				
<b>--Details--</b>					
<b>Description:</b>					
<b>SIC/NAICS Code:</b>					
	Software Publishers				
	511210				
<a href="#">54</a>	4 of 9	SSE/244.3	80.8 / -1.14	<b>Picarro Canada Inc.</b> 495 March Road, Suite 100 Ottawa ON	CA
<b>Certificate #:</b>					
<b>Application Year:</b>					
<b>Issue Date:</b>					
<b>Approval Type:</b>					
<b>Status:</b>					
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
	2879-5L425B				
	2003				
	4/5/2003				
	Air				
	Approved				
<a href="#">54</a>	5 of 9	SSE/244.3	80.8 / -1.14	<b>OneChip Photonics Inc.</b> 495 March Rd Suite 200 Kanata ON K2K 3G1	SCT
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
	01-AUG-05				
	30000				
<b>--Details--</b>					
<b>Description:</b>					
<b>SIC/NAICS Code:</b>					
	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing				
	334220				
<b>Description:</b>					
<b>SIC/NAICS Code:</b>					
	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing				
	334220				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">54</a>	6 of 9	SSE/244.3	80.8 / -1.14	Halogen Software 495 March Rd Suite 500 Kanata ON K2K 3G1	SCT
<b>Established:</b>		01-SEP-01			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">54</a>	7 of 9	SSE/244.3	80.8 / -1.14	495 March Rd Ottawa ON K2K3G1	EHS
<b>Order No:</b>		20140130001		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		05-FEB-14		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		30-JAN-14		<b>X:</b> -75.920838	
<b>Previous Site Name:</b>				<b>Y:</b> 45.343452	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">54</a>	8 of 9	SSE/244.3	80.8 / -1.14	Picarro Canada Inc. 495 March Road, Suite 100 Ottawa ON K2K 3G1	ECA
<b>Approval No:</b>		2879-5L425B		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2003-04-05		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.9194	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.34321	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Picarro Canada Inc.			
<b>Address:</b>		495 March Road, Suite 100			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2565-5G5SFJ-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2565-5G5SFJ-14.pdf</a>			
<b>PDF Site Location:</b>					
<a href="#">54</a>	9 of 9	SSE/244.3	80.8 / -1.14	E-Cruiter.com Inc. 495 March Road Kanata ON K2K 3G1	ECA
<b>Approval No:</b>		5602-4STJ67		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2001-01-29		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.9194	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.34321	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		E-Cruiter.com Inc.			
<b>Address:</b>		495 March Road			
<b>Full Address:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Full PDF Link:</b>		https://www.accessenvironment.ene.gov.on.ca/instruments/8153-4R9MS8-14.pdf			
<b>PDF Site Location:</b>					
<a href="#">55</a>	1 of 18	WNW/247.1	80.9 / -1.05	964299 ONTARIO INC O/A ROB'S SHELL 720 MARCH RD KANATA ON K2K 2R9	FSTH
<b>License Issue Date:</b>	1/11/2002				
<b>Tank Status:</b>	Licensed				
<b>Tank Status As Of:</b>	August 2007				
<b>Operation Type:</b>	Retail Fuel Outlet				
<b>Facility Type:</b>	Gasoline Station - Split Serve				
<b>--Details--</b>					
<b>Status:</b>	Active				
<b>Year of Installation:</b>	2000				
<b>Corrosion Protection:</b>					
<b>Capacity:</b>	40000				
<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Gasoline				
<b>Status:</b>	Active				
<b>Year of Installation:</b>	2000				
<b>Corrosion Protection:</b>					
<b>Capacity:</b>	40000				
<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Gasoline				
<b>Status:</b>	Active				
<b>Year of Installation:</b>	2000				
<b>Corrosion Protection:</b>					
<b>Capacity:</b>	40000				
<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Gasoline				
<b>Status:</b>	Active				
<b>Year of Installation:</b>	2000				
<b>Corrosion Protection:</b>					
<b>Capacity:</b>	25000				
<b>Tank Fuel Type:</b>	Liquid Fuel Double Wall UST - Diesel				
<a href="#">55</a>	2 of 18	WNW/247.1	80.9 / -1.05	21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Ottawa ON K2L 1A1	SPL
<b>Ref No:</b>	3784-5K634B		<b>Discharger Report:</b>		
<b>Site No:</b>			<b>Material Group:</b> Oil		
<b>Incident Dt:</b>	2/26/2003		<b>Health/Env Conseq:</b>		
<b>Year:</b>			<b>Client Type:</b>		
<b>Incident Cause:</b>			<b>Sector Type:</b>		
<b>Incident Event:</b>			<b>Agency Involved:</b>		
<b>Contaminant Code:</b>	12		<b>Nearest Watercourse:</b>		
<b>Contaminant Name:</b>	GASOLINE		<b>Site Address:</b>		
<b>Contaminant Limit 1:</b>			<b>Site District Office:</b> Ottawa		
<b>Contam Limit Freq 1:</b>			<b>Site Postal Code:</b>		
<b>Contaminant UN No 1:</b>			<b>Site Region:</b> Eastern		
<b>Environment Impact:</b>	Not Anticipated		<b>Site Municipality:</b> Ottawa		
<b>Nature of Impact:</b>	Human Health/Safety		<b>Site Lot:</b>		
<b>Receiving Medium:</b>	Land		<b>Site Conc:</b>		
<b>Receiving Env:</b>			<b>Northing:</b>		
<b>MOE Response:</b>			<b>Easting:</b>		
<b>Dt MOE Arvl on Scn:</b>			<b>Site Geo Ref Accu:</b>		
<b>MOE Reported Dt:</b>	2/26/2003		<b>Site Map Datum:</b>		
<b>Dt Document Closed:</b>			<b>SAC Action Class:</b>		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident Reason:</b>		<b>Source Type:</b>			
<b>Site Name:</b>		21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL>			
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>		Shell - spill of 25L of gasoline to ground			
<b>Contaminant Qty:</b>		25 L			
<a href="#">55</a>	3 of 18	WNW/247.1	80.9 / -1.05	964299 ONTARIO INC O/A ROB'S SHELL 720 MARCH RD KANATA ON K2K 2R9	FSTH
<b>License Issue Date:</b>		1/11/2002			
<b>Tank Status:</b>		Pending Renewal			
<b>Tank Status As Of:</b>		December 2008			
<b>Operation Type:</b>		Retail Fuel Outlet			
<b>Facility Type:</b>		Gasoline Station - Split Serve			
<b>--Details--</b>					
<b>Status:</b>		Active			
<b>Year of Installation:</b>		2000			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		2000			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		2000			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		2000			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		25000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Diesel			
<a href="#">55</a>	4 of 18	WNW/247.1	80.9 / -1.05	Shell Canada OP Inc. and Shell Canada Products Limited 720 March Road Ottawa ON	CA
<b>Certificate #:</b>		6201-5R2QCA			
<b>Application Year:</b>		2003			
<b>Issue Date:</b>		10/9/2003			
<b>Approval Type:</b>		Industrial Sewage Works			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">55</a>	5 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA ON K2K 2R9	DTNK

Delisted Expired Fuel Safety Facilities

<b>Instance No:</b>	10281064	<b>Expired Date:</b>	12/11/1999
<b>Status:</b>	EXPIRED	<b>Max Hazard Rank:</b>	
<b>Instance ID:</b>		<b>Facility Location:</b>	
<b>Instance Type:</b>	FS Facility	<b>Facility Type:</b>	
<b>Instance Creation Dt:</b>		<b>Fuel Type 2:</b>	
<b>Instance Install Dt:</b>		<b>Fuel Type 3:</b>	
<b>Item Description:</b>		<b>Panam Related:</b>	
<b>Manufacturer:</b>		<b>Panam Venue Nm:</b>	
<b>Model:</b>		<b>External Identifier:</b>	
<b>Serial No:</b>		<b>Item:</b>	
<b>ULC Standard:</b>		<b>Piping Steel:</b>	
<b>Quantity:</b>		<b>Piping Galvanized:</b>	
<b>Unit of Measure:</b>		<b>Tank Single Wall St:</b>	
<b>Overfill Prot Type:</b>		<b>Piping Underground:</b>	
<b>Creation Date:</b>		<b>Tank Underground:</b>	
<b>Next Periodic Str DT:</b>		<b>Source:</b>	
<b>TSSA Base Sched Cycle 2:</b>			
<b>TSSAMax Hazard Rank 1:</b>			
<b>TSSA Risk Based Periodic Yn:</b>			
<b>TSSA Volume of Directives:</b>			
<b>TSSA Periodic Exempt:</b>			
<b>TSSA Statutory Interval:</b>			
<b>TSSA Recd Insp Interva:</b>			
<b>TSSA Recd Tolerance:</b>			
<b>TSSA Program Area:</b>			
<b>TSSA Program Area 2:</b>			
<b>Description:</b>			
<b>Original Source:</b>	EXP		
<b>Record Date:</b>	Up to May 2013		

<a href="#">55</a>	6 of 18	WNW/247.1	80.9 / -1.05	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
<b>Instance No:</b>	11625653	<b>Manufacturer:</b>			
<b>Status:</b>		<b>Serial No:</b>			
<b>Cont Name:</b>		<b>Ulc Standard:</b>			
<b>Instance Type:</b>	FS Liquid Fuel Tank	<b>Quantity:</b>			
<b>Item:</b>	FS LIQUID FUEL TANK	<b>Unit of Measure:</b>			
<b>Item Description:</b>	FS Liquid Fuel Tank	<b>Fuel Type:</b>	Gasoline		
<b>Tank Type:</b>	Double Wall UST	<b>Fuel Type2:</b>	NULL		
<b>Install Date:</b>	8/27/2009 5:35:17 PM	<b>Fuel Type3:</b>	NULL		
<b>Install Year:</b>	2000	<b>Piping Steel:</b>			
<b>Years in Service:</b>		<b>Piping Galvanized:</b>			
<b>Model:</b>	NULL	<b>Tanks Single Wall St:</b>			
<b>Description:</b>		<b>Piping Underground:</b>			
<b>Capacity:</b>	35000	<b>Num Underground:</b>			
<b>Tank Material:</b>	Fiberglass (FRP)	<b>Panam Related:</b>			
<b>Corrosion Protect:</b>		<b>Panam Venue:</b>			
<b>Overfill Protect:</b>					
<b>Facility Type:</b>	FS Liquid Fuel Tank				
<b>Parent Facility Type:</b>	FS Gasoline Station - Self Serve				
<b>Facility Location:</b>					
<b>Device Installed Location:</b>	720 MARCH RD KANATA K2K 2R9 ON CA				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b>	2643320 ONTARIO INC.				
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>					
<b>Owner Account Name:</b>	2643320 ONTARIO INC.				
<b>Item:</b>	FS LIQUID FUEL TANK				

<a href="#">55</a>	7 of 18	WNW/247.1	80.9 / -1.05	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
<b>Instance No:</b>	11625672			<b>Manufacturer:</b>	
<b>Status:</b>				<b>Serial No:</b>	
<b>Cont Name:</b>				<b>Ulc Standard:</b>	
<b>Instance Type:</b>	FS Liquid Fuel Tank			<b>Quantity:</b>	
<b>Item:</b>	FS LIQUID FUEL TANK			<b>Unit of Measure:</b>	
<b>Item Description:</b>	FS Liquid Fuel Tank			<b>Fuel Type:</b>	Gasoline
<b>Tank Type:</b>	Double Wall UST			<b>Fuel Type2:</b>	NULL
<b>Install Date:</b>	8/27/2009 5:35:44 PM			<b>Fuel Type3:</b>	NULL
<b>Install Year:</b>	2000			<b>Piping Steel:</b>	
<b>Years in Service:</b>				<b>Piping Galvanized:</b>	
<b>Model:</b>	NULL			<b>Tanks Single Wall St:</b>	
<b>Description:</b>				<b>Piping Underground:</b>	
<b>Capacity:</b>	35000			<b>Num Underground:</b>	
<b>Tank Material:</b>	Fiberglass (FRP)			<b>Panam Related:</b>	
<b>Corrosion Protect:</b>				<b>Panam Venue:</b>	
<b>Overfill Protect:</b>					
<b>Facility Type:</b>	FS Liquid Fuel Tank				
<b>Parent Facility Type:</b>	FS Gasoline Station - Self Serve				
<b>Facility Location:</b>					
<b>Device Installed Location:</b>	720 MARCH RD KANATA K2K 2R9 ON CA				

<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b>	2643320 ONTARIO INC.				
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>					
<b>Owner Account Name:</b>	2643320 ONTARIO INC.				
<b>Item:</b>	FS LIQUID FUEL TANK				

<a href="#">55</a>	8 of 18	WNW/247.1	80.9 / -1.05	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
<b>Instance No:</b>	11625723			<b>Manufacturer:</b>	
<b>Status:</b>				<b>Serial No:</b>	
<b>Cont Name:</b>				<b>Ulc Standard:</b>	
<b>Instance Type:</b>	FS Liquid Fuel Tank			<b>Quantity:</b>	
<b>Item:</b>	FS LIQUID FUEL TANK			<b>Unit of Measure:</b>	
<b>Item Description:</b>	FS Liquid Fuel Tank			<b>Fuel Type:</b>	Diesel
<b>Tank Type:</b>	Double Wall UST			<b>Fuel Type2:</b>	NULL
<b>Install Date:</b>	8/27/2009 5:37:19 PM			<b>Fuel Type3:</b>	NULL
<b>Install Year:</b>	2000			<b>Piping Steel:</b>	
<b>Years in Service:</b>				<b>Piping Galvanized:</b>	
<b>Model:</b>	NULL			<b>Tanks Single Wall St:</b>	
<b>Description:</b>				<b>Piping Underground:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Capacity:</b> 25000 <b>Tank Material:</b> Fiberglass (FRP) <b>Corrosion Protect:</b> <b>Overfill Protect:</b> <b>Facility Type:</b> FS Liquid Fuel Tank <b>Parent Facility Type:</b> FS Gasoline Station - Self Serve <b>Facility Location:</b> <b>Device Installed Location:</b> 720 MARCH RD KANATA K2K 2R9 ON CA <b>Num Underground:</b> <b>Panam Related:</b> <b>Panam Venue:</b>					
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b> 2643320 ONTARIO INC.					
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>					
<b>Owner Account Name:</b> 2643320 ONTARIO INC.					
<b>Item:</b> FS LIQUID FUEL TANK					
<a href="#">55</a>	9 of 18	WNW/247.1	80.9 / -1.05	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
<b>Instance No:</b> 11625690 <b>Status:</b> <b>Cont Name:</b> <b>Instance Type:</b> FS Liquid Fuel Tank <b>Item:</b> FS LIQUID FUEL TANK <b>Item Description:</b> FS Liquid Fuel Tank <b>Tank Type:</b> Double Wall UST <b>Install Date:</b> 8/27/2009 5:36:49 PM <b>Install Year:</b> 2000 <b>Years in Service:</b> <b>Model:</b> NULL <b>Description:</b> <b>Capacity:</b> 35000 <b>Tank Material:</b> Fiberglass (FRP) <b>Corrosion Protect:</b> <b>Overfill Protect:</b> <b>Facility Type:</b> FS Liquid Fuel Tank <b>Parent Facility Type:</b> FS Gasoline Station - Self Serve <b>Facility Location:</b> <b>Device Installed Location:</b> 720 MARCH RD KANATA K2K 2R9 ON CA <b>Manufacturer:</b> <b>Serial No:</b> <b>Ulc Standard:</b> <b>Quantity:</b> <b>Unit of Measure:</b> <b>Fuel Type:</b> Gasoline <b>Fuel Type2:</b> NULL <b>Fuel Type3:</b> NULL <b>Piping Steel:</b> <b>Piping Galvanized:</b> <b>Tanks Single Wall St:</b> <b>Piping Underground:</b> <b>Num Underground:</b> <b>Panam Related:</b> <b>Panam Venue:</b>					
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b> 2643320 ONTARIO INC.					
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>					
<b>Owner Account Name:</b> 2643320 ONTARIO INC.					
<b>Item:</b> FS LIQUID FUEL TANK					
<a href="#">55</a>	10 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	DTNK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">55</a>	11 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	DTNK
<a href="#">55</a>	12 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	DTNK
<a href="#">55</a>	13 of 18	WNW/247.1	80.9 / -1.05	Shell Station<UNOFFICIAL> 720 March Rd Ottawa ON	SPL
<b>Ref No:</b>	3316-9QLR3A			<b>Discharger Report:</b>	
<b>Site No:</b>	2711-5LDKRB			<b>Material Group:</b>	
<b>Incident Dt:</b>	2014/11/06			<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	Leak/Break			<b>Sector Type:</b>	Service Station
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	12			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	GASOLINE			<b>Site Address:</b>	720 March Rd
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	NA
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	Confirmed			<b>Site Municipality:</b>	Ottawa
<b>Nature of Impact:</b>	Surface Water Pollution			<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	NA
<b>MOE Response:</b>	No Field Response			<b>Easting:</b>	NA
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	NA
<b>MOE Reported Dt:</b>	2014/11/06			<b>Site Map Datum:</b>	NA
<b>Dt Document Closed:</b>	2014/11/13			<b>SAC Action Class:</b>	Watercourse Spills
<b>Incident Reason:</b>	Operator/Human Error			<b>Source Type:</b>	
<b>Site Name:</b>	720 March Road				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>	NA				
<b>Incident Summary:</b>	Shell Station, 15 L deisel to pavement, and 1 c/b				
<b>Contaminant Qty:</b>	15 L				
<a href="#">55</a>	14 of 18	WNW/247.1	80.9 / -1.05	Shell Canada OP Inc. and Shell Canada Products Limited 720 March Road Ottawa ON M2N 6Y2	ECA
<b>Approval No:</b>	6201-5R2QCA			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2003-10-09			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.92642
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.351067
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-INDUSTRIAL SEWAGE WORKS				
<b>Project Type:</b>	INDUSTRIAL SEWAGE WORKS				
<b>Business Name:</b>	Shell Canada OP Inc. and Shell Canada Products Limited				
<b>Address:</b>	720 March Road				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7903-5LDKPW-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7903-5LDKPW-14.pdf</a>				
<b>PDF Site Location:</b>					
<a href="#">55</a>	15 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA	FST

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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ON

**Instance No:** 11597552  
**Status:**  
**Cont Name:**  
**Instance Type:**  
**Item:** FS LIQUID FUEL TANK  
**Item Description:** FS Liquid Fuel Tank  
**Tank Type:** Liquid Fuel Single Wall UST  
**Install Date:** 12/10/1999  
**Install Year:** 1999  
**Years in Service:**  
**Model:** NULL  
**Description:**  
**Capacity:** 50000  
**Tank Material:** Fiberglass (FRP)  
**Corrosion Protect:**  
**Overfill Protect:**  
**Facility Type:** FS Liquid Fuel Tank  
**Parent Facility Type:**  
**Facility Location:**  
**Device Installed Location:** 720 MARCH RD KANATA K2K 2R9 ON CA

**Manufacturer:**  
**Serial No:**  
**Ulc Standard:**  
**Quantity:**  
**Unit of Measure:**  
**Fuel Type:** Gasoline  
**Fuel Type2:** NULL  
**Fuel Type3:** NULL  
**Piping Steel:**  
**Piping Galvanized:**  
**Tanks Single Wall St:**  
**Piping Underground:**  
**Num Underground:**  
**Panam Related:**  
**Panam Venue:**

**Fuel Storage Tank Details**

**Owner Account Name:** SUNCOR ENERGY PRODUCTS INC

**Liquid Fuel Tank Details**

**Overfill Protection:**  
**Owner Account Name:** SUNCOR ENERGY PRODUCTS INC  
**Item:** FS LIQUID FUEL TANK

<a href="#">55</a>	16 of 18	WNW/247.1	80.9 / -1.05	720 MARCH RD KANATA ON K2K 2R9	FST
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**Instance No:** 64667332  
**Status:** Active  
**Cont Name:**  
**Instance Type:**  
**Item:** FS GASOLINE STATION - SELF SERVE  
**Item Description:**  
**Tank Type:**  
**Install Date:**  
**Install Year:**  
**Years in Service:**  
**Model:**  
**Description:**  
**Capacity:**  
**Tank Material:**  
**Corrosion Protect:**  
**Overfill Protect:**  
**Facility Type:**  
**Parent Facility Type:**  
**Facility Location:**  
**Device Installed Location:**

**Manufacturer:**  
**Serial No:**  
**Ulc Standard:**  
**Quantity:**  
**Unit of Measure:**  
**Fuel Type:**  
**Fuel Type2:**  
**Fuel Type3:**  
**Piping Steel:** 0  
**Piping Galvanized:** 0  
**Tanks Single Wall St:** 0  
**Piping Underground:** 3  
**Num Underground:** 4  
**Panam Related:**  
**Panam Venue:**

<a href="#">55</a>	17 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
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**Instance No:** 11597526 **Manufacturer:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Status:</b> <b>Cont Name:</b> <b>Instance Type:</b> <b>Item:</b> FS LIQUID FUEL TANK <b>Item Description:</b> FS Liquid Fuel Tank <b>Tank Type:</b> Liquid Fuel Single Wall UST <b>Install Date:</b> 12/10/1999 <b>Install Year:</b> 1999 <b>Years in Service:</b> <b>Model:</b> NULL <b>Description:</b> <b>Capacity:</b> 50000 <b>Tank Material:</b> Fiberglass (FRP) <b>Corrosion Protect:</b> <b>Overfill Protect:</b> <b>Facility Type:</b> FS Liquid Fuel Tank <b>Parent Facility Type:</b> <b>Facility Location:</b> <b>Device Installed Location:</b> 720 MARCH RD KANATA K2K 2R9 ON CA					
<b>Serial No:</b> <b>Ulc Standard:</b> <b>Quantity:</b> <b>Unit of Measure:</b> <b>Fuel Type:</b> Gasoline <b>Fuel Type2:</b> NULL <b>Fuel Type3:</b> NULL <b>Piping Steel:</b> <b>Piping Galvanized:</b> <b>Tanks Single Wall St:</b> <b>Piping Underground:</b> <b>Num Underground:</b> <b>Panam Related:</b> <b>Panam Venue:</b>					
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b> SUNCOR ENERGY PRODUCTS INC					
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>					
<b>Owner Account Name:</b> SUNCOR ENERGY PRODUCTS INC					
<b>Item:</b> FS LIQUID FUEL TANK					

<a href="#">55</a>	18 of 18	WNW/247.1	80.9 / -1.05	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
<b>Instance No:</b> 11597541 <b>Status:</b> <b>Cont Name:</b> <b>Instance Type:</b> <b>Item:</b> FS LIQUID FUEL TANK <b>Item Description:</b> FS Liquid Fuel Tank <b>Tank Type:</b> Liquid Fuel Single Wall UST <b>Install Date:</b> 12/10/1999 <b>Install Year:</b> 1999 <b>Years in Service:</b> <b>Model:</b> NULL <b>Description:</b> <b>Capacity:</b> 50000 <b>Tank Material:</b> Fiberglass (FRP) <b>Corrosion Protect:</b> <b>Overfill Protect:</b> <b>Facility Type:</b> FS Liquid Fuel Tank <b>Parent Facility Type:</b> <b>Facility Location:</b> <b>Device Installed Location:</b> 720 MARCH RD KANATA K2K 2R9 ON CA					
<b>Manufacturer:</b> <b>Serial No:</b> <b>Ulc Standard:</b> <b>Quantity:</b> <b>Unit of Measure:</b> <b>Fuel Type:</b> Gasoline <b>Fuel Type2:</b> NULL <b>Fuel Type3:</b> NULL <b>Piping Steel:</b> <b>Piping Galvanized:</b> <b>Tanks Single Wall St:</b> <b>Piping Underground:</b> <b>Num Underground:</b> <b>Panam Related:</b> <b>Panam Venue:</b>					
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b> SUNCOR ENERGY PRODUCTS INC					
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Owner Account Name:</i>		SUNCOR ENERGY PRODUCTS INC			
<i>Item:</i>		FS LIQUID FUEL TANK			

# Unplottable Summary

Total: 105 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 8/11 Con 4/5	Kanata ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Colonnade Development Incorporated		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	

CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Kanata Research Park Corporation	Ottawa ON
CA	Suncor Energy Products Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	D.I.R. Investments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Colonnade Development Incorporated	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON
CA	Minto Developments Inc.	Ottawa ON



CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA		Terry Fox Drive	Kanata ON
CA	Briaridge Sewage Pumping Station	Lot 9, Concession 4	Ottawa ON
CA		Kanata Research Park	Kanata ON
CA		Kanata Research Park	Kanata ON
CA		Kanata Research Park	Kanata ON
CA		Kanata Research Park	Kanata ON
CA	Terry Fox Drive Stormwater Management Facility at Realigned Richardson Side Road	Terry Fox Drive	Ottawa ON
CA	Kanata Research Park	Solandt Road	Ottawa ON
CA	CANADIAN TIRE REAL ESTATE LTD., GILPAUL	TERRY FOX DR.,GAS BAR SWM FAC.	KANATA CITY ON
CA	MOSAID TECHNOLOGIES INCORPORATED	PT.LOT 8/CON.3,HINES RD., SWM	KANATA CITY ON
CA	COLONNADE DEVELOPMENT INC.	SOLANDT RD., PT.8, BLK. 20,SWM	KANATA CITY ON
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON
CA	KANATA RESEARCH PARK CORP.	TERRY FOX DR.,CROSS KEY, SWM	KANATA CITY ON
CA	KANATA RESEARCH PARK CORP.	PT.LOTS 8&9/C-4, HELMSDALE,SWM	KANATA ON
CA	KANATA RESEARCH PARK CORP.	PT.LOT 9/CON.4,NEWBRIDGE (SWM)	KANATA CITY ON
CA	COLONNADE DEVELOPMENT INC.	SOLANDT ROAD EXTENSION	KANATA CITY ON
CA	KANATA RESEARCH PARK CORPORATION	TERRY FOX DR. KANATA N. BUS. P	KANATA CITY ON
CA	954198 ONTARIO INC.	ST. #1/MCKINLEY DR.,PLAN 4M755	KANATA CITY ON
CA	GARFORD LTD. AND NOTLAW LTD.-TERRY FOX D	M.T.O. ACCES RD/TERRY FOX DR.	KANATA CITY ON

CA	WILLIAM S. BURNSIDE CANADA LTD.	HINES RD.	KANATA CITY ON	
CA	TAYLOR DEVELOPMENTS	SHOPPING CEN., TERRY FOX DRIVE	KANATA CITY ON	
CA	KANATA CITY	LEGGET DRIVE	KANATA CITY ON	
CA	KANATA CITY VALLEY-VU REALTY	FUTURE TERRY FOX DR.	KANATA CITY ON	
CA	954198 ONTARIO INC.	MCKINLEY DR.N./PLAN 4M-755	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA LTD.-PT.LOT 9	HINES RD./ON-SITE S-WAT. MGT.	KANATA CITY ON	
CA	KANATA CITY - TERRY FOX DR.	TERRY FOX DR/M.T.O.ACCESS RD.	KANATA CITY ON	
CA	KANATA RESEARCH PARK CORP./CROSS KEYS	STORMWATER MANAGEMENT FACILITY	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA LTD.	STORMW. DET. FAC. HINES RD.	KANATA CITY ON	
CA	KANATA CITY - EAST MARCH TRUNK SEWERS	PROP.EASMT.-LEGGET DRIVE	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA	HINES RD.	KANATA CITY ON	
CA	KANATA CITY VALLEY-VU REALTY FORCEMAIN	FUTURE TERRY FOX DR. P.S.	KANATA CITY ON	
CA	KANATA CITY	TERRY FOX DRIVE	KANATA CITY ON	
CA	KANATA CITY KANATA N. BUSINESS PARK	TERRY FOX DRIVE	KANATA CITY ON	
CONV	SHELL CANADA PRODUCTS LIMITED		DON MILLS ON	
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	Shell Canada Limited	Nepean	Ottawa ON	M2N 6Y2
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	City of Ottawa	Terry Fox Dr	Ottawa ON	K1P 1J1
LIMO	Nepean Concession 3 Dump	Ottawa	ON	
LIMO	Cumberland Landfill Fernand Leduc City of Ottawa	Lot 9, Concession 3 Ottawa	ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lots 8,9,10,11,12, Concession 3 Ottawa, Ontario CITY OF OTTAWA Nepean	ON	

PTTW	Kanata Research Park Corporation	Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA	ON
PTTW	Burnside Sand & Gravel Limited	Lots 6 7 and 8, Concession 4, City of Ottawa CITY OF OTTAWA	ON
SPL	PUC	TERRY FOX DR PAD TRANSFORMER BY NEWBRIDGE COMM. LTD.	KANATA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	SERVICE STATION	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	Nortel Networks<UNOFFICIAL>	Nortel Networks<UNOFFICIAL>	Ottawa ON
SPL	Van's Industrial & Specialty Coatings<UNOFFICIAL>	Terry Fox Drive, Nepean	Ottawa ON
SPL	City of Ottawa	LEGGET AND MARCH RD, KANATA<UNOFFICIAL>	Ottawa ON
SPL	Shell Canada Products Limited	Shell Canada	Ottawa ON
SPL	OTTAWA-CARLETON, REG. MUN.	LEGGETT DRIVE, MARCH ROAD PUMP STATION, UNDERGROUND FUEL TANK. KANATA SITE-MARCH ROAD PUMP STATION LEGGETT DRIVE	KANATA CITY ON
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON
WWIS		lot 8	ON

# Unplottable Report

---

**Site:** Lot 8/11 Con 4/5 Kanata ON

**Database:**  
AAGR

**Type:**  
**Region/County:** Ottawa-Carleton  
**Township:** Kanata  
**Concession:** 4/5  
**Lot:** 8/11  
**Size (ha):**  
**Landuse:**  
**Comments:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1530-6QQL2J  
**Application Year:** 2006  
**Issue Date:** 7/14/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 8733-8J9RH6  
**Application Year:** 2011  
**Issue Date:** 7/28/2011  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 9152-65XHVP  
**Application Year:** 2004  
**Issue Date:** 10/21/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**

**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Colonnade Development Incorporated  
Ottawa ON

**Database:**  
CA

**Certificate #:** 8748-7DGQCH  
**Application Year:** 2008  
**Issue Date:** 4/25/2008  
**Approval Type:** Industrial Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 8418-76APWL  
**Application Year:** 2007  
**Issue Date:** 8/22/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 8133-65GMW9  
**Application Year:** 2004  
**Issue Date:** 10/6/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7996-5Q7RGN  
**Application Year:** 2003  
**Issue Date:** 8/12/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 7788-6XDSAP  
**Application Year:** 2007  
**Issue Date:** 1/19/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 7677-7DPNN3  
**Application Year:** 2008  
**Issue Date:** 5/1/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 7355-6M4TMP  
**Application Year:** 2006  
**Issue Date:** 2/20/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7163-5SYQ3M  
**Application Year:** 2003  
**Issue Date:** 11/14/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7043-6P2REB  
**Application Year:** 2006  
**Issue Date:** 4/20/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 6733-5NSKZ9  
**Application Year:** 2003  
**Issue Date:** 6/23/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 6380-6JGQ7B  
**Application Year:** 2005  
**Issue Date:** 12/29/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**

**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 6002-7DAKG9  
**Application Year:** 2008  
**Issue Date:** 4/2/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 5963-766KNS  
**Application Year:** 2007  
**Issue Date:** 8/21/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 5840-6NRNJD  
**Application Year:** 2006  
**Issue Date:** 5/4/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 5109-66JPRR



**Application Year:** 2004  
**Issue Date:** 11/9/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** *Minto Developments Inc.*  
Ottawa ON

**Database:**  
CA

**Certificate #:** 4309-6VTJMR  
**Application Year:** 2006  
**Issue Date:** 12/1/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** *Minto Developments Inc.*  
Ottawa ON

**Database:**  
CA

**Certificate #:** 4208-6J7J5T  
**Application Year:** 2005  
**Issue Date:** 11/17/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3934-5QBL78  
**Application Year:** 2003  
**Issue Date:** 9/18/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3403-5MAJ6D  
**Application Year:** 2003  
**Issue Date:** 5/9/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3360-7H3RCS  
**Application Year:** 2008  
**Issue Date:** 8/8/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3324-5PXLMV  
**Application Year:** 2003  
**Issue Date:** 7/31/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2814-68ZN2P  
**Application Year:** 2005  
**Issue Date:** 2/2/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**

**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2803-6XKQB2  
**Application Year:** 2007  
**Issue Date:** 1/25/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Kanata Research Park Corporation*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2794-5F6N36  
**Application Year:** 2002  
**Issue Date:** 10/22/2002  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Suncor Energy Products Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2751-78XLN5  
**Application Year:** 2007  
**Issue Date:** 11/19/2007  
**Approval Type:** Industrial Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2539-66USUQ  
**Application Year:** 2004

**Issue Date:** 11/25/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2530-6JULSK  
**Application Year:** 2005  
**Issue Date:** 12/16/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** D.I.R. Investments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2390-6NBQN4  
**Application Year:** 2006  
**Issue Date:** 4/3/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2206-5J5J5M  
**Application Year:** 2003  
**Issue Date:** 1/27/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1930-5HZMDY  
**Application Year:** 2003  
**Issue Date:** 1/21/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1814-73VJMC  
**Application Year:** 2007  
**Issue Date:** 6/7/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1688-5ZCP3J  
**Application Year:** 2004  
**Issue Date:** 5/28/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1462-76TNSQ  
**Application Year:** 2007  
**Issue Date:** 9/11/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**

**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Colonnade Development Incorporated**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1314-7Z8TPU  
**Application Year:** 2010  
**Issue Date:** 1/4/2010  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1305-5PNSMF  
**Application Year:** 2003  
**Issue Date:** 7/22/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1297-6SPJ46  
**Application Year:** 2006  
**Issue Date:** 8/17/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1168-67AKKL  
**Application Year:** 2004  
**Issue Date:** 12/7/2004

**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 1002-6GQJNY  
**Application Year:** 2005  
**Issue Date:** 10/3/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 0681-67QTZP  
**Application Year:** 2005  
**Issue Date:** 1/11/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 0523-7EVPTJ  
**Application Year:** 2008  
**Issue Date:** 8/21/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Terry Fox Drive Kanata ON **Database:** CA

**Certificate #:** 0854-4BJN5  
**Application Year:** 00  
**Issue Date:** 4/13/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the Regional Municipality of Ottawa-Carleton  
**Client Address:** 111 Lisgar Street  
**Client City:** Ottawa  
**Client Postal Code:** K2P 2L7  
**Project Description:** Extension of the watermain on Terry Fox Drive from Winchester Drive south to Michael Cowpland Drive, with a 400 mm diameter watermain.  
**Contaminants:**  
**Emission Control:**

---

**Site:** Briarridge Sewage Pumping Station Lot 9, Concession 4 Ottawa ON **Database:** CA

**Certificate #:** 1586-4WKNNQ  
**Application Year:** 01  
**Issue Date:** 5/18/01  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Tenth Line Development Inc.  
**Client Address:** 210 Gladstone Avenue, Suite 2001  
**Client City:** Ottawa  
**Client Postal Code:** K2P 0Y6  
**Project Description:** This application is for a Certificate of Approval for a diesel generator.  
**Contaminants:**  
**Emission Control:**

---

**Site:** Kanata Research Park Kanata ON **Database:** CA

**Certificate #:** 5816-5ALKNH  
**Application Year:** 02  
**Issue Date:** 5/30/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Amended CofA  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive, Suite 206  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Increase Storage Volumes for Stormwater Management Pond No. 3.  
**Contaminants:**  
**Emission Control:**

---

**Site:** Kanata Research Park Kanata ON **Database:** CA

**Certificate #:** 8125-4MTJ36  
**Application Year:** 02  
**Issue Date:** 5/30/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Revoked and/or Replaced  
**Application Type:** New Certificate of Approval  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive  
**Client City:** Kanata

---



**Client Postal Code:** K2K 2X3  
**Project Description:** Construction of 3 (three) permanent stormwater management facilities to provide quality and quantity control.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Kanata Research Park Kanata ON* **Database:** *CA*

**Certificate #:** 8125-4MTJ36  
**Application Year:** 01  
**Issue Date:** 2/6/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Notice  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Amendment requested by Technical Support Staff.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Kanata Research Park Kanata ON* **Database:** *CA*

**Certificate #:** 8125- 4MTJ36  
**Application Year:** 01  
**Issue Date:** 3/29/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Notice  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive, Suite 206  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Design change of stormwater management pond 2 to allow encroachment of proposed Stealth Development and to provide for a second forebay  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Terry Fox Drive Stormwater Management Facility at Realigned Richardson Side Road  
Terry Fox Drive Ottawa ON* **Database:** *CA*

**Certificate #:** 1044-5E9JWT  
**Application Year:** 02  
**Issue Date:** 9/27/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** City of Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** SWM Facility, quality and quantity control with inlet and outlet sewers  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Kanata Research Park  
Solandt Road Ottawa ON* **Database:** *CA*

**Certificate #:** 3498-4YZLAG  
**Application Year:** 01

---

**Issue Date:** 7/27/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** This application is for the construction of storm sewers on Soland Road from March Road to Legget Drive, in the City of Ottawa.  
**Contaminants:**  
**Emission Control:**

---

**Site:** CANADIAN TIRE REAL ESTATE LTD., GILPAUL  
TERRY FOX DR., GAS BAR SWM FAC. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0329-99-  
**Application Year:** 99  
**Issue Date:** 7/26/1999  
**Approval Type:** Municipal sewage  
**Status:** Cancelled  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MOSAID TECHNOLOGIES INCORPORATED  
PT.LOT 8/CON.3,HINES RD., SWM KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0773-97-  
**Application Year:** 97  
**Issue Date:** 8/13/1997  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** COLONNADE DEVELOPMENT INC.  
SOLANDT RD., PT.8, BLK. 20,SWM KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0514-97-  
**Application Year:** 97  
**Issue Date:** 7/2/1997  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** R.M. OF OTTAWA-CARLETON  
MARCH ROAD RECON., SWM FAC. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0372-96-  
**Application Year:** 96  
**Issue Date:** 6/20/1996  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA RESEARCH PARK CORP.  
TERRY FOX DR.,CROSS KEY, SWM KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0087-96-  
**Application Year:** 96  
**Issue Date:** 4/1/1996  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA RESEARCH PARK CORP.  
PT.LOTS 8&9/C-4, HELMSDALE,SWM KANATA ON

**Database:**  
CA

**Certificate #:** 3-1056-98-  
**Application Year:** 98  
**Issue Date:** 9/18/1998  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA RESEARCH PARK CORP.  
PT.LOT 9/CON.4,NEWBRIDGE (SWM) KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0095-94-  
**Application Year:** 94  
**Issue Date:** 3/15/1994  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**

**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** COLONNADE DEVELOPMENT INC.  
SOLANDT ROAD EXTENSION KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1191-95-  
**Application Year:** 95  
**Issue Date:** 8/29/1995  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA RESEARCH PARK CORPORATION  
TERRY FOX DR. KANATA N. BUS. P KANATA CITY ON

**Database:**  
CA

**Certificate #:** 7-0653-87-  
**Application Year:** 87  
**Issue Date:** 6/9/1987  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** 954198 ONTARIO INC.  
ST. #1/MCKINLEY DR.,PLAN 4M755 KANATA CITY ON

**Database:**  
CA

**Certificate #:** 7-0520-93-  
**Application Year:** 93  
**Issue Date:** 6/24/1993  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** GARFORD LTD. AND NOTLAW LTD.-TERRY FOX D  
M.T.O. ACCES RD/TERRY FOX DR. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 7-0939-91-  
**Application Year:** 91

**Issue Date:** 8/2/1991  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **WILLIAM S. BURNSIDE CANADA LTD.**  
**HINES RD. KANATA CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1597-89-  
**Application Year:** 89  
**Issue Date:** 10/3/1989  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **TAYLOR DEVELOPMENTS**  
**SHOPPING CEN., TERRY FOX DRIVE KANATA CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1321-88-  
**Application Year:** 88  
**Issue Date:** 8/19/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **KANATA CITY**  
**LEGGET DRIVE KANATA CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1141-88-  
**Application Year:** 88  
**Issue Date:** 7/28/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA CITY VALLEY-VU REALTY  
FUTURE TERRY FOX DR. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 7-1420-86-  
**Application Year:** 86  
**Issue Date:** 12/17/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** 954198 ONTARIO INC.  
MCKINLEY DR.N./PLAN 4M-755 KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0665-93-  
**Application Year:** 93  
**Issue Date:** 6/24/1993  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** WILLIAM S. BURNSIDE CANADA LTD.-PT.LOT 9  
HINES RD./ON-SITE S-WAT. MGT. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1024-92-  
**Application Year:** 92  
**Issue Date:** 9/18/1992  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA CITY - TERRY FOX DR.  
TERRY FOX DR/M.T.O.ACCESS RD. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1175-91-  
**Application Year:** 91  
**Issue Date:** 8/2/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**

**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA RESEARCH PARK CORP./CROSS KEYS  
STORMWATER MANAGEMENT FACILITY KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0160-90-  
**Application Year:** 90  
**Issue Date:** 1/22/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved in 1991  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** WILLIAM S. BURNSIDE CANADA LTD.  
STORMW. DET. FAC. HINES RD. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1831-89-  
**Application Year:** 89  
**Issue Date:** 1/21/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved in 1991  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA CITY - EAST MARCH TRUNK SEWERS  
PROP.EASMT.-LEGGET DRIVE KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-2442-89-  
**Application Year:** 89  
**Issue Date:** 12/18/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** WILLIAM S. BURNSIDE CANADA  
HINES RD. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1921-89-  
**Application Year:** 89  
**Issue Date:** 10/3/1989

**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA CITY VALLEY-VU REALTY FORCEMAIN  
FUTURE TERRY FOX DR. P.S. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1793-86-  
**Application Year:** 86  
**Issue Date:** 12/17/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA CITY  
TERRY FOX DRIVE KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1806-87-  
**Application Year:** 87  
**Issue Date:** 10/5/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KANATA CITY KANATA N. BUSINESS PARK  
TERRY FOX DRIVE KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0786-87-  
**Application Year:** 87  
**Issue Date:** 6/9/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**



**Site:** SHELL CANADA PRODUCTS LIMITED  
DON MILLS ON

**Database:**  
CONV

**File No:**  
**Crown Brief No:**  
**Court Location:**  
**Publication City:**  
**Publication Title:**  
**Act:**  
**Act(s):**  
**First Matter:**  
**Second Matter:**  
**Investigation 1:**  
**Investigation 2:**  
**Penalty Imposed:**  
**Description:** DISCHARGING A CONTAMINANT - ADVERSE EFFECT  
**Background:**  
**URL:**

**Location:**  
**Region:** SOUTH EAST REGION  
**Ministry District:**

**Additional Details**

**Publication Date:**  
**Count:** 1  
**Act:** EPA  
**Regulation:**  
**Section:** 13(1)  
**Act/Regulation/Section:** EPA- -13(1)  
**Date of Offence:**  
**Date of Conviction:**  
**Date Charged:** 92/05/12  
**Charge Disposition:**  
**Fine:** 90000  
**Synopsis:**

**Site:** Minto Developments Inc.  
Ottawa ON K1R 7Y2

**Database:**  
ECA

**Approval No:** 7163-5SYQ3M  
**Approval Date:** 2003-11-14  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Minto Developments Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/2997-5SKKCW-14.pdf>  
**PDF Site Location:**

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

**Site:** Shell Canada Limited  
Nepean Ottawa ON M2N 6Y2

**Database:**  
ECA

**Approval No:** 1454-96LJDX  
**Approval Date:** 2013-04-19  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-INDUSTRIAL SEWAGE WORKS  
**Project Type:** INDUSTRIAL SEWAGE WORKS  
**Business Name:** Shell Canada Limited  
**Address:** Nepean  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6976-92AQLQ-14.pdf>

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

PDF Site Location:

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**Site:** Minto Developments Inc.  
Ottawa ON K1R 7Y2

**Database:**  
ECA

**Approval No:** 4490-5SYQAN  
**Approval Date:** 2003-11-14  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Business Name:** Minto Developments Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:**  
**PDF Site Location:**

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

---

**Site:** City of Ottawa  
Terry Fox Dr Ottawa ON K1P 1J1

**Database:**  
ECA

**Approval No:** 1044-5E9JWT  
**Approval Date:** 2002-09-27  
**Status:** Revoked and/or Replaced  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** City of Ottawa  
**Address:** Terry Fox Dr  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6019-59QSAT-14.pdf>  
**PDF Site Location:**

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

---

**Site:** Nepean Concession 3 Dump  
Ottawa ON

**Database:**  
LIMO

**ECA/Instrument No:** Y0163  
**Oper Status 2016:** Historic  
**C of A Issue Date:**  
**C of A Issued to:**  
**Lndfl Gas Mgmt (P):**  
**Lndfl Gas Mgmt (F):**  
**Lndfl Gas Mgmt (E):**  
**Lndfl Gas Mgmt Sys:**  
**Landfill Gas Mntr:**  
**Leachate Coll Sys:**  
**ERC Est Vol (m3):**  
**ERC Volume Unit:**  
**ERC Dt Last Det:**  
**Landfill Type:**  
**Source File Type:** Historic and Closed Landfills  
**Fill Rate:**  
**Fill Rate Unit:**  
**Tot Fill Area (ha):**  
**Tot Site Area (ha):**  
**Footprint:**  
**Tot Apprv Cap (m3):**  
**Contam Atten Zone:**  
**Grndwtr Mntr:**  
**Surf Wtr Mntr:**  
**Air Emis Monitor:**

**Natural Attenuation:**  
**Liners:**  
**Cover Material:**  
**Leachate Off-Site:**  
**Leachate On Site:**  
**Req Coll Lndfill Gas:**  
**Lndfl Gas Coll:**  
**Total Waste Rec:**  
**TWR Methodology:**  
**TWR Unit:**  
**Tot Aprv Cap Unit:**  
**Financial Assurance:**  
**Last Report Year:**  
**MOE Region:**  
**MOE District:**  
**Site County:**  
**Lot:**  
**Concession:**  
**Latitude:**  
**Longitude:**  
**Easting:**  
**Northing:**  
**UTM Zone:**  
**Data Source:**

**Approved Waste Type:**  
**Client Site Name:** Nepean Concession 3 Dump  
**ERC Methodology:**  
**Site Name:**  
**Site Location Details:** Ottawa  
**Service Area:**  
**Page URL:**

---

**Site:** **Cumberland Landfill Fernand Leduc City of Ottawa**  
**Lot 9, Concession 3 Ottawa ON**

**Database:**  
**LIMO**

**ECA/Instrument No:** A461602  
**Oper Status 2016:** Closed

**C of A Issue Date:**

**C of A Issued to:**

**Lndfl Gas Mgmt (P):**

**Lndfl Gas Mgmt (F):**

**Lndfl Gas Mgmt (E):**

**Lndfl Gas Mgmt Sys:**

**Landfill Gas Mntr:**

**Leachate Coll Sys:**

**ERC Est Vol (m3):**

**ERC Volume Unit:**

**ERC Dt Last Det:**

**Landfill Type:**

**Source File Type:**

**Fill Rate:**

**Fill Rate Unit:**

**Tot Fill Area (ha):**

**Tot Site Area (ha):**

**Footprint:**

**Tot Apprv Cap (m3):**

**Contam Atten Zone:**

**Grndwtr Mntr:**

**Surf Wtr Mntr:**

**Air Emis Monitor:**

**Approved Waste Type:**

**Client Site Name:**

**ERC Methodology:**

**Site Name:** Cumberland Landfill  
Fernand Leduc  
City of Ottawa

**Site Location Details:**

**Service Area:**

**Page URL:**

**Natural Attenuation:**

**Liners:**

**Cover Material:**

**Leachate Off-Site:**

**Leachate On Site:**

**Req Coll Lndfl Gas:**

**Lndfl Gas Coll:**

**Total Waste Rec:**

**TWR Methodology:**

**TWR Unit:**

**Tot Aprv Cap Unit:**

**Financial Assurance:**

**Last Report Year:**

**MOE Region:**

**MOE District:**

**Site County:**

**Lot:**

**Concession:**

**Latitude:**

**Longitude:**

**Easting:**

**Northing:**

**UTM Zone:**

**Data Source:**

---

**Site:** **Mattamy (Half Moon Bay) Limited**  
**Lots 8,9,10,11,12, Concession 3 Ottawa, Ontario CITY OF OTTAWA Nepean ON**

**Database:**  
**PTTW**

**EBR Registry No:** 010-4784

**Ministry Ref No:** 6623-7JUKMA

**Notice Type:** Instrument Decision

**Notice Stage:**

**Notice Date:** April 29, 2009

**Proposal Date:** October 08, 2008

**Year:** 2008

**Instrument Type:** (OWRA s. 34) - Permit to Take Water

**Off Instrument Name:**

**Posted By:**

**Company Name:** Mattamy (Half Moon Bay) Limited

**Site Address:**

**Location Other:**

**Proponent Name:**

**Proponent Address:** 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9

**Comment Period:**

**URL:**

**Decision Posted:**

**Exception Posted:**

**Section:**

**Act 1:**

**Act 2:**

**Site Location Map:**

**Site Location Details:**

Lots 8,9,10,11,12, Concession 3 Ottawa, Ontario CITY OF OTTAWA Nepean

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**Site:** *Kanata Research Park Corporation*  
*Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA ON*

**Database:**  
*PTTW*

**EBR Registry No:** IA05E1015  
**Ministry Ref No:** ER-3083-67XPBX  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** November 02, 2005  
**Proposal Date:** June 29, 2005  
**Year:** 2005  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Kanata Research Park Corporation  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 555 Legget Drive, Kanata Ontario, K2K 2X3  
**Comment Period:**  
**URL:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

**Site Location Details:**

Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA

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**Site:** *Burnside Sand & Gravel Limited*  
*Lots 6 7 and 8, Concession 4, City of Ottawa CITY OF OTTAWA ON*

**Database:**  
*PTTW*

**EBR Registry No:** 011-7053  
**Ministry Ref No:** 7358-8XFPY5  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** September 04, 2012  
**Proposal Date:** August 27, 2012  
**Year:** 2012  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Burnside Sand & Gravel Limited  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** Burnside Sand & Gravel Limited, 5597 Power Road, Ottawa Ontario, Canada K1G 3N4  
**Comment Period:**  
**URL:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

**Site Location Details:**

Lots 6 7 and 8, Concession 4, City of Ottawa CITY OF OTTAWA

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**Site:** *PUC*  
*TERRY FOX DR PAD TRANSFORMER BY NEWBRIDGE COMM. LTD. KANATA CITY ON*

**Database:**  
*SPL*

**Ref No:** 4874  
**Site No:**  
**Incident Dt:** 6/7/1988  
**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**

**Year:**  
**Incident Cause:** COOLING SYSTEM LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 6/7/1988  
**Dt Document Closed:**  
**Incident Reason:** FIRE/EXPLOSION  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** KANATA HYDRO - 150 L MINERAL OIL (NO PCBS) TO GROUND.  
**Contaminant Qty:**

**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20103  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** SHELL CANADA PRODUCTS LTD.  
 TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
 SPL

**Ref No:** 8471  
**Site No:**  
**Incident Dt:** 8/22/1988  
**Year:**  
**Incident Cause:** ABOVE-GROUND TANK LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/22/1988  
**Dt Document Closed:**  
**Incident Reason:** ERROR  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** UPLANDS AIRPORT - 50 L OF JET FUEL TO PAVEMENT FROM TANK TRUCK.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** SHELL CANADA PRODUCTS LTD.  
 TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
 SPL

**Ref No:** 16382  
**Site No:**  
**Incident Dt:** 3/27/1989  
**Year:**  
**Incident Cause:** VALVE/FITTING LEAK OR FAILURE  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**

**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 3/27/1989  
**Dt Document Closed:**  
**Incident Reason:** EQUIPMENT FAILURE  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** UPLANDS AIRPORT - 20 L OF JET FUEL TO GROUND.  
**Contaminant Qty:**

**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

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**Site:** SHELL CANADA PRODUCTS LTD.  
TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 21872  
**Site No:**  
**Incident Dt:** 7/11/1989  
**Year:**  
**Incident Cause:** PIPE/HOSE LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/11/1989  
**Dt Document Closed:**  
**Incident Reason:** EQUIPMENT FAILURE  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL REFUELING VEHICLE- 70 L AVIATION FUEL TO GROUND.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

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**Site:** SHELL CANADA PRODUCTS LTD.  
TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 23253  
**Site No:**  
**Incident Dt:** //  
**Year:**  
**Incident Cause:** VALVE/FITTING LEAK OR FAILURE  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/7/1989  
**Dt Document Closed:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**

**Incident Reason:** EQUIPMENT FAILURE **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL- 4.5 LTR SPILL OF JET FUEL AT UPLANDS AIRPORT  
**Contaminant Qty:**

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**Site:** SHELL CANADA PRODUCTS LTD.  
TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 26231 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** 10/5/1989 **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** VALVE/FITTING LEAK OR FAILURE **Sector Type:**  
**Incident Event:** **Agency Involved:**  
**Contaminant Code:** **Nearest Watercourse:**  
**Contaminant Name:** **Site Address:**  
**Contaminant Limit 1:** **Site District Office:**  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:**  
**Environment Impact:** NOT ANTICIPATED **Site Municipality:** 20101  
**Nature of Impact:** **Site Lot:**  
**Receiving Medium:** LAND **Site Conc:**  
**Receiving Env:** **Northing:**  
**MOE Response:** **Easting:** DEPT OF TRANSPORT  
**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**  
**MOE Reported Dt:** 10/5/1989 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:**  
**Incident Reason:** EQUIPMENT FAILURE **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL CANADA - 120L JET FUEL TO TERMINAL RAMP  
**Contaminant Qty:**

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**Site:** SHELL CANADA PRODUCTS LTD.  
TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 30521 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** 2/2/1990 **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** VALVE/FITTING LEAK OR FAILURE **Sector Type:**  
**Incident Event:** **Agency Involved:**  
**Contaminant Code:** **Nearest Watercourse:**  
**Contaminant Name:** **Site Address:**  
**Contaminant Limit 1:** **Site District Office:**  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:**  
**Environment Impact:** **Site Municipality:** 20101  
**Nature of Impact:** **Site Lot:**  
**Receiving Medium:** LAND / AIR **Site Conc:**  
**Receiving Env:** **Northing:**  
**MOE Response:** **Easting:**  
**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**  
**MOE Reported Dt:** 2/2/1990 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:**  
**Incident Reason:** ERROR **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL TANK TRUCK-50 L AVIATION FUEL TO ASPHALT  
**Contaminant Qty:**

**Site:** SHELL CANADA PRODUCTS LTD.  
SERVICE STATION OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 60160  
**Site No:**  
**Incident Dt:** 11/24/1991  
**Year:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 11/25/1991  
**Dt Document Closed:**  
**Incident Reason:** CORROSION  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL SERVICE STATION - 25 L. OF GASOLINE TO GROUND FROM LEAKY CAR  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** SHELL, FIRE DEPT. TRIANGLE PUMP  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** SHELL CANADA PRODUCTS LTD.  
TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 81836  
**Site No:**  
**Incident Dt:** 2/14/1993  
**Year:**  
**Incident Cause:** PIPE/HOSE LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2/14/1993  
**Dt Document Closed:**  
**Incident Reason:** ERROR  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL-25L OF JET A-1 FUEL TO GROUND DURING FUELLING CONTAINED, CLEANED UP.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** SHELL CANADA PRODUCTS LTD.  
TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 81843  
**Site No:**  
**Incident Dt:** 2/14/1993  
**Year:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**



**Incident Cause:** VALVE/FITTING LEAK OR FAILURE  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2/14/1993  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL CANADA - 20 L OF AVIATION FUEL TO RAMP DUE TO TRUCK LEAK  
**Contaminant Qty:**

**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** SHELL CANADA PRODUCTS LTD.  
 TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
 SPL

**Ref No:** 84404  
**Site No:**  
**Incident Dt:** 4/21/1993  
**Year:**  
**Incident Cause:** VALVE/FITTING LEAK OR FAILURE  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/22/1993  
**Dt Document Closed:**  
**Incident Reason:** ERROR  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** SHELL CANADA - 40 L OF AVIATION FUEL AT GATE A DUE TO TRUCK LEAK  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** Nortel Networks<UNOFFICIAL>  
 Nortel Networks<UNOFFICIAL> Ottawa ON

**Database:**  
 SPL

**Ref No:** 4030-6GTJE2  
**Site No:**  
**Incident Dt:** 9/28/2005  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** HALON (CFC)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated

**Discharger Report:** 0  
**Material Group:** Gases/Particulate  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa

**Nature of Impact:**  
**Receiving Medium:** Air  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/3/2005  
**Dt Document Closed:**

**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spills at Federal Facilities & Spills of National Interest

**Incident Reason:**  
**Site Name:** Nortel Networks<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Spill to Air  
**Contaminant Qty:**

**Source Type:**

**Site:** **Van's Industrial & Specialty Coatings<UNOFFICIAL>**  
**Terry Fox Drive, Nepean Ottawa ON**
**Database:**  
**SPL**

**Ref No:** 2438-6GNMTJ  
**Site No:**  
**Incident Dt:** 9/28/2005  
**Year:**  
**Incident Cause:** Other Transport Accident  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** DIESEL FUEL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:**  
**Receiving Medium:** Land & Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/28/2005  
**Dt Document Closed:**  
**Incident Reason:** Adverse Road Condition - Road faults  
**Site Name:** East side of Terry Fox Drive, between March Road and Legget Drive<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Van's Cleaning, 40 L diesel to road, ditch, sewer  
**Contaminant Qty:**

**Discharger Report:** 0  
**Material Group:** Oil  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Motor Vehicle  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spills to Watercourses  
**Source Type:**

**Site:** **City of Ottawa**  
**LEGGET AND MARCH RD, KANATA<UNOFFICIAL> Ottawa ON**
**Database:**  
**SPL**

**Ref No:** 0123-64NQX5  
**Site No:**  
**Incident Dt:** 9/9/2004  
**Year:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Event:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,RAW UNCHLORINATED  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/9/2004  
**Dt Document Closed:**

**Discharger Report:**  
**Material Group:** Waste  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:** Eastern  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spill to Inland Watercourses

**Incident Reason:** Equipment Failure **Source Type:**  
**Site Name:** LEGGET AND MARCH RD, KANATA<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Legget & March Rd SPS,raw,unchlorin,equip failure  
**Contaminant Qty:**

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**Site:** Shell Canada Products Limited  
Shell Canada Ottawa ON

**Database:**  
SPL

**Ref No:** 6267-5M2K7H **Discharger Report:**  
**Site No:** **Material Group:** Oil  
**Incident Dt:** 4/28/2003 **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** **Sector Type:**  
**Incident Event:** **Agency Involved:**  
**Contaminant Code:** 12 **Nearest Watercourse:**  
**Contaminant Name:** GASOLINE **Site Address:**  
**Contaminant Limit 1:** **Site District Office:** Ottawa  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:** Eastern  
**Environment Impact:** Possible **Site Municipality:** Ottawa  
**Nature of Impact:** Other Impact(s)  
**Receiving Medium:** Land **Site Lot:**  
**Receiving Env:** **Site Conc:**  
**MOE Response:** **Northing:**  
**Dt MOE Arvl on Scn:** **Easting:**  
**MOE Reported Dt:** 4/28/2003 **Site Geo Ref Accu:**  
**Dt Document Closed:** **Site Map Datum:**  
**Incident Reason:** **SAC Action Class:** Spills  
**Site Name:** LOADING RACK 1<UNOFFICIAL> **Source Type:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Shell - 1L gasoline  
**Contaminant Qty:** 1 L

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**Site:** OTTAWA-CARLETON, REG. MUN.  
LEGGETT DRIVE, MARCH ROAD PUMP STATION, UNDERGROUND FUEL TANK. KANATA SITE-MARCH ROAD  
PUMP STATION LEGGETT DRIVE KANATA CITY ON

**Database:**  
SPL

**Ref No:** 134351 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** // **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** CONTAINER OVERFLOW **Sector Type:**  
**Incident Event:** **Agency Involved:**  
**Contaminant Code:** **Nearest Watercourse:**  
**Contaminant Name:** **Site Address:**  
**Contaminant Limit 1:** **Site District Office:**  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:**  
**Environment Impact:** POSSIBLE **Site Municipality:** 20103  
**Nature of Impact:** Soil contamination **Site Lot:**  
**Receiving Medium:** LAND **Site Conc:**  
**Receiving Env:** **Northing:**  
**MOE Response:** **Easting:**  
**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**  
**MOE Reported Dt:** 11/18/1996 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:**  
**Incident Reason:** EQUIPMENT FAILURE **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** REG. MUN. OTTAWA-CARLETONL.U.S.T. FUEL LEAKING OUTTOP OF THE TANK.  
**Contaminant Qty:**

**Site:** ONTARIO HYDRO  
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

**Database:**  
SPL

**Ref No:** 128700  
**Site No:**  
**Incident Dt:** 6/26/1996  
**Year:**  
**Incident Cause:** COOLING SYSTEM LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** CONFIRMED  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/3/1996  
**Dt Document Closed:**  
**Incident Reason:** OTHER  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20103  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** EPS  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** lot 8 ON

**Database:**  
WWIS

**Well ID:** 1500396  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 2/26/1948  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1107  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** OTTAWA CITY (GLOUCESTER)  
**Site Info:**  
**Lot:** 008  
**Concession:**  
**Concession Name:** JG  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10022441  
**DP2BR:** 28.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 29-Oct-1947 00:00:00  
**Remarks:**  
**Elevrc Desc:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930989161  
**Layer:** 1  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 28.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930989162  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 26  
**Most Common Material:** ROCK  
**Mat2:** 19  
**Mat2 Desc:** SLATE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 28.0  
**Formation End Depth:** 51.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961500396  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10571011  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930037815  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 28  
**Casing Diameter:** 4  
**Casing Diameter UOM:** inch

**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930037816  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 51  
**Casing Diameter:** 4  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991500396  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 6.0  
**Recommended Pump Depth:**  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 0  
**Pumping Duration MIN:** 30  
**Flowing:** No

**Water Details**

**Water ID:** 933452913  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 51.0  
**Water Found Depth UOM:** ft

## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

### **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

**Government Publication Date: Up to Sep 2020**

### **Abandoned Mine Information System:**

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Oct 2018**

### **Anderson's Waste Disposal Sites:**

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Sep 30, 2021**

### **Borehole:**

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2019**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Chemical Manufacturers and Distributors:**

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

**Government Publication Date: 1999-Sep 30, 2021**

**Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 2012 -Nov 2021**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-Jul 2021**

**Certificates of Property Use:**

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994 - Dec 31, 2021**



**Drill Hole Database:**

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886 - Sep 2020**

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: May 31, 2021**

**Environmental Activity and Sector Registry:**

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011- Nov 30, 2021**

**Environmental Registry:**

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994 - Dec 31, 2021**

**Environmental Compliance Approval:**

Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011- Nov 30, 2021**

**Environmental Effects Monitoring:**

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Nov 30, 2021**

**Environmental Issues Inventory System:**

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Dec 31, 2016**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2020**

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2020**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

**Government Publication Date: Jun 2000-Nov 2021**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

**Government Publication Date: May 31, 2018**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Fuel Storage Tank - Historic:**

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

**Government Publication Date: 1986-Nov 30, 2021**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2019**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Feb 28, 2019**

**Canadian Mine Locations:**

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial [MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Dec 2020**

**National Analysis of Trends in Emergencies System (NATES):**

Federal [NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial [NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Government Publication Date: Dec 31, 2019**

**National Defense & Canadian Forces Fuel Tanks:**

Federal [NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal [NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Apr 2018**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal [NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal [NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Jun 30, 2021**

**National Energy Board Wells:**

Federal [NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Government Publication Date: 1988-Nov 30, 2021**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Jan 2021**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**

**Orders:**

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994 - Dec 31, 2021**

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

**Government Publication Date: Oct 2011- Nov 30, 2021**

**Pipeline Incidents:**

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994 - Dec 31, 2021**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-1990, 1992-2019**

**Record of Site Condition:**

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2021**

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-Sep 30, 2021**

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date: 1988-Sep 2020**



**Wastewater Discharger Registration Database:**

Provincial

[SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

**Government Publication Date: 1990-Dec 31, 2018**

**Anderson's Storage Tanks:**

Private

[TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal

[TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

**Government Publication Date: 1970 - Dec 2020**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial

[VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011- Nov 30, 2021**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Apr 30, 2021**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



# **Appendix G**

**Aerial Photographs**



---

# HISTORICAL AERIALS

**Project Property:** 600 March Road, Ottawa, Ontario  
600 March Road  
Kanata ON K2K 2T6

**Project No:** 12566614

**Requested By:** GHD Limited

**Order No:** 22010600440

**Date Completed:** January 13, 2022

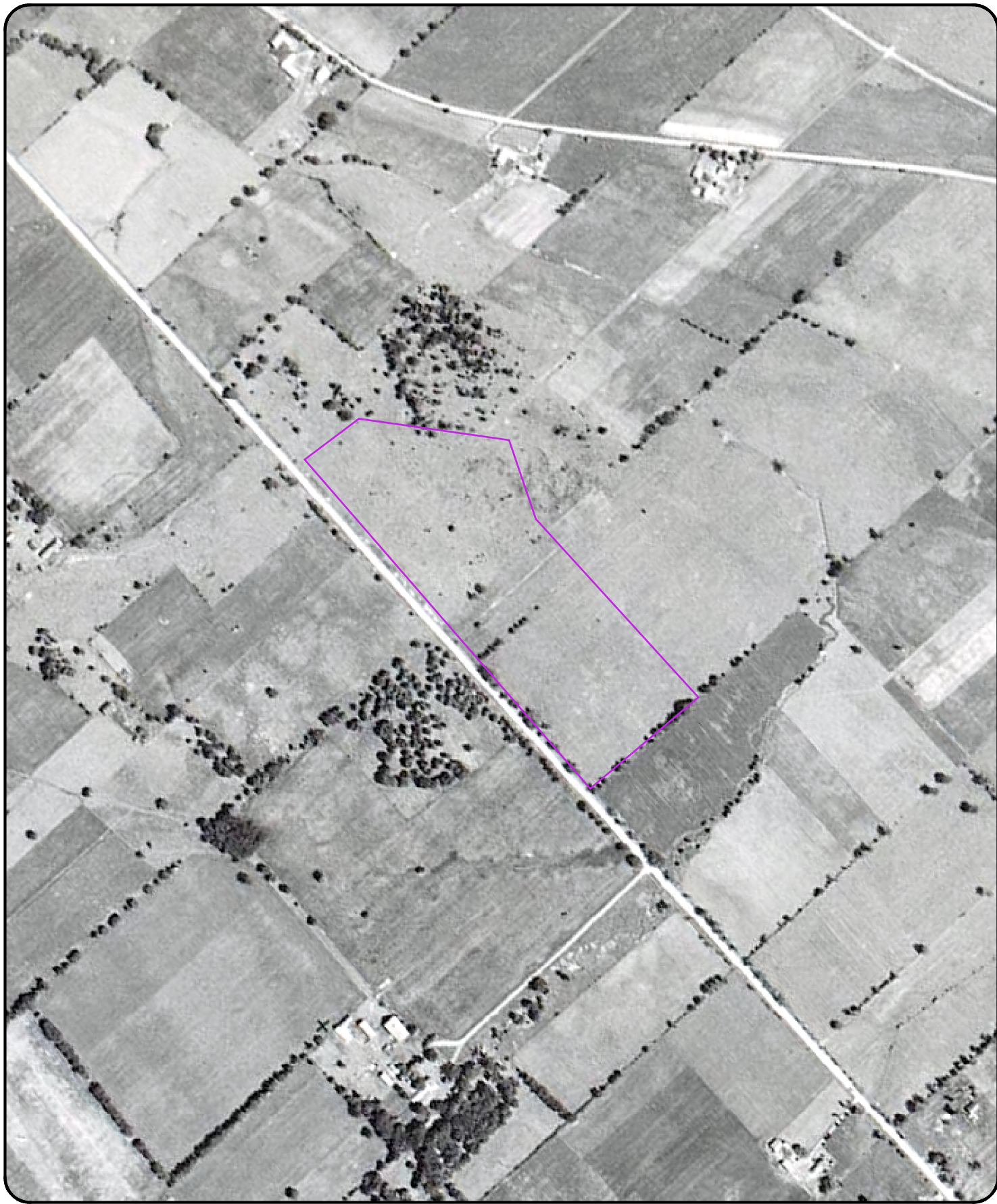
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1930	1934	15000	NAPL
1940	1945	15000	NAPL
1950	1952	15000	NAPL
1960	1960	25000	NAPL
1970	1976	10000	City of Ottawa
1980	1985	15000	NAPL

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using aerial photos listed in above sources. The maps contained in this report does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



0 0.125 0.25 0.5  
Kilometers

Order Number: 22010600440

Year: 1934  
Source: NAPL  
Map Scale: 1: 10000  
Comments:







0 0.125 0.25 0.5  
Kilometers

Order Number: 22010600440

Year: 1945  
Source: NAPL  
Map Scale: 1: 10000  
Comments:







0 0.125 0.25 0.5  
Kilometers

Order Number: 22010600440

Year: 1952  
Source: NAPL  
Map Scale: 1: 10000  
Comments:





0 0.125 0.25 0.5  
Kilometers

Order Number: 22010600440

Year: 1960  
Source: NAPL  
Map Scale: 1: 10000  
Comments: Best Copy Available







0 0.125 0.25 0.5  
Kilometers

Order Number: 22010600440

Year: 1976  
Source: City of Ottawa  
Map Scale: 1: 10000  
Comments:





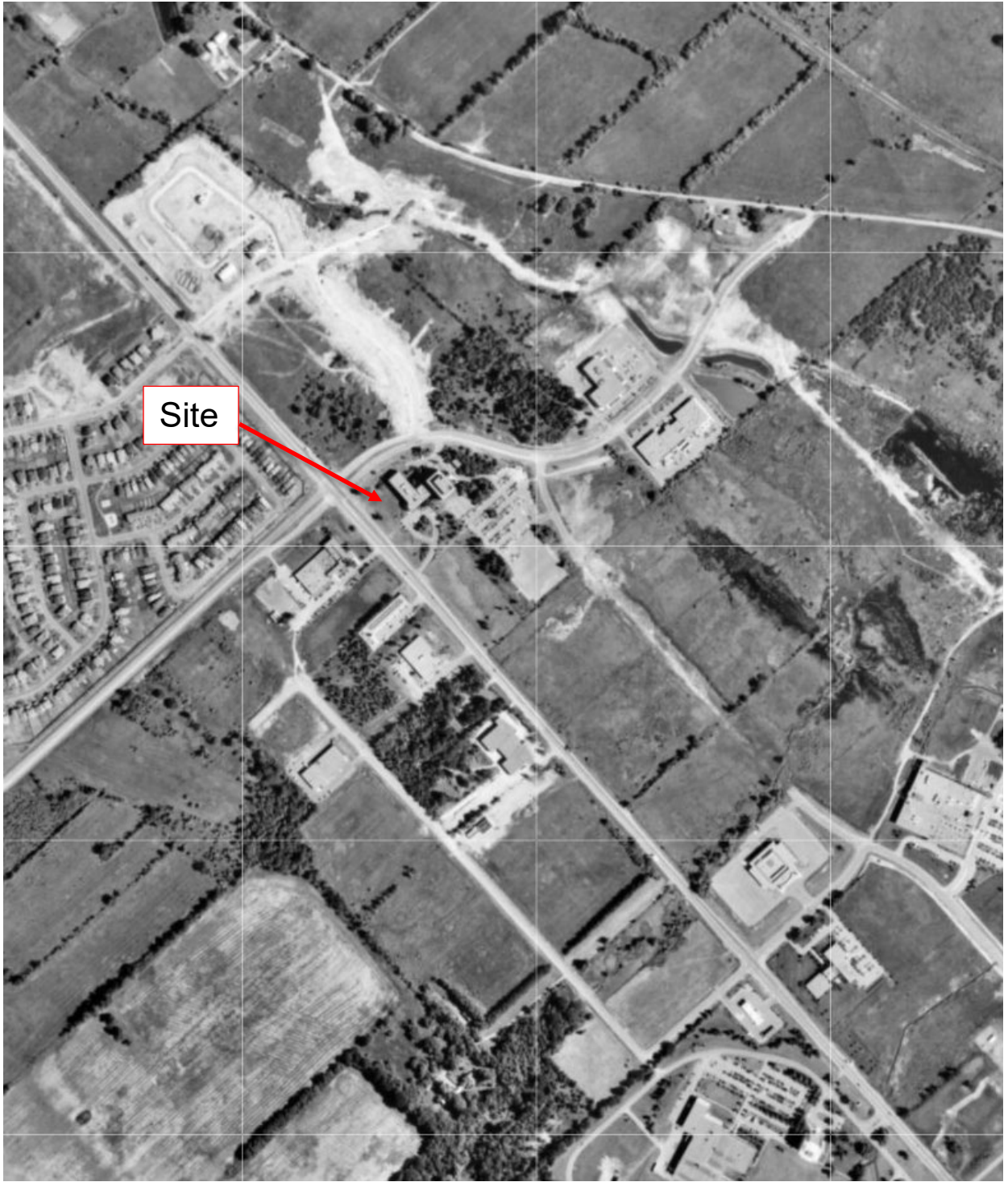


0 0.125 0.25 0.5  
Kilometers

Order Number: 22010600440

Year: 1985  
Source: NAPL  
Map Scale: 1: 10000  
Comments:





Year 1991



## Aerial Photograph

Phase One ESA | 600 March Road

GHD | 12566614 (1) | Page 1





Year 1999

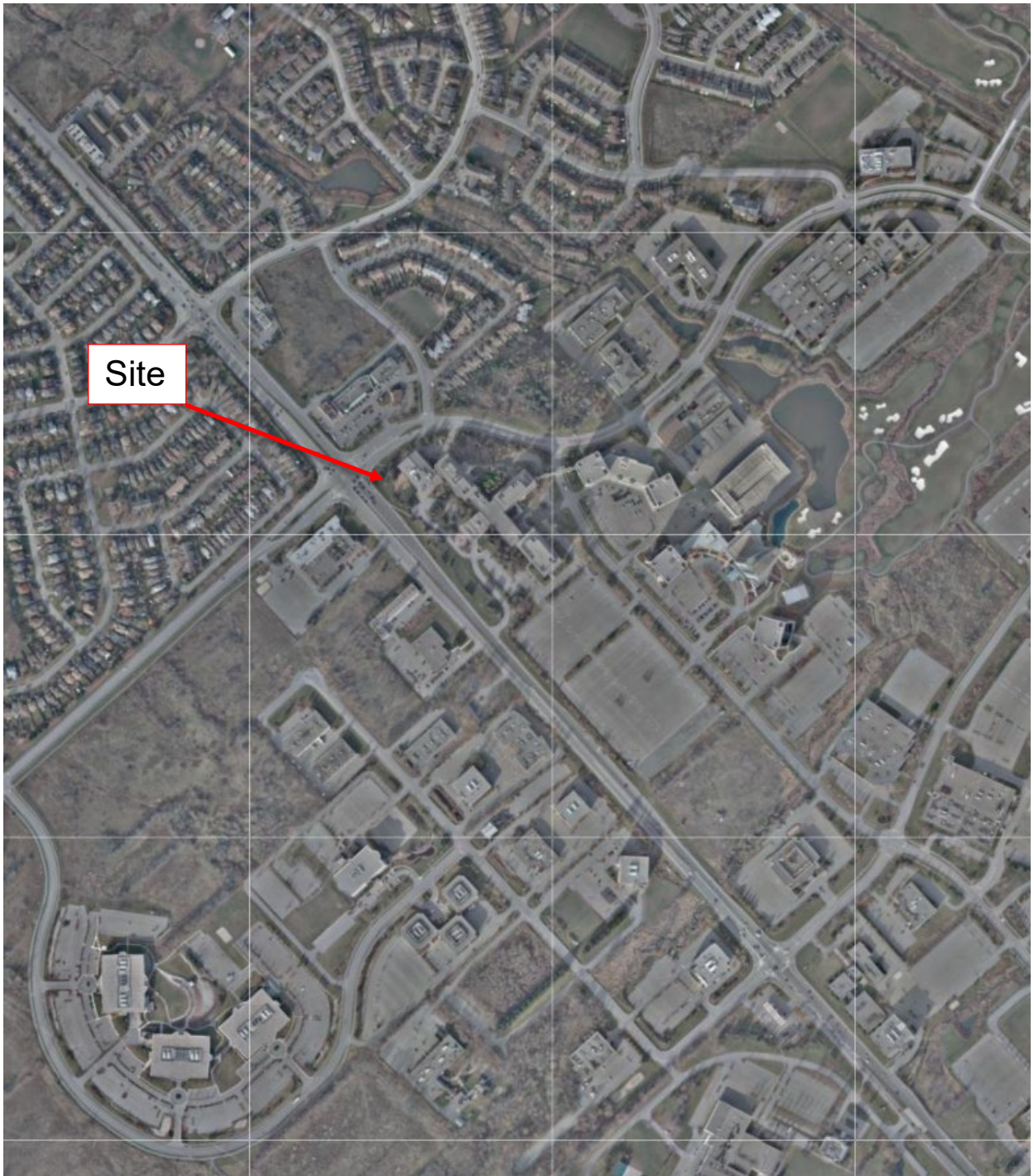


## Aerial Photograph

Phase One ESA | 600 March Road

GHD | 12566614 (1) | Page 2





Year 2009



## Aerial Photograph

Phase One ESA | 600 March Road

GHD | 12566614 (1) | Page 3





Year 2019



## Aerial Photograph

Phase One ESA | 600 March Road

GHD | 12566614 (1) | Page 4

# **Appendix H**

**Site Photographs**



# Site Photographs



**Photo 1** View of Site Buildings (Corporate Tower and Tower 1), facing north.



**Photo 2** View of Site Buildings (Left to Right: Tower 1, Main Lobby, Tower 2, Link 2, Tower 3), facing northeast.





**Photo 3** View of Site Building (Link 2 and Tower 3), facing east.



**Photo 4** View of Site Building (Tower 1), facing west.





**Photo 5** *View of Site Building (Tower 2) with ramp to below ground parking, facing east.*



**Photo 6** *View of Site Building on northeast portion of Property, with Hydro Vault (left portion of building) and Diesel Generator and Tank (AST; right portion of building) on the interior, facing north.*





**Photo 7** View of Diesel Generator building (left; decommissioned flat tank below generator) and diesel tank on exterior (right), facing east.



**Photo 8** View of Site Building (Link 2 on right, Tower 3 on left) with loading dock ramp, facing south.





**Photo 9** *View of Site parking lot, facing south. Legget Drive on left, Sanmina Corporation beyond parking lot (adjacent manufacturing), and Terry Fox on right.*



**Photo 10** *View of surrounding properties (beyond Legget Drive) to the east, facing east.*



**Photo 11** *View of Legget Drive beyond which are surrounding office/hotel building properties to the east and southeast, facing southeast.*



**Photo 12** *View of March Road beyond which are surrounding office building properties to the southwest and west, facing southwest.*





**Photo 13** *View of March Road beyond which is commercial strip mall, office building property, and residential development beyond Terry Fox Drive, facing west.*



**Photo 14** *View of Terry Fox Drive beyond which is commercial strip mall property, facing north. McKinley Drive observed to the right, beyond which is residential development*



*Photo 15 View of Terry Fox Drive beyond which is wooded area and additional office building properties, facing east.*



*Photo 16 View of Main Lobby with stairs to lower level.*





*Photo 17 View of typical office cubicle area.*



*Photo 18 View of typical server lab; dry transformers observed.*





**Photo 19** *View of diesel generator and day tank located in penthouse of Tower 3.*



**Photo 20** *View of bulk diesel tank on ground floor of Tower 3 (feeds day tank located in Tower 3 penthouse).*



*Photo 21 View of grease trap in kitchen of the Corporate Building.*



*Photo 22 View of sump pump pits and glycol system for Tower 2 basement loading ramp with trench drain.*





*Photo 23 View of Tower 2 basement loading area.*



*Photo 24 Typical penthouse glycol loop system and reservoir tanks.*





**Photo 25** Typical exterior heat exchanger system (glycol or refrigerant).



**Photo 26** Evidence of drips/staining below generator (on top of decommissioned flat tank) in outbuilding located in the northeast portion of the Site.





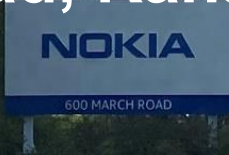


# Phase Two Environmental Site Assessment

600 March Road, Kanata (Ottawa), Ontario

Nokia Canada Inc.

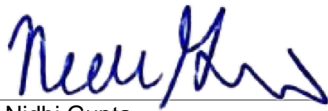
July 19, 2022



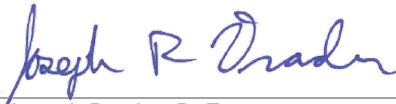
The Power of Commitment





Author(s):



Nidhi Gupta



Joseph Drader, P. Eng.

<b>Project name</b>		Nokia Property/Colliers/300 March Road					
<b>Document title</b>		Phase Two Environmental Site Assessment   600 March Road, Kanata (Ottawa), Ontario					
<b>Project number</b>		12566614					
<b>File name</b>		12566614-RPT-3-Draft-Phase Two ESA					
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			Name	Signature	Name	Signature	Date
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Appendix A	Borehole Logs
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# 1. Executive summary

GHD was retained by Nokia Canada Inc. (Nokia) to conduct a Phase Two Environmental Site Assessment (ESA) of the commercial/industrial property located at 600 March Road in Kanata (Ottawa), Ontario; the property will be hereinafter referred to as the Site or Phase Two Property. GHD previously prepared a Phase One ESA dated April 20, 2022 at the Site. The Phase One ESA and Phase Two ESA were undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The Phase One ESA and Phase Two ESA may also be used to support the preparation of a Record of Site Condition (RSC) in accordance with Ontario Regulation (O. Reg) 153/04, as applicable.

Based on the results of the Phase One ESA (GHD, 2022), the following areas of potential environmental concerns (APECs) were identified:

- APEC #1 – Adjacent Manufacturing Operations
- APEC #2 – Surrounding Dry Cleaning Operations
- APEC #3 – Surrounding Historic Landfill
- APEC #4 – Surrounding Manufacturing Operations
- APEC #5 – Site Diesel Generator/Tank Operations

The Phase Two ESA was recommended based on the APECs identified in the Phase One ESA, in order to assess the soil and groundwater quality at the Site. The Phase Two ESA field activities were completed in May 2022, and included the advancement of advancement of boreholes into the overburden and bedrock stratigraphy, installation of overburden and bedrock monitoring wells, soil field screening and groundwater monitoring, and the collection and laboratory analysis of soil and groundwater samples for testing of contaminants of potential concern (CPCs) based upon visual and olfactory observations. CPCs included metals and inorganic compounds, polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), and/or general chemistry parameters.

A summary of the analytical results of the soil and groundwater quality are presented below:

- **Soil Quality** | Based on a review of the soil analytical results, all analyzed parameters had concentrations below the Ministry of the Environment, Conservation and Parks (MECP) Table 7 Standards. No associated impacts were noted for APEC #5 (Site Diesel Generator/Tank Operations).
- **Groundwater Quality** | Based on a review of the groundwater analytical results, all analyzed parameters had concentrations below the MECP Table 7 Standards with the exception of a chloride exceedance at BH17-22 (northwest corner of the Site), assumed to be associated with snow plowing and road salt operations near the intersection of March Road and Terry Fox Drive. No associated impacts were noted for APEC #1 (Adjacent Manufacturing Operations), APEC #2 (Surrounding Dry Cleaning Operations), APEC #3 (Surrounding Historic Landfill), APEC #4 (Surrounding Manufacturing Operations), and APEC #5 (Site Diesel Generator/Tank Operations).
- There was no evidence of measurable NAPL during the drilling or groundwater sampling activities.

The Phase Two ESA results indicate that there are no potential impacts to soil and groundwater associated with the APECs.

Based on the May 2022 results, it is recommended that monitoring wells (including the wells deemed dry during the May 2022 investigation) in the northern half of the Property be resampled during future residential planning and when applying for a Record of Site Condition with the MECP. This recommendation is to ensure groundwater monitoring and quality data are up to date.

## 2. Introduction

GHD was retained by Nokia Canada Inc. (Nokia) to conduct a Phase Two Environmental Site Assessment (ESA) of the commercial/industrial property located at 600 March Road in Kanata (Ottawa), Ontario; the property will be hereinafter referred to as the Site or Phase Two Property. A Site Location Map and a Site Plan are provided on **Figure 1 and Figure 2**, respectively.

The Phase Two ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The Phase Two ESA may also be used to support the preparation of a Record of Site Condition (RSC) in accordance with O. Reg. 153/04 – RSC, as applicable.

The objective of the Phase Two ESA was to undertake a preliminary investigation of the general soil and groundwater quality on Site and in the Areas of Potential Environmental Concern (APECs) that were identified to be associated with the Site based on the findings of the 2022 Phase One ESA completed by GHD.

### 2.1 Site Description

The Phase Two Property is located east of March Road, south Terry Fox Drive, and west of Legget Drive. The Phase Two Property is approximately 10.39 hectares (ha) (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 square metres [m<sup>2</sup>] of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads and landscaped areas. The Phase Two Property is currently used for office and research/development activities. Prior to the current development, the Phase Two Property was vacant and/or used for agricultural purposes.

The Site is legally described as Part of Block 1 and Block 6 under Registered Plan 4M-642 and Part of Lots 8 and 9 under Concession 4, Geographic Township of March, City of Ottawa. The Site contains five parcels with the following property identification numbers (PINs) and descriptions:

- 04517-0813 (LT) | Block 1, Plan 4M-642, Save and Except 1, 2, and 16 on Plan 4R-12735, Kanata.
- 04517-0699 (LT) | Southeast Half of Lot 9, Concession 4, Designated as Part 4 on 4R-5753, Save and Except Parts 1, 2, and 3 on Plan 4R-11611, Kanata.
- 04517-0474 (LT) | PCL 6-1, Sec 4M-642, Block 6, PL 4M-642, Kanata.
- 04517-0467 (LT) (parking lot) | PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.
- 04517-0809 (LT) (parking lot) | Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.

### 2.2 Property Ownership

The Site is currently owned by Nokia Canada Inc. Contact information for the client representative is listed below:

Mr. Aaron Clodd, Director, Development Management Strategy & Consulting Group  
Colliers  
181 Bay Street, Suite 1400  
Toronto, Ontario M5J 2V1

Phone | (905) 960-4506  
Email | aaron.clodd@colliers.com

## 2.3 Current and Proposed Future Uses

The Site is currently used for office and research/development activities. Prior to the current development, the Phase Two Property was vacant and/or used for agricultural purposes.

GHD's understanding that Nokia intends to amend the zoning of the Phase Two Property to add additional density and uses into an integrated live/work/play community. This includes the addition of two high rise buildings for labs and offices with at least one level of parking for each building in the southern portion of the Site, with the potential to add more underground basement levels subject to the bedrock depth, along with residential towers in the central and northern portions of the Site (up to ten buildings based on current concept plans).

## 2.4 Applicable Site Condition Standards

Generic site condition standards are provided in the Ontario MECP document entitled, "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*," dated April 15, 2011. The 2011 standards are referenced in O. Reg. 153/04 – Records of Site Condition, as amended by O. Reg. 511/09 (hereafter referred to as the 2011 MECP Standards).

The Standard provides site condition standards for certain chemicals, based on combinations of six different site-specific conditions, as follows:

- Property use type – agricultural, residential/parkland/institutional, or industrial/commercial/community. The Property had been used for commercial/industrial land uses. The Property is planned to be redeveloped for further residential /parkland and commercial/industrial land use. As such, the standards for both residential/parkland/institutional property use and industrial/commercial/community property use were applied to the Site.
- Restoration of groundwater quality - potable/non-potable. The Property, and all other properties located, in whole or in part, within 250 metres (m) of the boundaries of the property, are supplied by a municipal drinking water system. The Site is not in an area designated on the City of Ottawa official plan as an intake protection zone. The Site is not in an area designated on the City of Ottawa official plan as a well-head protection area (WHPA). As such, the standards for a non-potable groundwater condition are considered applicable to the Site.
- Restoration depth - full depth and stratified depth. For comparative purposes, the full depth standards were applied to the Site.
- Soil texture - coarse or medium to fine. Based on the results of the Phase Two ESA (presented herein), the predominant soil type on Site is considered to be coarse textured. As such, the standards for coarse textured soils were applied to the Site.
- Shallow soil property. The Site is considered to be a shallow soil property, due to less than 2 m of overburden above bedrock existing for a majority of the Site.
- Within 30 m of a water body. There are no water bodies or water courses located on the Site.

The generic 2011 MECP Standards are not applicable if the Site is considered to be an environmentally sensitive area based on the conditions presented in Section 41 of O. Reg. 153/04, as amended. Based on GHD's review, there are no Areas of Natural Scientific Interest (ANSI) or Provincially Significant Wetlands (PSW) identified by the Ministry of Natural Resources and Forestry (MNRF) within the 250 m Study Area. There are no areas designated by the municipality in its current official plan (Bylaw 2008-250-Zoning) as Environmentally Protected zoning ('EP') within the Study Area. As the Site does not contain an area of natural significance as defined by O. Reg. 153/04, and properties within 250 m of the Site limits do not contain areas of natural significance, the Site is not classified as an environmentally sensitive property (O. Reg. 153/04, s41).

Based upon the above-described assessments, the O. Reg. 153/04 Table 7: General Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (residential/parkland/institutional and industrial/commercial/community property use; coarse-grained soil texture) is considered the applicable Site comparison.

## 2.5 Limitations

This report has been prepared by GHD for Nokia Canada Inc. and may only be used and relied on by Nokia Canada Inc. for the purpose agreed between GHD and Client.

GHD otherwise disclaims responsibility to any person other than Client arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

## 3. Background Information

### 3.1 Physical Setting

The Site is currently used for office and research/development activities. Prior to the current development, the Phase Two Property was vacant and/or used for agricultural purposes. The Site is approximately 10.39 ha (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 m<sup>2</sup> of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads and landscaped areas.

Information regarding adjacent/surrounding properties within the Phase Two Study Area are noted below:

#### North

The Site is bound to the north by Terry Fox Drive, beyond which are the following properties:

- Wooded area (north) and strip mall property (northeast) at 700 March Road with offices (Scotia Bank, dental, optometry, and physio), stores (convenience market, barber, video games, and cleaners [no dry cleaning observed]) and restaurants (Burger King, Subway, Chinese Food, Barley Mow) to the north.
- Residential development to the north (off McKinley Drive) and to the northwest beyond intersection of March Road and Terry Fox Drive.
- Beyond the commercial property to the north is a vacant, wooded property, followed by a Shell gas station with car wash building at 720 March Road.
- Beyond wooded area to the northeast are office buildings at 360 and 362 Terry Fox Drive (Artaflex [integrated electronics services] and B.J. Kane Electric Ltd. [commercial and industrial electrical services], respectively).

#### West

The Site is bound to the west by March Road, beyond which are the following properties (north to south):

- Office buildings at 603 March Road and 375 Terry Fox Drive (Renasas [microcontrollers, analogue, and power devices] and TalentLab [IT Recruiters]).
- Vacant, wooded property.
- Commercial strip mall property at 591 March Road; includes following businesses: insurance, veterinary hospital, restaurants, pet grooming and supplies, spa.
- Power Muscle & Fitness (Gym) property at 555 March Road.

- Commercial property (insurance company and medicine wellness centre) at 525 March Road.
- Office building at 88 Hines Road (Telemus [electric warfare systems] and CCI Antennas [wireless equipment]).
- Office buildings at 80 and 84 Hines Road (multiple businesses at both buildings).
- Royal Canadian Legion at 70 Hines Road.
- Office buildings at 505 March Road and 50 Hines Road (multiple businesses at both buildings).

### **South**

The Site is bound to the south by the following properties:

- Office and possible manufacturing (Sanmina Corporation – Optical, RF/Microwave products) at 500 March Road (adjacent).
- Vacant, wooded property with evidence of a creek running through it at 490 March Road.
- Office building at 3001 Solandt Road (flex [electronics services]).
- Office building at 40 Hines Road (Trend Micro [cybersecurity]; across March Road to the southwest).
- Office building at 495 March Road (multiple businesses; across March Road to the southwest).

### **East**

The Site is bound to the east by Legget Drive, beyond which are the following properties (south to north):

- Office building at 425 Legget Drive (Innovapost, Avaya, Renaissance).
- Office building at 515 Legget Drive (multiple businesses).
- Brookstreet Hotel and Conference Center at 525 Legget Drive, beyond which is a golf course and stormwater ponds.
- Office building at 535 Legget Drive (multiple businesses).
- Office buildings at 555 Legget Drive (multiple businesses).
- Office building at 359 Terry Fox Drive (multiple businesses).

Based on the 2022 GHD Phase One ESA (refer to Section 3.2):

- There are no water bodies or water courses located on the Site. Surface water ponds are located to the east of the Site (associated with a golf course), and portions of Shirley's Brook are observed in the southern portion and east-northeast boundaries of the Phase Two Study Area. The closest significant surface water body is the Ottawa River located approximately 3.2 kilometres (km) northeast of the Site.
- Based on the definition of area of natural significance provided in O. Reg. 153/04, the Site is not considered to be an area of natural significance.
- The Site is currently serviced with municipal water, sanitary sewer, and storm sewer services. A stormwater retention pond is located to the east of the Site (off-Site at golf course) that does capture Site storm water via catch basins in parking lot and driveways, as well as from other surrounding properties.
- The Property, and all other properties located, in whole or in part, within 250 m of the boundaries of the property, are supplied by a municipal drinking water system. The Site is not in an area designated on the City of Ottawa official plan as an intake protection zone. The Site is not in an area designated on the City of Ottawa official plan as a WHPA.
- GHD is not aware of any historical utility and/or water services. GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site.

## **3.2 Past Investigations**

The following investigations have been completed at the Site:



- "Phase One Environmental Site Assessment – 600 March Road, Ottawa, Ontario", prepared by GHD, dated April 20, 2022
- "Preliminary Geotechnical Investigation and Hydrogeological Assessment", prepared by GHD, dated April 7, 2022

Information from the 2022 Phase One ESA report is referenced in Section 4.2 (Phase One Conceptual Site Model), as well as included in other sections of this report, as applicable. The Phase One Conceptual Site Model with the location of applicable APECs and potentially contaminating activities (PCAs) is presented on **Figure 3**.

Applicable information from the 2022 GHD Preliminary Geotechnical Investigation and Hydrogeological Assessment report is referenced in Section 6.

## 4. Scope of the Investigation

The Phase Two ESA included assessments of the soil and groundwater quality on Site. The Phase Two ESA field activities included the advancement of boreholes and installation of monitoring wells, field screening, and the collection and laboratory analysis of soil and groundwater samples as described in detail below. The data generated within GHD's investigative activities has been presented herein.

### 4.1 Media Investigated

Based on the APECs identified at the Site, the investigation of the soil and groundwater quality on Site included the following:

Media Type	Date	Borehole/Well, Test Hole, & Test Pit	Sample Location	Analytical Parameters	APEC Info
Soil	April 2022	S-001, S-002, S-003, S-004	Shallow Overburden	BTEX, PHC F1-F4	Exterior diesel above ground storage tank (AST) and Generator (PCA #28; APEC #5) within fenced in area surrounding generator at the Site
Groundwater	May 2022	BH01-22	Overburden	Metals/Inorganics, PAHs, PHC F1-F4, VOCs	Southern Property Boundary adjacent to electronic manufacturing operations (PCA #19; APEC #1) at 500 March Road
		BH02-22, BH11-22, BH12-22	Bedrock		
		BH13-22, BH14-22, BH15-22, BH16-22, BH17-22	Bedrock	VOCs	Northwest Property Boundary – Operation of former dry cleaners (PCA #37; APEC #2) at 591 March Road; Historic March Landfill with associated adjacent groundwater contamination plume (PCA #58; APEC #3); and electronic manufacturing operations (PCA #19; APEC #4) at 603 March Road
		BH16-22, BH17-22		Metals/Inorganics, PAHs, PHC F1-F4, VOCs	
BH10-22	Bedrock	BTEX, PHC F1-F4	Exterior diesel above ground storage tank (AST) and Generator (PCA #28; APEC #5) within fenced in area surrounding generator at the Site		

Notes:

BTEX – Benzene, toluene, ethylbenzene, and xylene  
 PAHs – Polycyclic Aromatic Hydrocarbons  
 PHC F1-F4 – Petroleum Hydrocarbon Fractions F1 to F4  
 VOCs – Volatile Organic Compounds

The borehole, monitoring well, and sampling locations are shown on **Figure 4**.

There are no water bodies located on the Site; therefore, surface water and sediment were not sampled during the Phase Two ESA. Soil vapour sampling was not completed as part of the Phase Two ESA.

## 4.2 Phase One Conceptual Site Model

The Site is located at 600 March Road in Kanata (Ottawa), Ontario, east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Site is legally described as Part of Block 1 and Block 6 under Registered Plan 4M-642 and Part of Lots 8 and 9 under Concession 4, Geographic Township of March, City of Ottawa.

The Site is approximately 10.39 ha (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 m<sup>2</sup> of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads, and landscaped areas.

The Site is currently owned by Nokia Canada Inc., and is currently used for office and research/development activities. Prior to Nokia owning/operating the Site, the following companies conducted similar operations/activities: Newbridge Networks; Alcatel; and Alcatel-Lucent. Prior to the current development, the Site was vacant and/or used for agricultural purposes.

The general topography at the Site and surrounding area is noted to be relatively flat and/or sloping east/south towards creeks associated with Shirley's Brook. There are no water bodies or water courses located on the Site. Surface water ponds are located to the east of the Site (associated with a golf course), and portions of Shirley's Brook are observed in the southern portion and east-northeast boundaries of the Site. The Ottawa River is located approximately 3.2 km northeast from the Site limits.

Based on GHD's "Preliminary Geotechnical and Hydrogeological Investigation" report (dated April 7, 2022) a Site investigation was carried out between January 28 and February 6, 2022, to provide understanding of the soil/bedrock stratigraphy and groundwater conditions at the Site. A summary of the applicable subsurface conditions is noted below:

- Topsoil (organic material with rootlets), and asphalt surfaces with granular base/subbase were observed from the surface to approximately 0.9 metres below ground surface (mBGS). Silty clay to clay deposit was encountered below topsoil or subbase material.
- Auger refusal (presumed bedrock) was encountered at depths ranging from 0.4 to 3.6 mBGS in all boreholes.
- Groundwater was not encountered in the overburden stratigraphy.
- Groundwater static water elevations in the bedrock stratigraphy ranged from 75.84 to 77.24 metres above mean sea level (mAMSL) on February 9, 2022. The estimated groundwater flow direction is likely to the south and/or east towards Shirley's Brook (actual direction could not be confirmed based on well locations and dry well conditions). It should be noted that the position of the groundwater table is subject to seasonal fluctuations and is responsive to precipitation and snowmelt events.

Based on the information reviewed and the definition of area of natural significance provided in O. Reg. 153/04, the Site is not considered an area of natural significance.

The Site is serviced with electricity provided by Hydro Ottawa, including three Hydro Ottawa rooms/vaults for main transformers (owned by Nokia). The Site is serviced with natural gas provided by Enbridge for various building operations/appliances. The Site is currently serviced with municipal water, sanitary sewer, and storm sewer services. GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site.

Based on the results of the Phase One ESA, including the Site inspection, information provided by Site representatives and regulatory agencies, documents reviewed, and the review of Site history, the following APECs were identified to be associated with the Site.

1. **Adjacent Manufacturing Operations** | Based on review of historical documentation and Site inspection, the electronic manufacturing operations of the Sanmina Corporation on the adjacent property to the south at

500 March Road is identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the southern property boundary is identified as **APEC #1**.

2. **Surrounding Dry Cleaning Operations** | The operation of various dry cleaners at 591 March Road to the west of the Site (across March Road) is identified as a PCA (#37 – Operation of Dry Cleaning Equipment) in accordance with O. Reg. 153/04, and the northwest portion of the property boundary is identified as **APEC #2**.
3. **Surrounding Historic Landfill** | The historic March Landfill (operated from 1963 to 1974) and associated groundwater contamination (chlorinated solvents that extend approximately 1.5 km from the former landfill) located northwest and west of the Site are identified as a PCA (#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners) in accordance with O. Reg. 153.04, and the northwest portion of the property boundary is identified as **APEC #3**.
4. **Surrounding Manufacturing Operations** | Newbridge Networks Corp at 603 March Road located west of the Site (across March Road) was identified in the CA database with approved/cancelled Industrial Air certificates around 1990-1991 for Exhaust Systems No. 1-5. In addition, Tundra Semiconductor Corp was identified with operations noted as "semiconductor and other electronic component manufacturing". The operations at 603 March Road are identified as a PCA (#19 – Electronic and Computer Equipment Manufacturing) in accordance with O. Reg. 153.04, and the northwest property boundary is identified as **APEC #4**.
5. **Site Diesel Generator/Tank Operations** | Although no reported spills were identified by the Site Representative, due to snow covered exterior containment area and evidence of drips/staining from generator within the outbuilding (on top of flat tank), the operation of the exterior 4,540 litre AST is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) in accordance with O. Reg. 153/04, and the fenced in area containing the generator and AST is identified as **APEC #5**.

The Phase One ESA Conceptual Site Model, including the location of PCAs and APECs, is depicted on **Figure 3**. Based on the results, the contaminants of concern were identified as metals/inorganics, PAHs, PHCs, VOCs, and/or BTEX.

## 4.3 Deviations from the Sampling and Analysis Plan

Deviations from the sampling and analysis plan occurred during the field program due to several dry wells and lack of groundwater exhibited in a few of the monitoring wells installed in May 2022. A summary of the deviations are described below:

- Monitoring wells BH13-22, BH15-22, and BH16-22 could not be sampled due to wells being dry and/or extremely limited recharge of groundwater observed at these wells.
- Metals/Inorganics and PAH parameters were removed from analysis from sample collected at BH11-22 due to limited recharge of groundwater observed at this well.

## 4.4 Impediments

There were no impediments encountered during the investigation.

# 5. Investigation Methods

## 5.1 General

The following investigative activities were undertaken between April 28 and May 26, 2022, and are described in detail in the following subsections:

- Advancement of boreholes.

- Installation of groundwater monitoring wells.
- Collection of field screening measurements and observations.
- Collection and laboratory analysis of soil and groundwater samples.
- Groundwater field measurements of water quality parameters.
- Collection of groundwater level measurements.
- Residue management.
- Quality assurance and quality control measures.
- Elevation surveying.

The field investigation activities were completed in accordance with MECP protocols, GHD's standard operating procedures (SOPs), and standard industry practice.

Prior to completing the investigation activities undertaken by GHD, a Site-specific Health and Safety Plan (HASP) was prepared to provide specific guidelines and established procedures for the protection of personnel performing the Site investigation activities. In addition, the appropriate public utility notifications were completed and a private utility locator was retained to assist with on-Site utility clearances. Private utility locate services were completed prior to undertaking subsurface investigative activities.

## 5.2 Drilling and Boring Activities

As part of the Preliminary Geotechnical Investigation and Hydrogeological Assessment (GHD, April 2022) conducted at the Site between January 28 and February 2, 2022, ten boreholes BH01-22 to BH10-22 were drilled to refusal or within bedrock. Borehole BH01-22 (overburden) and boreholes BH-02-22, BH03-22, BH06-22, and BH10-22 (bedrock) were originally installed with monitor wells for groundwater level measurements and hydrogeological assessment purposes, but were later used to investigate groundwater quality conditions associated with APEC #1 and APEC #5.

On April 28, 2022, hand shoveling was used to collect soil samples (S-001 to S-004) at the existing exterior diesel AST and Generator (APEC #5) located on the Site. Soil was sampled at a depth of approximately 0.3 mBGS.

On May 11 and 12, 2022, seven boreholes (BH11-22 to BH17-22) were advanced on Site using a track-mounted drill rig, and each of the boreholes was instrumented as a monitoring well to investigate groundwater quality conditions associated with APEC #1 to #4. GHD retained Aardvark Drilling Inc. (Aardvark), a MECP licensed driller of Carleton Place, Ontario, to complete the drilling activities.

The location of the boreholes and monitoring wells are shown on **Figure 4**. Borehole and monitoring well installation details, including geological descriptions of the soil encountered, are provided in borehole logs presented in **Appendix A**. Borehole logs were not created for the four shallow soil samples (S-001 to S-004).

Prior to use and between each borehole, the drilling and sampling equipment was thoroughly cleaned using Alconox® soap and potable water rinse.

## 5.3 Soil Sampling

Soil samples S-001 to S-004 were collected near and around the existing exterior diesel AST and Generator (APEC #5) on Site. Soil sample collection was facilitated through the use of a stainless steel shovel. Soil samples were collected at a depth of approximately 0.3 mBGS, directly from the shallow boring. Soil samples were not collected from the drilled borehole locations.

Soil samples obtained from each borehole were qualitatively and quantitatively screened for the presence of impact. Qualitative screening was based on visual and olfactory observations, while quantitative screening was based on the presence of undifferentiated VOCs in the headspace of soil samples collected as measured in the field (refer to Section 5.4 for further screening details).

Select soil samples were submitted for laboratory analysis of VOCs and PHCs. Soil samples were collected in laboratory supplied glass containers which were placed in a cooler containing ice for sample preservation. Undisturbed samples for VOC analysis were placed directly in sample containers provided by the laboratory. All soil samples were collected using the required sampling techniques in accordance with O. Reg. 153/04, including the methanol field preservation method for those soil samples being submitted for analysis of PHC F1 and VOCs. Samples were submitted to the laboratory for analysis under chain-of-custody protocol. A sample key for the submitted soil samples is presented in **Table 1**.

## 5.4 Field Screening Measurements

As discussed in Section 5.3, soil samples of the overburden were taken and placed into a sealable plastic bag for headspace screening. The headspace soil samples were screened for undifferentiated VOC vapour readings using a photo-ionization detector (PID). Prior to screening, the field screening equipment was inspected and calibrated according to the manufacturer's recommendations by GHD personnel.

The results of the field screening for all collected soil samples are presented in **Table 3**. PID screening results ranged from 0.0 to 0.2 parts per million (ppm) for VOC headspace readings.

## 5.5 Groundwater: Monitoring Well Installation

Between January and May 2022, groundwater monitoring wells were installed in twelve of the seventeen on-Site boreholes advanced as part of the geotechnical, hydrogeological, and environmental investigations. The locations of the monitoring wells are presented on **Figure 4**.

The monitoring well at BH01-22 was installed in the overburden stratigraphy, originally for geotechnical and hydrogeological assessment purposes in February 2022 (Note: BH01-22 was observed to be dry in February 2022), but later used for collection of groundwater samples for laboratory analysis in May 2022. The remaining 11 monitoring wells (BH02-22, BH03-22, BH6-22, and BH10-22 to BH17-22) were all installed/sealed in the deeper bedrock to facilitate the hydrogeological assessment in February 2022 (only BH02-22, BH03-22, BH06-22 and BH10-22; Note: BH03-22 was observed to be dry in February 2022) and collection of groundwater samples for laboratory analysis in May 2022.

The monitoring wells were constructed with a 2-inch (") (50 millimetre [mm]) diameter, Schedule 40 polyvinyl chloride (PVC) riser and No. 10 slot size well screens (either 1.5 or 3 m screen length). A silica sand pack was placed in the annular space between the PVC screen/riser pipe and the borehole to a height of at least 0.3 m above the top of the screen. A bentonite seal was placed directly above the sand pack and extended to within 0.3 m of the ground surface. To complete the installation, an expandable J-plug or a 2" PVC cap was placed on the riser pipe to protect against debris falling and/or surface runoff infiltrating into the well and a protective aboveground steel casing (flush-mount construction) with a concrete collar was placed around each well to cover the top of the riser pipe. The groundwater monitoring well construction and installation details are shown on the stratigraphic and instrumentation logs provided in **Appendix A**. Monitoring wells BH01-22 to BH03-22, BH06-22, and BH10-22 were developed on February 3, 2022, and monitoring wells BH11-22 to BH17-22 were developed on May 16<sup>th</sup> to May 18<sup>th</sup>, 2022, in order to remove all residual drilling fluids and/or remove as much silt from the wells as possible. A minimum of three to five well volumes were attempted for each well, although development of BH11-22 to BH17-22 took over 3-days to complete due to the slow recharge and lack of groundwater in several of the monitoring wells. The monitoring wells were allowed to stabilize for at least 1-week prior to the completion of groundwater sampling activities.

## 5.6 Groundwater Field Measurements of Water Quality Parameters

In order to ensure that samples representative of on-Site groundwater conditions was obtained, each monitoring well was purged prior to groundwater sample collection using dedicated Waterra™ valves and tubing. The following protocol was generally followed at each monitoring well location during well purging activities:

- Groundwater level measurements were collected prior and subsequent to well development activities using a calibrated oil/water interface probe. The depth to water was measured relative to a specific reference point in the monitoring well. Reference and groundwater levels and elevations are presented in **Table 2**.
- Where Waterra™ sampling techniques were used, a minimum of three well volumes of water were purged from the monitoring well. In the event that slow groundwater recharge conditions were encountered, the well was purged until dry and then allowed to recover prior to sample collection. Field measurements of temperature, pH, turbidity, and electrical conductivity were taken using a water quality meter after each purged well volume was removed until consistent field measurements were recorded indicating that water in the well was representative of the actual groundwater conditions.
- Groundwater in the monitoring well was allowed to recover and settle prior to sample collection to reduce sediment agitation and mobilization in volatile and semi-volatile samples.

## 5.7 Groundwater Sampling

Groundwater samples were collected from a total of seven monitoring wells (BH01-22, BH02-22, BH10-22, BH11-22, BH12-22, BH14-22, and BH17-22) on May 17, May 25, and May 26. Refer to Section 5.6 for details on the sampling method.

Groundwater samples were collected and placed directly into laboratory-supplied sample containers specific to the analytical parameters. Groundwater samples were submitted for laboratory analysis of one or more of the following parameters: O. Reg. 153/04 metals/inorganics, PHC F<sub>1</sub> to F<sub>4</sub>, VOCs, BTEX, and/or PAHs. Groundwater samples collected for metals analysis were field filtered using a 0.45 micron filter prior to sample collection. Samples were stored in coolers chilled with ice for sample preservation and submitted to the laboratory for analysis under chain-of-custody protocol. The chain-of-custody forms document the condition and handling of the samples throughout the collection, transportation, and final analysis of the samples. A sample key for the submitted groundwater samples is presented in **Table 1**.

## 5.8 Sediment Sampling

Sediment sampling was not completed during the Phase Two ESA as sediment was not identified as a potentially contaminated media.

## 5.9 Analytical Testing

Soil and groundwater samples collected during GHD's investigation were submitted to ALS Global (ALS) in Ottawa, Ontario. ALS is a member of the Standards Council of Canada (SCC) and Canadian Association of Environmental Analytical Laboratories (CAEAL). Copies of the analytical laboratory reports are provided in **Appendix B**.

## 5.10 Residue Management Procedures

Soil cuttings, equipment decontamination wash water and purge/well development water for GHD's investigative activities were containerized in 205-litre drums for off-Site disposal. Soil cuttings and wash water/purge/development waters are being temporarily stored on Site.

## 5.11 Elevation Surveying

The elevations of the boreholes were surveyed using a survey grade GPS equipment referenced to the NAD 83 UTM Zone 18 and geodetic datum, for boreholes BH01-22 to BH10-22 in February 2022. Boreholes BH11-22 to BH17-22 were surveyed in May 2022 using GPS and laser level equipment, and tying in elevations initially collected in February 2022.

## 5.12 Quality Assurance and Quality Control Measures

A Quality Assurance/Quality Control (QA/QC) program was implemented during the program to ensure quality data was generated. This program involved both field and laboratory QA/QC measures.

Samples were collected in laboratory supplied sampling containers with the appropriate preservative in accordance with O. Reg. 153/04, including the methanol field preservation method for those soil samples being submitted for analysis of PHC F<sub>1</sub> and VOCs.

Samples were submitted under chain-of-custody protocol to an analytical laboratory for chemical analysis. For quality assurance, the following was undertaken:

- Between collection of each soil and groundwater sample, GHD field personnel donned a new pair of disposable nitrile gloves.
- Prior to use and between each borehole location, the drilling and non-dedicated sampling equipment was thoroughly cleaned using Alconox® soap and potable water rinse.
- Stainless steel sampling equipment was used and cleaned using Alconox® soap and potable water rinse between each sample collection event.
- Wherever possible, dedicated sampling equipment (e.g., LDPE tubing, fittings, Ziploc® bags, etc.) was used to reduce the potential for cross contamination.
- The groundwater monitoring wells were equipped with a dedicated Waterra™ foot valve and polyethylene tubing for well development activities.

To validate the field analysis, QA/QC trip blanks were also submitted (generally one per laboratory submission) for soil and groundwater where analysis of volatile parameters were required QC samples were also analysed by the laboratory as required by their analytical methods. A Data Quality Assessment and Verification memorandum is presented in **Appendix C**.

# 6. Review and Evaluation

The results of the Site investigation activities are described in the following sections.

## 6.1 Geology

In general, soils encountered at the borehole locations consisted of a surface layer of topsoil or asphalt pavement, overlying a fill material and discontinuous layer of native silty clay to clay, overlying sandstone bedrock with dolomite interbeds. Shallow bedrock ranging in depths of 0.4 to 1.37 mBGS was encountered in the northern and central portions of the Site and gradually increased to depths of up to 1.4 to 4.7 mBGS in the southern portion of the site boundary.

General descriptions of the subsurface conditions are summarized in the following sections, with a graphical representation of each borehole presented on borehole logs attached in **Appendix A**.



### 6.1.1 Surface Material

Topsoil was encountered in at boreholes BH07-22, BH09-22, and BH11-22 to BH17-22 to depths ranging from 0.6 to 0.9 mBGS and generally constituted of organic material with rootlets.

An asphalt layer with thickness of 100 mm was encountered at the ground surface at the location of boreholes BH02-22, BH03-22, BH04-22, BH05-22, BH06-22, BH08-22, and BH10-22. Granular base/subbase (fill material) encountered below the asphalt consisted of sandy silt, sandy gravel to gravelly sand, and extends to depths ranging from 0.4 to 0.9 mBGS. Fill material was also encountered at the surface in borehole BH01-22 and extends to depth of 0.6 mBGS.

### 6.1.2 Silty Clay to Clay

Silty clay to clay deposits were encountered below the fill or topsoil in boreholes BH01-22 to BH05-22, BH07-22, BH11-22, and BH12-22 at depth of 0.6 to 4.7 mBGS.

### 6.1.3 Sandy Silt to Clayey Silt

Sandy silt to clayey silt deposits were encountered below topsoil in boreholes BH13-22, BH14-22, and BH15-22 directly above bedrock. The silt deposit extended to depths ranging from 0.6 to 1.4 mBGS.

### 6.1.4 Bedrock

Bedrock (including presumed due to auger refusal) was encountered at depths ranging from 0.4 to 4.7 mBGS. Upon refusal on the presumed possible bedrock, boreholes BH02-22, BH03-22, BH06-22, BH07-22, and BH10-22 were extended an additional 1.6 m to 6.4 m below the refusal using HQ diamond coring methods to confirm the presence, type, and quality of bedrock. Bedrock at boreholes BH11-22 to BH17-22 were drilled an additional 3.2 to 5.2 m below refusal using air hammer methods.

Based on retrieved rock core and rock exposures, bedrock at the site consists of slightly weathered to fresh, thinly to medium bedded, light grey with yellow bands dolomitic sandstone of the Beekmantown Group per the published Paleozoic geology map.

Rock Quality Designation (RQD) values measured on the bedrock core samples generally range from 63 to 100 percent, indicating fair to excellent quality rock, except for bedrock at borehole BH10-22 where RQD value of 36 percent indicating poor quality rock is noted at depths of 3.5 to 4.0 mBGS. This low RQD value measured was due to mechanical break that occurred during the last core run of borehole BH10-22 drilling operations, resulting in loss of some of the drilled core sample.

## 6.2 Groundwater Elevations and Flow Direction

Groundwater level measurements were collected from the on-Site monitoring wells using a calibrated electronic oil/water interface probe (i.e., Solinst) or a Solinst water level tape. The depth to water was measured relative to a specific reference point in the monitoring well (i.e., the top of the monitoring well riser pipe). Based on the survey information of the top of riser pipe elevation, the groundwater elevation was calculated by subtracting the water level measurement from the reference point elevation. Groundwater level measurements and elevations collected on May 26, 2022 are provided in **Table 2**, with groundwater elevations, contours, and flow direction depicted on **Figure 5**.

Based on the water level measurements recorded on May 26, 2022, the direction of groundwater flow across the Site in the bedrock aquifer appears to be highly variable and heading in multiple directions. Due to lack of groundwater in portions of the overburden stratigraphy and multiple dry bedrock wells, groundwater flow may be affected by differential pathways in the bedrock aquifer. It should be noted that the groundwater table is subject to seasonal fluctuations and in response to precipitation and snowmelt events. Also, it would be expected that water may be

perched within fill materials or the poor bedrock. Future monitoring would determine if the flow patterns were accurate throughout the year.

There was no evidence of measurable NAPL during the drilling or groundwater sampling activities.

### 6.3 Groundwater Hydraulic Gradients

The hydraulic gradient would be calculated by dividing the difference in hydraulic head by the lateral distance between monitoring locations. As noted in Section 6.2, the May 26, 2022 direction of bedrock groundwater flow across the Site appeared to be highly variable and heading in multiple directions, as well as observations of limited groundwater in portions of the overburden stratigraphy and multiple dry bedrock wells. Hydraulic gradients would also be highly variable at this time, and affected by differential pathways in the bedrock aquifer and seasonal fluctuations. Future monitoring would determine if an accurate hydraulic gradient could be calculated.

Based on the hydrogeological assessment conducted in February 2022 (GHD, April 2022) and the results from single well response tests, the horizontal hydraulic conductivity ( $K_h$ ) of the Beekmantown Group Formation at the Site ranges from  $2.073 \times 10^{-6}$  (BH10-22) to  $3.849 \times 10^{-5}$  centimetre per second (cm/sec) ( $2.073 \times 10^{-4}$  to  $3.849 \times 10^{-3}$  [metres per day] m/day) (geometric mean  $8.93 \times 10^{-6}$  cm/sec [ $8.93 \times 10^{-4}$  m/day]).

### 6.4 Soil: Field Screening

During the investigation, field screening of collected soil samples was undertaken for organic vapours using a MiniRAE photo-ionization detector (PID). Any visual or olfactory evidence of potential impacts was also documented. The results of the soil field screening and corresponding sample depth intervals are provided on **Table 3**.

During the drilling and groundwater sampling activities, there was no field evidence of impact identified nor evidence of light or dense non-aqueous phase liquids on the Site.

### 6.5 Soil Quality

Soil samples were selected for laboratory analysis around the exterior AST and diesel generator building (APEC #5) located on the Site. Surface soil samples were taken in four locations, S-001, S-002, S-003, and S-004. Five samples total were taken, comprised of four samples and one duplicate sample. All samples were taken from a depth of approximately 0.3 mBGS.

No parameters were found above MECP Table 7 Standards. During the drilling activities, there was no field evidence of impact identified nor evidence of light or dense non-aqueous phase liquids on the Site.

Laboratory analytical reports are provided in **Appendix B**. All soil analytical results are presented on **Table 3**. A summary of the maximum detected soil concentrations is presented in **Table 4**.

### 6.6 Groundwater Quality

Groundwater samples were collected for laboratory analysis from BH01-22, BH02-22, BH10-22, BH11-22, BH12-22, BH14-22, and BH17-22. Laboratory analytical reports are provided in **Appendix B**. All groundwater analytical results are presented on **Table 5**. A summary of the maximum detected groundwater concentrations is presented in **Table 6**. No parameters were found above MECP Table 7 Standards, with the exception of chloride concentrations in bedrock monitoring well BH17-22. This exceedance is assumed to be associated with snow plowing and road salt operations near the March Road and Terry Fox intersection.

During the groundwater sampling activities, there was no field evidence of impact identified nor evidence of light or dense non-aqueous phase liquids on the Site.

## 6.7 Sediment Quality

Sediment associated with water bodies was not identified as Potentially Contaminated Media on Site; therefore, sediment was not sampled during the Phase Two ESA.

## 6.8 Phase Two Conceptual Site Model

### Introduction

The Site is located east of March Road, south of Terry Fox Drive, and west of Legget Drive. The Site is approximately 10.39 ha (25.67 acres) in size and includes multiple interlinked building/tower structures (approximately 50,000 m<sup>2</sup> of office and computer lab space), car parking (approximately 1,900 surface parking stalls), access roads, and landscaped areas.

The Site is legally described as Part of Block 1 and Block 6 under Registered Plan 4M-642 and Part of Lots 8 and 9 under Concession 4, Geographic Township of March, City of Ottawa.

The Site contains five parcels with the following property identification numbers (PINs) and descriptions:

- 04517-0813 (LT) | Block 1, Plan 4M-642, Save and Except 1, 2, and 16 on Plan 4R-12735, Kanata.
- 04517-0699 (LT) | Southeast Half of Lot 9, Concession 4, Designated as Part 4 on 4R-5753, Save and Except Parts 1, 2, and 3 on Plan 4R-11611, Kanata.
- 04517-0474 (LT) | PCL 6-1, Sec 4M-642, Block 6, PL 4M-642, Kanata.
- 04517-0467 (LT) (parking lot) | PCL 8-3, Sec March-4, PT LT 8, Con 4, Part 1, 4R10610, Kanata.
- 04517-0809 (LT) (parking lot) | Part of Lot 8 Concession 4, being Part 1 on Plan 4R-7809 except Parts 1 and 8 on Plan 4R10610 and Part 1 on Plan 4R12588, Kanata.

The Site is currently used for office and research/development activities. Prior to the current development, the Site was vacant and/or used for agricultural purposes.

It is GHD's understanding that Nokia intends to amend the zoning of the Site to add additional density and uses into an integrated live/work/play community. This includes the addition of two high rise buildings for labs and offices with at least one level of parking for each building in the southern portion of the Site, with the potential to add more underground basement levels subject to the bedrock depth, along with residential towers in the central and northern portions of the Site (up to ten buildings based on current concept plans).

The Phase Two ESA was undertaken for due diligence purposes, as well as in support of future local municipal planning department requirements associated with the proposed redevelopment of the Site. The Phase One ESA may also be used to support the preparation of a Record of Site Condition (RSC) in accordance with O. Reg. 153/04 - RSC, as applicable.

The objective of the Phase Two ESA was to undertake a preliminary investigation of the general soil and groundwater quality on Site and in the APECs that were identified to be associated with the Site based on the findings of the 2022 Phase One ESA completed by GHD.

Based on the results of the Phase One ESA (GHD, 2022), the following APECs were identified:

- APEC #1 – Adjacent Manufacturing Operations
- APEC #2 – Surrounding Dry Cleaning Operations
- APEC #3 – Surrounding Historic Landfill
- APEC #4 – Surrounding Manufacturing Operations
- APEC #5 – Site Diesel Generator/Tank Operations

The Phase Two ESA activities included the advancement of boreholes, installation of monitoring wells, field screening, and the collection and laboratory analysis of soil and groundwater samples.

## Potential Contaminant Distribution and Transport Pathways

GHD did not observe any evidence of active or abandoned water supply wells or septic systems on the Site. A stormwater retention pond is located to the east of the Site (off-Site at golf course) that does capture Site storm water via catchbasins in parking lot and driveways, as well as from other surrounding properties. The Site is serviced with electricity provided by Hydro Ottawa, including three Hydro Ottawa rooms/vaults for main transformers (owned by Nokia). The buildings are heated by electric forced air, radiant, and baseboard heaters. The Site is serviced with natural gas provided by Enbridge for humidification units, kitchen appliances, and water heaters.

Based on the historical information reviewed, subsurface structures and utilities that may affect contaminant distribution and transport on Site included the following (which date back to the early development of the Site): utility backfill trenches, and abandoned utility conduits.

## Physical Setting

The general topography in the Phase Two Study area is noted to be relatively flat and/or sloping east/south towards creeks associated with Shirley's Brook. The Ottawa River is located approximately 3.2 km northeast from the Site limits.

**Geology** | In general, soils encountered at the borehole locations consisted of a surface layer of topsoil or asphalt pavement, overlying a fill material and discontinuous layer of native silty clay to clay, overlying sandstone bedrock with dolomite interbeds.

**Hydrogeology** | Based on the water level measurements recorded on May 26, 2022, the direction of groundwater flow across the Site in the bedrock aquifer appears to be highly variable and heading in multiple directions. Due to lack of groundwater in portions of the overburden stratigraphy and multiple dry bedrock wells, groundwater flow may be affected by differential pathways in the bedrock aquifer. It should be noted that the groundwater table is subject to seasonal fluctuations and in response to precipitation and snowmelt events. Also, it would be expected that water may be perched within fill materials or the poor bedrock. Future monitoring would determine if the flow patterns were accurate throughout the year.

## Applicable Site Condition Standards

The soil and groundwater analytical results were assessed to the MECP Table 7 Standards for Residential/Parkland/Institutional and Industrial/Commercial/Community property uses for a non-potable groundwater for coarse textured soils.

## Nature and Extent of Impact

The soil and groundwater quality investigations included the advancement of boreholes and the instrumentation of the boreholes as groundwater monitoring wells. The investigative locations are shown on **Figure 4**. A summary of the analytical results is presented below.

**Soil Quality** | Based on a review of the soil analytical results, all analyzed parameters had concentrations below the MECP Table 7 Standards. No associated impacts were noted for APEC #5 (Site Diesel Generator/Tank Operations).

**Groundwater Quality** | Based on a review of the groundwater analytical results, all analyzed parameters had concentrations below the MECP Table 7 Standards with the exception of a chloride exceedance at BH17-22 (northwest corner of the Site), assumed to be associated with snow plowing and road salt operations near the intersection of March Road and Terry Fox Drive. No associated impacts were noted for APEC #1 (Adjacent Manufacturing Operations), APEC #2 (Surrounding Dry Cleaning Operations), APEC #3 (Surrounding Historic Landfill), APEC #4 (Surrounding Manufacturing Operations), and APEC #5 (Site Diesel Generator/Tank Operations).

There was no evidence of measurable NAPL during the drilling or groundwater sampling activities.

As described in the Phase One ESA, five APECs were identified for the Site. The Phase Two ESA results indicate that there are no potential impacts to soil and groundwater associated with the APECs.

## Potential Migration Pathways

No preferential migration pathways were identified associated with the results observed.

## Climatic and Meteorological Conditions

The effect of climatic or meteorological conditions (such as the fluctuation of the groundwater table) on the distribution and migration of the contaminants on Site is not considered to be significant.

## Vapour Intrusion

There are no vapour intrusion concerns associated with the Site.

# 7. Conclusions

The objective of the Phase Two ESA activities were to undertake investigations of the general soil and groundwater quality on Site and in the APECs that were identified to be associated with the Site. The Phase Two ESAs included the advancement of boreholes, installation of monitoring wells, field screening, and the collection and laboratory analysis of soil and groundwater samples. Based on the findings of the Phase Two ESA, the following conclusions are provided:

- All analyzed soil parameters had concentrations below the MECP Table 7 Standards. No associated impacts were noted for APEC #5 (Site Diesel Generator/Tank Operations).
- All analyzed groundwater parameters had concentrations below the MECP Table 7 Standards with the exception of a chloride exceedance at BH17-22 (northwest corner of the Site), assumed to be associated with snow plowing and road salt operations near the intersection of March Road and Terry Fox Drive. No associated impacts were noted for APEC #1 (Adjacent Manufacturing Operations), APEC #2 (Surrounding Dry Cleaning Operations), APEC #3 (Surrounding Historic Landfill), APEC #4 (Surrounding Manufacturing Operations), and APEC #5 (Site Diesel Generator/Tank Operations).
- There was no evidence of measurable NAPL during the drilling or groundwater sampling activities.

The Phase Two ESA results indicate that there are no potential impacts to soil and groundwater associated with the APECs.

Based on the May 2022 results, it is recommended that monitoring wells (including the wells deemed dry during the May 2022 investigation) in the northern half of the Property be resampled during future residential planning and when applying for a Record of Site Condition with the MECP. This recommendation is to ensure groundwater monitoring and quality data are up to date.

# Tables

**Sample Key**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Identification	Monitoring Location	Sampling Date	Sample Parameters
<b><u>Soil Samples</u></b>			
S-12566614-042822-DA-001	SS-001	April 28, 2022	BTEX, PHCs
S-12566614-042822-DA-002	SS-002	April 28, 2022	BTEX, PHCs
S-12566614-042822-DA-003	SS-003	April 28, 2022	BTEX, PHCs
S-12566614-042822-DA-004	SS-003 (duplicate)	April 28, 2022	BTEX, PHCs
S-12566614-042822-DA-005	SS-004	April 28, 2022	BTEX, PHCs
<b><u>Groundwater Samples</u></b>			
GW-12566614-051722-NG-001	BH01-22	May 17, 2022	Metals/Inorganics, PAHs, PHCs, VOCs
GW-12566614-051722-NG-002	BH02-22	May 17, 2022	Metals/Inorganics, PAHs, PHCs, VOCs
GW-12566614-051722-NG-003	BH10-22	May 17, 2022	PHCs/BTEX
GW-12566614-051722-NG-004	BH02-22 (duplicate)	May 17, 2022	Metals/Inorganics, PAHs, PHCs, VOCs
GW-12566614-052522-NG-005	BH12-22	May 25, 2022	Metals/Inorganics, PAHs, PHCs, VOCs
GW-12566614-052622-NG-006	BH17-22	May 26, 2022	Metals/Inorganics, PAHs, PHCs, VOCs
GW-12566614-052622-NG-007	BH14-22	May 26, 2022	VOCs
GW-12566614-052622-NG-008	BH11-22	May 26, 2022	Metals/Inorganics, PHCs, VOCs

## Notes:

BTEX – Benzene, toluene, ethylbenzene, and xylene

PAHs – Polycyclic Aromatic Hydrocarbons

PHC – Petroleum Hydrocarbon Fractions F1 to F4

VOCs – Volatile Organic Compounds



**Groundwater Elevations  
Phase Two Environmental Site Assessment  
600 March Road, Ottawa, Ontario**

<b>Well Identification</b>	<b>Grade Elevation (mAMSL)</b>	<b>Well Riser Elevation (mAMSL)</b>	<b>Well Bottom Depth (mBGS)</b>	<b>Well Bottom Elevation (mAMSL)</b>	<b>Static Water Level May 26, 2022 (mBTOR)</b>	<b>Static Water Elevation May 26, 2022 (mAMSL)</b>
BH01-22 (Overburden)	80.18	80.06	3.42	76.75	2.45	77.61
BH02-22	79.72	79.65	8.38	71.33	3.14	76.51
BH03-22	80.71	80.61	2.82	77.88	0.92	79.68
BH06-22	79.61	79.51	3.39	76.22	2.74	76.78
BH10-22	80.43	80.39	3.85	76.58	2.53	77.86
BH11-22	80.21	80.12	8.17	72.04	5.93	74.19
BH12-22	79.60	79.49	7.70	71.90	2.05	77.44
BH13-22	81.95	81.83	6.01	75.94	NA (dry)	NA (dry)
BH14-22	82.19	82.12	6.00	76.20	3.57	78.55
BH15-22	81.94	81.88	6.05	75.89	NA (dry)	NA (dry)
BH16-22	81.49	81.44	6.35	75.14	NA (dry)	NA (dry)
BH17-22	81.48	81.41	5.71	75.77	5.36	76.05

## Notes:

mAMSL - metres above mean sea level

mBGS - metres below ground surface

mBTOR - metres below top of riser

NA - not applicable

**Table 3**  
**Summary of Soil Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location:				SS-001	SS-002	SS-003	SS-003	SS-004
Sample ID:				S-12566614-0428-DA-001	S-12566614-0428-DA-002	S-12566614-0428-DA-003	S-12566614-0428-DA-004	S-12566614-0428-DA-005
Sample Date:				4/28/2022	4/28/2022	4/28/2022	4/28/2022	4/28/2022
Sample Depth:				0.30 mbgs	0.30 mbgs	0.30 mbgs	0.30 mbgs	0.30 mbgs
Sample Type:				Original	Original	Original	Duplicate of SS-003	Original
PID Readings (ppm):				0.0	0.1	0.2	0.2	0.1
Parameters	Units	MECP	MECP					
		Table 7	Table 7					
		Residential	Industrial/ Commercial					
<b>Volatile Organic Compounds</b>								
Benzene	ug/g	0.21	0.32	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068
Ethylbenzene	ug/g	2	9.5	<0.018	<0.018	<0.018	<0.018	<0.018
Toluene	ug/g	2.3	68	<0.080	<0.080	<0.080	<0.080	<0.080
Xylenes (Total)	ug/g	3.1	26	<0.050	<0.19	<0.050	<0.050	<0.050
<b>Petroleum Hydrocarbons Fractions</b>								
PHC F1 (C6-C10)	ug/g	55	55	<5.0	<5.0	<5.0	<5.0	<5.0
PHC F2 (C10-C16)	ug/g	98	230	<10.0	<10.0	<10.0	<10.0	<10.0
PHC F3 (C16-C34)	ug/g	300	1700	<50.0	<50.0	<50.0	<50.0	<50.0
PHC F4 (C34-C50)	ug/g	2800	3300	<50.0	<50.0	<50.0	<50.0	<50.0

Notes:  
 m bgs - metres below ground surface  
 PID - Photoionization Detector (parts per million (PPM))  
 µg/g - microgram per gram  
 <0.0068 - Not detected at the associated detection limit  
**Bold/Border** - Detected concentration exceeds the associated MECP Table 7 Standard  
<sup>(1)</sup> MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (coarse textured soil).

Table 4

**Maximum Soil Parameter Concentrations  
Phase Two Environmental Site Assessment  
600 March Road, Ottawa, Ontario**

Parameters	Units	MECP Table 7 Residential	MECP Table 7 Industrial/ Commercial	Maximum Soil Concentration	Sample Identification	Sample Depth (mBGS)
<b>Volatile Organic Compounds</b>						
Benzene	ug/g	0.21	0.32	ND(0.0068)	ALL	0.3
Ethylbenzene	ug/g	2	9.5	ND(0.018)	ALL	0.3
Toluene	ug/g	2.3	68	ND(0.080)	ALL	0.3
Xylenes (Total)	ug/g	3.1	26	ND(0.05)	ALL	0.3
<b>Petroleum Hydrocarbons Fractions</b>						
PHC F1 (C6-C10)	ug/g	55	55	ND(5.0)	ALL	0.3
PHC F2 (C10-C16)	ug/g	98	230	ND(10.0)	ALL	0.3
PHC F3 (C16-C34)	ug/g	300	1700	ND(50.0)	ALL	0.3
PHC F4 (C34-C50)	ug/g	2800	3300	ND(50.0)	ALL	0.3

## Notes:

mBGS - metres below ground surface

µg/g - microgram per gram

ND (0.020) - Not detected at the associated method detection limit

**Bold/Border** - Detected concentration exceeds the associated MECP Table 7 Standard<sup>(1)</sup> MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (coarse textured soil).

**Table 5**  
**Summary of Groundwater Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location:		BH01-22	BH02-22	BH10-22	BH02-22	BH12-22	BH17-22	BH14-22	BH11-22
Sample ID:		GW-12566614-051722-NG-001	GW-12566614-051722-NG-002	GW-12566614-051722-NG-003	GW-12566614-051722-NG-004	GW-12566614-052522-NG-005	GW-12566614-052622-NG-006	GW-12566614-052622-NG-007	GW-12566614-052622-NG-008
Sample Date:		5/17/2022	5/17/2022	5/17/2022	5/17/2022	5/25/2022	5/26/2022	5/25/2022	5/26/2022
Sample Type:		Original	Original	Original	Duplicate	Original	Original	Original	Original
Stratigraphy		Overburden	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock
Parameters	Units	MECP Table 7 All Property Types							
<b>Physical Tests</b>									
Conductivity	mS/cm	--	2.3	3.42	--	3.39	2.9	7.76	--
pH	-	--	8.11	7.76	--	7.75	7.54	7.84	--
<b>Anions and Nutrients</b>									
Chloride	ug/L	1800000	620000	896000	--	858000	749000	2820000	--
<b>Cyanides</b>									
Cyanide	ug/L	52	<2.0	<2.0	--	<2.0	<2.0	<2.0	--
<b>Dissolved Metals</b>									
Antimony	ug/L	16000	<1.00	<1.00	--	<1.00	<1.00	<1.00	--
Arsenic	ug/L	1500	<1.00	<1.00	--	<1.00	<1.00	<1.00	--
Barium	ug/L	230000	244	216	--	209	129	573	--
Beryllium	ug/L	53	<0.200	<0.200	--	<0.200	<0.200	<0.200	--
Boron	ug/L	360000	<100	<100	--	<100	<100	<100	--
Cadmium	ug/L	2.1	<0.0500	<0.0500	--	<0.0500	<0.0500	0.0799	--
Chromium	ug/L	640	<5.00	<5.00	--	<5.00	<5.00	<5.00	--
Cobalt	ug/L	52	<1.00	<1.00	--	<1.00	1.46	1.23	--
Copper	ug/L	69	<2.00	<2.00	--	<2.00	<2.00	3.75	--
Lead	ug/L	20	<0.500	<0.500	--	<0.500	<0.500	<0.500	--
Mercury	ug/L	0.1	<0.0050	<0.0050	--	<0.0050	<0.0050	<0.0050	--
Molybdenum	ug/L	7300	2.39	1.47	--	1.49	7.98	6.93	--
Nickel	ug/L	390	<5.00	<5.00	--	<5.00	5.87	<5.00	--
Selenium	ug/L	50	<0.500	<0.500	--	<0.500	0.914	0.745	--
Silver	ug/L	1.2	<0.100	<0.100	--	<0.100	<0.100	<0.100	--
Sodium	ug/L	1800000	236000	405000	--	415000	336000	1570000	--
Thallium	ug/L	400	<0.100	<0.100	--	<0.100	<0.100	<0.100	--
Uranium	ug/L	330	4.53	2.18	--	2.2	10.4	10.3	--
Vanadium	ug/L	200	<5.00	<5.00	--	<5.00	<5.00	<5.00	--
Zinc	ug/L	890	<10.0	<10.0	--	<10.0	<10.0	<10.0	--
Hexavalent Chromium	ug/L	110	<0.50	<0.50	--	<0.50	<0.50	<0.50	--
<b>Volatile Organic Compounds</b>									
Acetone	ug/L	100000	<20	<20	--	<20	<20	<20	<20
Benzene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	67000	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
Bromoform	ug/L	5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
Bromomethane	ug/L	0.89	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	ug/L	0.2	<0.20	<0.20	--	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	140	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
Chloroform	ug/L	2	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	65000	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.2	<0.20	<0.20	--	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	150	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	7600	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	3500	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	11	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50

**Table 5**  
**Summary of Groundwater Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location:		BH01-22	BH02-22	BH10-22	BH02-22	BH12-22	BH17-22	BH14-22	BH11-22	
Sample ID:		GW-12566614-051722-NG-001	GW-12566614-051722-NG-002	GW-12566614-051722-NG-003	GW-12566614-051722-NG-004	GW-12566614-052522-NG-005	GW-12566614-052622-NG-006	GW-12566614-052622-NG-007	GW-12566614-052622-NG-008	
Sample Date:		5/17/2022	5/17/2022	5/17/2022	5/17/2022	5/25/2022	5/26/2022	5/25/2022	5/26/2022	
Sample Type:		Original	Original	Original	Duplicate	Original	Original	Original	Original	
Stratigraphy		Overburden	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	
Parameters	Units	MECP Table 7 All Property Types								
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloromethane	ug/L	--	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/L	0.58	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
cis+trans-1,3-Dichloropropylene	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropylene	ug/L	--	<0.30	<0.30	--	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropylene	ug/L	--	<0.30	<0.30	--	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	ug/L	54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexane (n)	ug/L	5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone [MEK]	ug/L	21000	<20	<20	--	<20	<20	<20	<20	<20
Methyl Isobutyl Ketone [MIBK]	ug/L	5200	<20	<20	--	<20	<20	<20	<20	<20
Methyl-Tert-Butyl Ether [MTBE]	ug/L	15	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	ug/L	43	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	320	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	23	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	2000	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	ug/L	0.5	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50
m+p-Xylene	ug/L	--	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene	ug/L	--	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Total Xylenes	ug/L	72	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>Hydrocarbons</b>										
F1 (C6-C10)	ug/L	420	<25	<25	<25	<25	<25	<25	--	<25
F1-BTEX	ug/L	420	<25	<25	<25	<25	<25	<25	--	--
F2 (C10-C16)	ug/L	150	<100	<100	<100	<100	<100	<100	--	--
F2-naphthalene	ug/L	--	<100	<100	--	<100	--	--	--	--
F3 (C16-C34)	ug/L	500	<250	<250	280	<250	<250	<250	--	--
F3-PAH	ug/L	--	<250	<250	--	<250	--	--	--	--
F4 (C34-C50)	ug/L	500	<250	<250	<250	<250	<250	<250	--	--
Total Hydrocarbons (C6-C50)	ug/L	--	<370	<370	<370	<370	<370	<370	--	--
<b>Polycyclic Aromatic Hydrocarbons</b>										
Acenaphthene	ug/L	17	<0.010	<0.010	--	<0.010	0.013	0.045	--	--
Acenaphthylene	ug/L	1	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--
Anthracene	ug/L	1	<0.010	<0.010	--	<0.010	0.04	0.018	--	--
Benz(a)anthracene	ug/L	1.8	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--
Benzo(a)pyrene	ug/L	0.81	<0.0050	<0.0050	--	<0.0050	<0.0050	<0.0050	--	--
Benzo(b+j)fluoranthene	ug/L	0.75	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--
Benzo(g,h,i)perylene	ug/L	0.2	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--
Benzo(k)fluoranthene	ug/L	0.4	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--
Chrysene	ug/L	0.7	0.016	<0.010	--	<0.010	0.012	<0.010	--	--
Dibenz(a,h)anthracene	ug/L	0.4	<0.0050	<0.0050	--	<0.0050	<0.0050	<0.0050	--	--
Fluoranthene	ug/L	44	0.034	<0.010	--	<0.010	0.117	0.048	--	--
Fluorene	ug/L	290	<0.010	<0.010	--	<0.010	0.043	0.074	--	--
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--
1+2-Methylnaphthalene	ug/L	1500	0.015	<0.015	--	<0.015	0.064	0.224	--	--
1-Methylnaphthalene	ug/L	1500	<0.010	<0.010	--	<0.010	0.024	0.144	--	--
2-Methylnaphthalene	ug/L	1500	0.015	<0.010	--	<0.010	0.04	0.08	--	--

**Table 5**  
**Summary of Groundwater Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location:		BH01-22	BH02-22	BH10-22	BH02-22	BH12-22	BH17-22	BH14-22	BH11-22
Sample ID:		GW-12566614-051722-NG-001	GW-12566614-051722-NG-002	GW-12566614-051722-NG-003	GW-12566614-051722-NG-004	GW-12566614-052522-NG-005	GW-12566614-052622-NG-006	GW-12566614-052622-NG-007	GW-12566614-052622-NG-008
Sample Date:		5/17/2022	5/17/2022	5/17/2022	5/17/2022	5/25/2022	5/26/2022	5/25/2022	5/26/2022
Sample Type:		Original	Original	Original	Duplicate	Original	Original	Original	Original
Stratigraphy		Overburden	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock
Parameters	Units	MECP Table 7 All Property Types							
Naphthalene	ug/L	7	<0.050	<0.050	--	<0.050	<0.050	--	--
Phenanthrene	ug/L	380	<0.020	<0.020	--	0.486	0.638	--	--
Pyrene	ug/L	5.7	0.019	<0.010	--	0.108	0.1	--	--

Notes:

µg/L - microgram per litre

<0.0068 - Not detected at the associated detection limit

**Bold/Border** - Detected concentration exceeds the associated MECP Table 7 Standard

<sup>(1)</sup> MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition.

**Maximum Groundwater Parameter Concentrations  
Phase Two Environmental Site Assessment  
600 March Road, Ottawa, Ontario**

<b>Parameters</b>	<b>Units</b>	<b>MECP Table 7 All Property Types</b>	<b>Maximum GW Concentration</b>	<b>Sample Identification</b>
<b>Physical Tests</b>				
Conductivity	mS/cm	--	7.76	BH17-22
pH	-	--	8.11	BH01-22
<b>Anions and Nutrients</b>				
Chloride	ug/L	1800000	<b>2820000</b>	BH17-22
<b>Cyanides</b>				
Cyanide	ug/L	52	<2.0	ALL
<b>Dissolved Metals</b>				
Antimony	ug/L	16000	ND(1.0)	ALL
Arsenic	ug/L	1500	ND(1.0)	ALL
Barium	ug/L	23000	573	BH17-22
Beryllium	ug/L	53	ND(0.200)	ALL
Boron	ug/L	36000	ND(100)	ALL
Cadmium	ug/L	2.1	0.799	BH17-22
Chromium	ug/L	640	ND(5.0)	ALL
Cobalt	ug/L	52	2.78	BH11-22
Copper	ug/L	69	3.75	BH17-22
Lead	ug/L	20	ND(0.500)	ALL
Mercury	ug/L	0.1	ND(0.0050)	ALL
Molybdenum	ug/L	7300	17.4	BH11-22
Nickel	ug/L	390	9.96	BH11-22
Selenium	ug/L	50	0.914	BH12-22
Silver	ug/L	1.2	ND(0.100)	ALL
Sodium	ug/L	1800000	1570000	BH17-22
Thallium	ug/L	400	ND(0.100)	ALL
Uranium	ug/L	330	10.4	BH12-22
Vanadium	ug/L	200	ND(5.0)	ALL
Zinc	ug/L	890	ND(10.0)	ALL
Hexavalent Chromium	ug/L	110	ND(0.50)	ALL
<b>Volatile Organic Compounds</b>				
Acetone	ug/L	100000	ND(0.20)	ALL
Benzene	ug/L	0.5	ND(0.50)	ALL
Bromodichloromethane	ug/L	67000	ND(0.50)	ALL
Bromoform	ug/L	5	ND(0.50)	ALL
Bromomethane	ug/L	0.89	ND(0.50)	ALL
Carbon Tetrachloride	ug/L	0.2	ND(0.20)	ALL
Chlorobenzene	ug/L	140	ND(0.50)	ALL
Chloroform	ug/L	2	ND(0.50)	ALL
Dibromochloromethane	ug/L	65000	ND(0.50)	ALL
1,2-Dibromoethane	ug/L	0.2	ND(0.20)	ALL
1,2-Dichlorobenzene	ug/L	150	ND(0.50)	ALL
1,3-Dichlorobenzene	ug/L	7600	ND(0.50)	ALL
1,4-Dichlorobenzene	ug/L	0.5	ND(0.50)	ALL
Dichlorodifluoromethane	ug/L	3500	ND(0.50)	ALL
1,1-Dichloroethane	ug/L	11	ND(0.50)	ALL
1,2-Dichloroethane	ug/L	0.5	ND(0.50)	ALL
1,1-Dichloroethylene	ug/L	0.5	ND(0.50)	ALL
cis-1,2-Dichloroethylene	ug/L	1.6	ND(0.50)	ALL
trans-1,2-Dichloroethylene	ug/L	1.6	ND(0.50)	ALL
Dichloromethane	ug/L	--	ND(1.0)	ALL
1,2-Dichloropropane	ug/L	0.58	ND(0.50)	ALL
cis+trans-1,3-Dichloropropylene	ug/L	0.5	ND(0.50)	ALL
cis-1,3-Dichloropropylene	ug/L	--	ND(0.30)	ALL
trans-1,3-Dichloropropylene	ug/L	--	ND(0.30)	ALL
Ethylbenzene	ug/L	54	ND(0.50)	ALL



**Maximum Groundwater Parameter Concentrations  
Phase Two Environmental Site Assessment  
600 March Road, Ottawa, Ontario**

<b>Parameters</b>	<b>Units</b>	<b>MECP Table 7 All Property Types</b>	<b>Maximum GW Concentration</b>	<b>Sample Identification</b>
Hexane (n)	ug/L	5	ND(0.50)	ALL
Methyl Ethyl Ketone [MEK]	ug/L	21000	ND(20)	ALL
Methyl Isobutyl Ketone [MIBK]	ug/L	5200	ND(20)	ALL
Methyl-Tert-Butyl Ether [MTBE]	ug/L	15	ND(0.50)	ALL
Styrene	ug/L	43	ND(0.50)	ALL
1,1,1,2-Tetrachloroethane	ug/L	1.1	ND(0.50)	ALL
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND(0.50)	ALL
Tetrachloroethylene	ug/L	0.5	ND(0.50)	ALL
Toluene	ug/L	320	ND(0.50)	ALL
1,1,1-Trichloroethane	ug/L	23	ND(0.50)	ALL
1,1,2-Trichloroethane	ug/L	0.5	ND(0.50)	ALL
Trichloroethylene	ug/L	0.5	ND(0.50)	ALL
Trichlorofluoromethane	ug/L	2000	ND(0.50)	ALL
Vinyl Chloride	ug/L	0.5	ND(0.50)	ALL
m+p-Xylene	ug/L	--	ND(0.40)	ALL
o-Xylene	ug/L	--	ND(0.30)	ALL
Total Xylenes	ug/L	72	ND(0.50)	ALL
Total BTEX	ug/L		ND(1.0)	ALL
<b>Hydrocarbons</b>				
F1 (C6-C10)	ug/L	420	ND(25)	ALL
F1-BTEX	ug/L	420	ND(25)	ALL
F2 (C10-C16)	ug/L	150	ND(100)	ALL
F2-naphthalene	ug/L	--	ND(100)	ALL
F3 (C16-C34)	ug/L	500	280	BH10-22
F3-PAH	ug/L	--	ND(250)	ALL
F4 (C34-C50)	ug/L	500	ND(250)	ALL
Total Hydrocarbons (C6-C50)	ug/L	--	ND(370)	ALL
<b>Polycyclic Aromatic Hydrocarbons</b>				
Acenaphthene	ug/L	17	0.045	BH17-22
Acenaphthylene	ug/L	1	ND(0.010)	ALL
Anthracene	ug/L	1	0.04	BH12-22
Benz(a)anthracene	ug/L	1.8	ND(0.010)	ALL
Benzo(a)pyrene	ug/L	0.81	ND(0.0050)	ALL
Benzo(b+j)fluoranthene	ug/L	0.75	ND(0.010)	ALL
Benzo(g,h,i)perylene	ug/L	0.2	ND(0.010)	ALL
Benzo(k)fluoranthene	ug/L	0.4	ND(0.010)	ALL
Chrysene	ug/L	0.7	0.016	BH01-22
Dibenz(a,h)anthracene	ug/L	0.4	ND(0.0050)	ALL
Fluoranthene	ug/L	44	0.117	BH12-22
Fluorene	ug/L	290	0.074	BH17-22
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	ND(0.010)	ALL
1+2-Methylnaphthalene	ug/L	1500	0.224	BH17-22
1-Methylnaphthalene	ug/L	1500	0.144	BH17-22
2-Methylnaphthalene	ug/L	1500	0.08	BH17-22
Naphthalene	ug/L	7	ND(0.050)	ALL
Phenanthrene	ug/L	380	0.638	BH17-22
Pyrene	ug/L	5.7	0.108	BH12-22

## Notes:

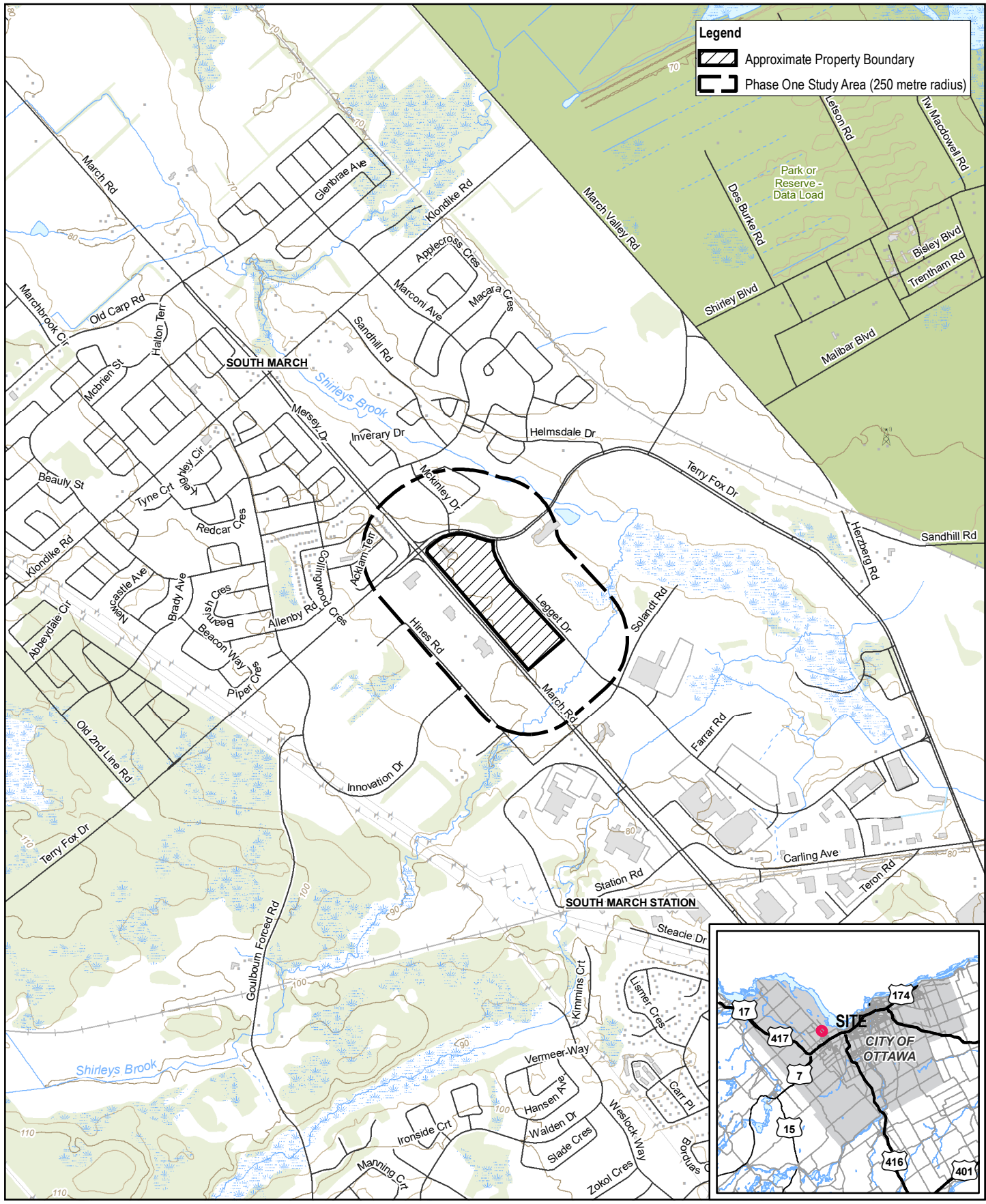
µg/L - microgram per litre

ND (0.020) - Not detected at the associated method detection limit

**Bold/Border** - Detected concentration exceeds the associated MECP Table 7 Standard

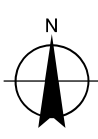
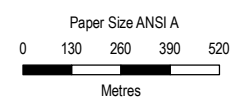
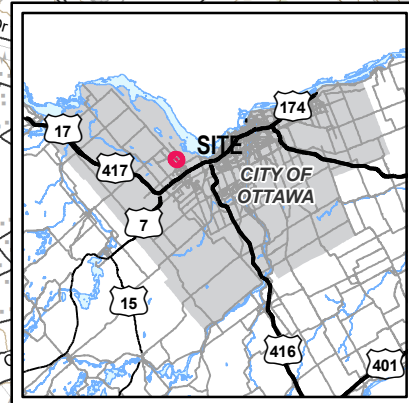
<sup>(1)</sup> MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition.

# Figures



**Legend**

- Approximate Property Boundary
- Phase One Study Area (250 metre radius)



**NOKIA CANADA INC.**  
**600 MARCH ROAD, KANATA (OTTAWA), ONTARIO**  
**PHASE TWO ENVIRONMENTAL SITE ASSESSMENT**

Project No. 12566614  
 Revision No. -  
 Date Jun 20, 2022

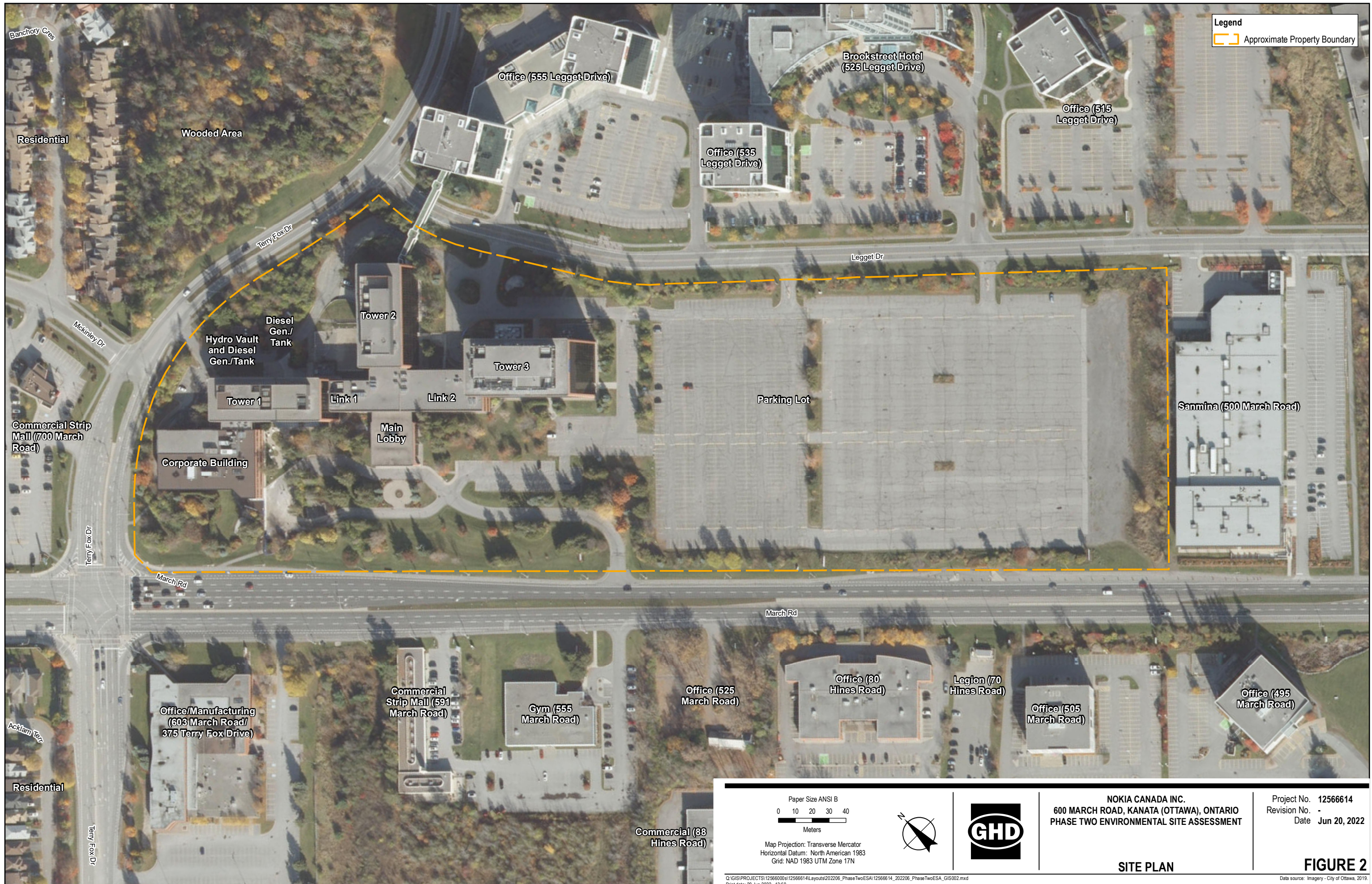
Map Projection: Transverse Mercator  
 Horizontal Datum: North American 1983  
 Grid: NAD 1983 UTM Zone 18N


**SITE LOCATION MAP**

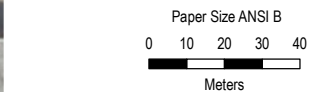
**FIGURE 1**

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 Print date: 20 Jun 2022 - 13:46  
 Data source: MNRF NRVIS, 2018. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry, © Queen's Printer 2022.





**Legend**  
 Approximate Property Boundary



Map Projection: Transverse Mercator  
 Horizontal Datum: North American 1983  
 Grid: NAD 1983 UTM Zone 17N



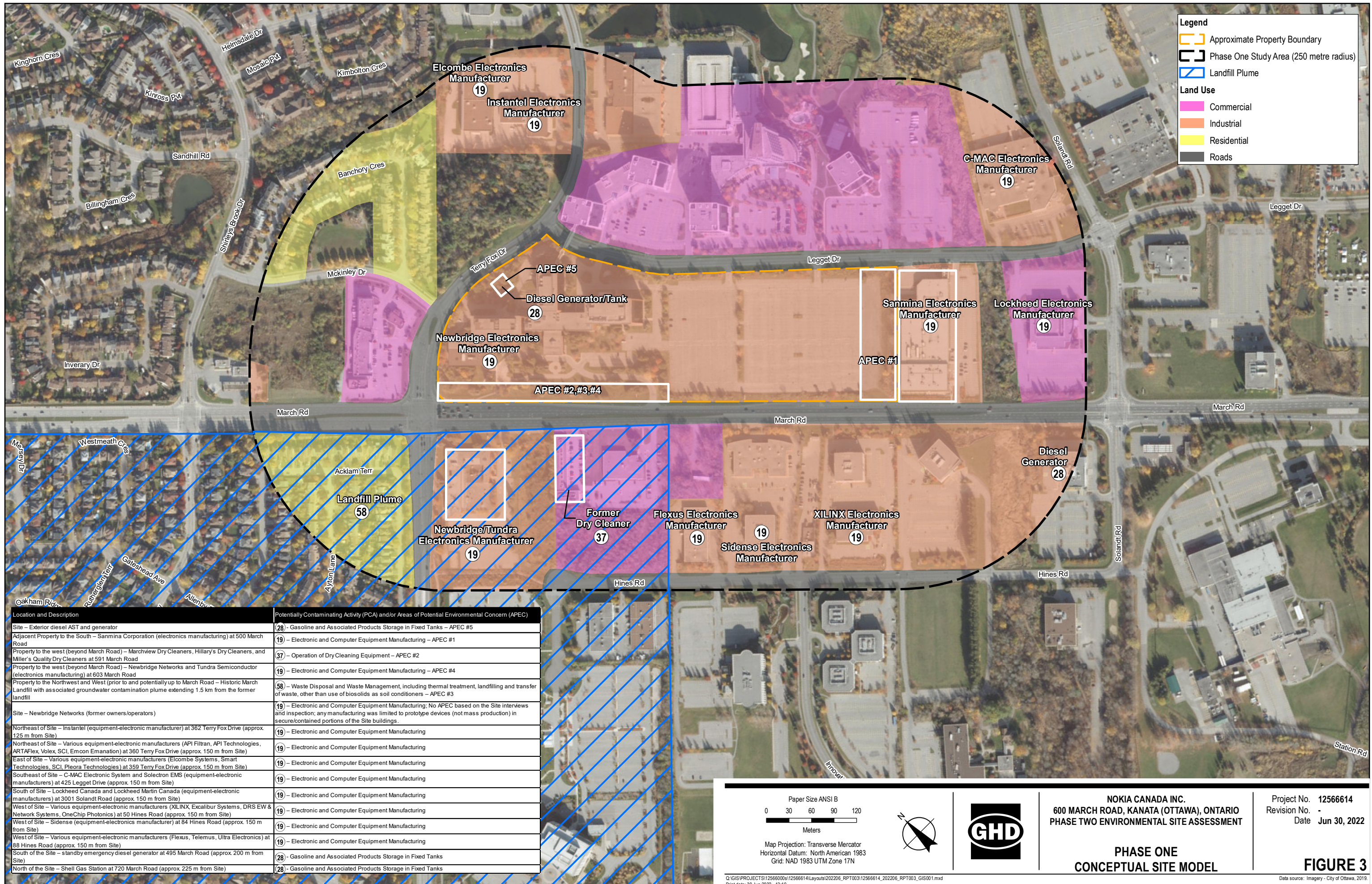
**NOKIA CANADA INC.**  
 600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
 PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

Project No. 12566614  
 Revision No. -  
 Date Jun 20, 2022

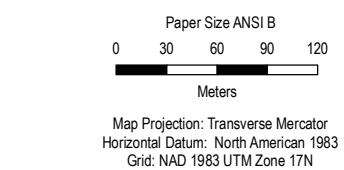
**SITE PLAN**

**FIGURE 2**





Location and Description	Potentially Contaminating Activity (PCA) and/or Areas of Potential Environmental Concern (APEC)
Site - Exterior diesel AST and generator	28 - Gasoline and Associated Products Storage in Fixed Tanks - APEC #5
Adjacent Property to the South - Sanmina Corporation (electronics manufacturing) at 500 March Road	19 - Electronic and Computer Equipment Manufacturing - APEC #1
Property to the west (beyond March Road) - Marchview Dry Cleaners, Hillary's Dry Cleaners, and Miller's Quality Dry Cleaners at 591 March Road	37 - Operation of Dry Cleaning Equipment - APEC #2
Property to the west (beyond March Road) - Newbridge Networks and Tundra Semiconductor (electronics manufacturing) at 603 March Road	19 - Electronic and Computer Equipment Manufacturing - APEC #4
Property to the Northwest and West (prior to and potentially up to March Road - Historic March Landfill with associated groundwater contamination plume extending 1.5 km from the former landfill	58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners - APEC #3
Site - Newbridge Networks (former owners/operators)	19 - Electronic and Computer Equipment Manufacturing; No APEC based on the Site interviews and inspection; any manufacturing was limited to prototype devices (not mass production) in secure/contained portions of the Site buildings.
Northeast of Site - Instantel (equipment-electronic manufacturers) at 362 Terry Fox Drive (approx. 125 m from Site)	19 - Electronic and Computer Equipment Manufacturing
Northeast of Site - Various equipment-electronic manufacturers (API Filtran, API Technologies, ARTAFlex, Volex, SCI, Emcon Emanation) at 360 Terry Fox Drive (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
East of Site - Various equipment-electronic manufacturers (Elcombe Systems, Smart Technologies, SCI, Pleora Technologies) at 359 Terry Fox Drive (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
Southeast of Site - C-MAC Electronic System and Soletron EMS (equipment-electronic manufacturers) at 425 Legget Drive (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
South of Site - Lockheed Canada and Lockheed Martin Canada (equipment-electronic manufacturers) at 3001 Solandt Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
West of Site - Various equipment-electronic manufacturers (XILINX, Excalibur Systems, DRS EW & Network Systems, OneChip Photonics) at 50 Hines Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
West of Site - Sidense (equipment-electronics manufacturer) at 84 Hines Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
West of Site - Various equipment-electronic manufacturers (Flexus, Telemus, Ultra Electronics) at 88 Hines Road (approx. 150 m from Site)	19 - Electronic and Computer Equipment Manufacturing
South of the Site - standby emergency diesel generator at 495 March Road (approx. 200 m from Site)	28 - Gasoline and Associated Products Storage in Fixed Tanks
North of the Site - Shell Gas Station at 720 March Road (approx. 225 m from Site)	28 - Gasoline and Associated Products Storage in Fixed Tanks



**NOKIA CANADA INC.**  
 600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
 PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

Project No. 12566614  
 Revision No. -  
 Date Jun 30, 2022

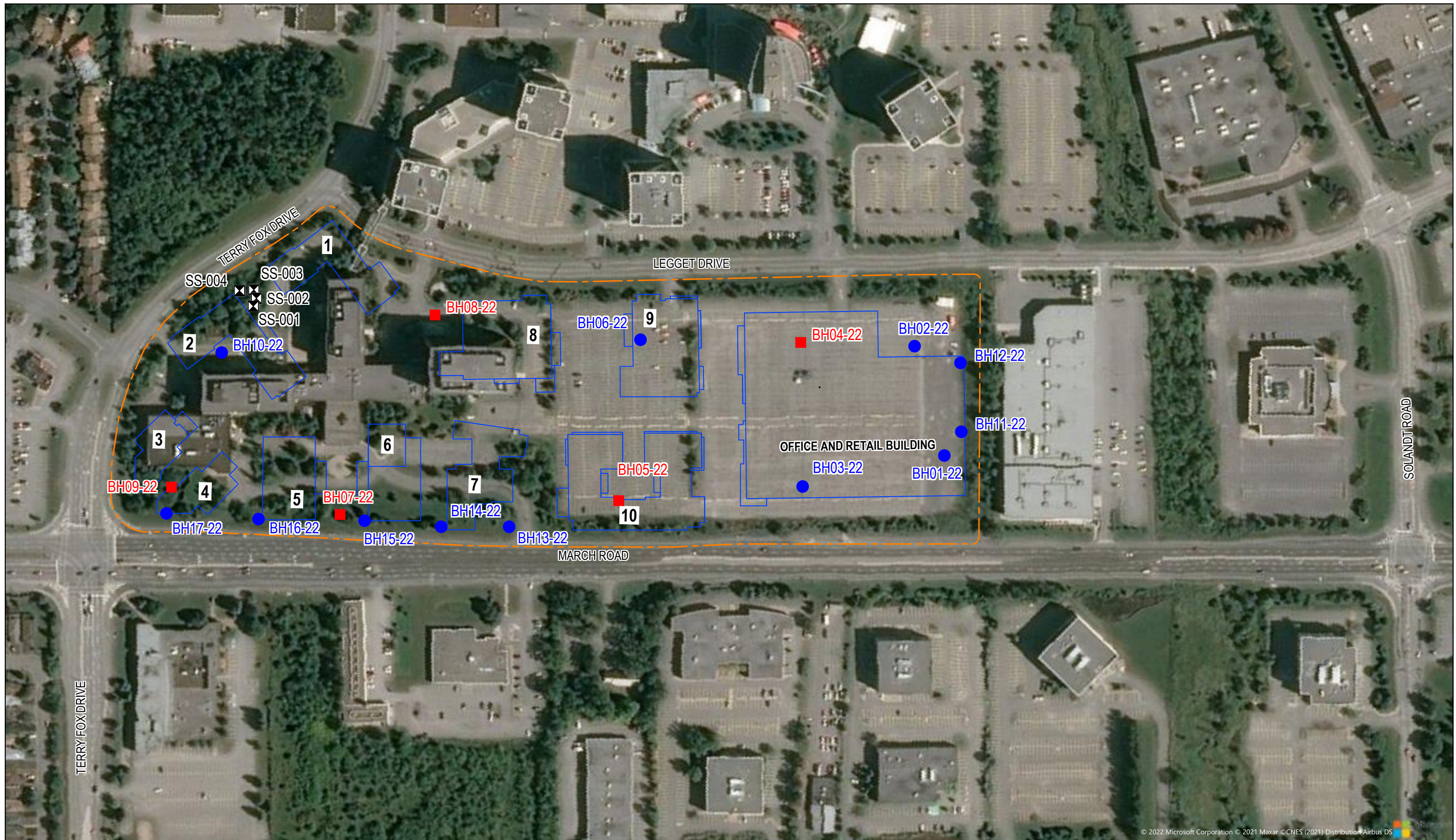
**PHASE ONE  
 CONCEPTUAL SITE MODEL**

**FIGURE 3**

Q:\GIS\PROJECTS\12566600e\12566614\Layouts\202206\_RPT003\12566614\_202206\_RPT003\_GIS001.mxd  
 Print date: 30 Jun 2022 - 13:19

Data source: Imagery - City of Ottawa, 2019.

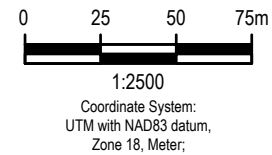




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**LEGEND**

- - - PROPERTY BOUNDARY
  - PROPOSED BUILDING OUTLINE
  - BOREHOLE LOCATION
  - MONITORING WELL
  - X SOIL SAMPLING LOCATION
- 1 BUILDING NUMBER



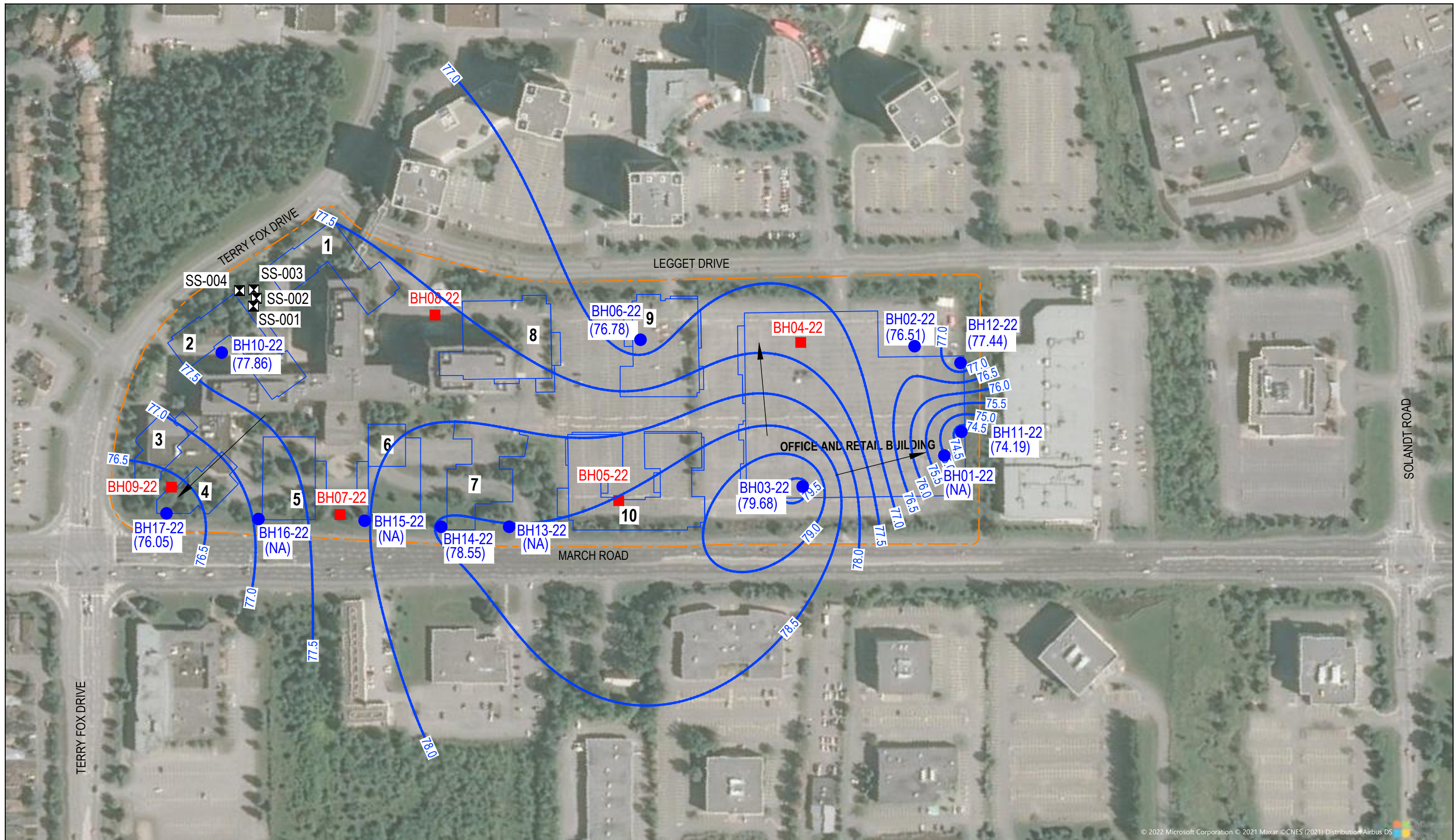
NOKIA CANADA INC.  
600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
PHASE TWO ENVIRONMENTAL  
SITE ASSESSMENT

**BOREHOLE LOCATION PLAN**

Project No. 12566614  
Date June 2022

**FIGURE 4**

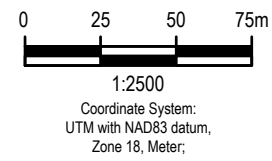




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**LEGEND**

- PROPERTY BOUNDARY
- PROPOSED BUILDING OUTLINE
- BOREHOLE LOCATION
- MONITORING WELL
- ⊠ SOIL SAMPLING LOCATION
- 1 BUILDING NUMBER
- GROUNDWATER POTENTIOMETRIC ELEVATION CONTOURS
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- (76.05) GROUNDWATER ELEVATION (mAMSLL)
- (NA) NOT APPLICABLE



NOKIA CANADA INC.  
 600 MARCH ROAD, KANATA (OTTAWA), ONTARIO  
 PHASE TWO ENVIRONMENTAL  
 SITE ASSESSMENT  
**BEDROCK GROUNDWATER ELEVATIONS  
 AND FLOW DIRECTION**

Project No. 12566614  
 Date June 2022

**FIGURE 5**



# Appendices

# **Appendix A**

## **Borehole Logs**



## Notes on Borehole and Test Pit Reports

### Soil description :

Each subsurface stratum is described using the following terminology. The relative density of granular soils is determined by the Standard Penetration Index ("N" value), while the consistency of clayey sols is measured by the value of undrained shear strength (Cu).

Classification (Unified system)			
Clay	< 0.002 mm		
Silt	0.002 to 0.075 mm		
Sand	0.075 to 4.75 mm	fine	0.075 to 4.25 mm
		medium	0.425 to 2.0 mm
		coarse	2.0 to 4.75 mm
Gravel	4.75 to 75 mm	fine	4.75 to 19 mm
		coarse	19 to 75 mm
Cobbles	75 to 300 mm		
Boulders	>300 mm		

Terminology	
"trace"	1-10%
"some"	10-20%
adjective (silty, sandy)	20-35%
"and"	35-50%

Relative density of granular soils	Standard penetration index "N" value (BLOWS/ft – 300 mm)
Very loose	0-4
Loose	4-10
Compact	10-30
Dense	30-50
Very dense	>50

Consistency of cohesive soils	Undrained shear strength (Cu)	
	(P.S.F)	(kPa)
Very soft	<250	<12
Soft	250-500	12-25
Firm	500-1000	25-50
Stiff	1000-2000	50-100
Very stiff	2000-4000	100-200
Hard	>4000	>200

Rock quality designation	
"RQD" (%) Value	Quality
<25	Very poor
25-50	Poor
50-75	Fair
75-90	Good
>90	Excellent

STRATIGRAPHIC LEGEND			
Sand	Gravel	Cobbles & boulders	Bedrock
Silt	Clay	Organic soil	Fill

### Samples:

#### Type and Number

The type of sample recovered is shown on the log by the abbreviation listed hereafter. The numbering of samples is sequential for each type of sample.

SS: Split spoon

ST: Shelby tube

AG: Auger

SSE, GSE, AGE: Environmental sampling

PS: Piston sample (Osterberg)

RC: Rock core

GS: Grab sample

#### Recovery

The recovery, shown as a percentage, is the ratio of length of the sample obtained to the distance the sampler was driven/pushed into the soil

#### RQD

The "Rock Quality Designation" or "RQD" value, expressed as percentage, is the ratio of the total length of all core fragments of 4 inches (10 cm) or more to the total length of the run.

#### IN-SITU TESTS:

N: Standard penetration index

N<sub>c</sub>: Dynamic cone penetration index

k: Permeability

R: Refusal to penetration

Cu: Undrained shear strength

ABS: Absorption (Packer test)

Pr: Pressure meter

#### LABORATORY TESTS:

I<sub>p</sub>: Plasticity index

H: Hydrometer analysis

A: Atterberg limits

C: Consolidation

O.V.: Organic vapor

W<sub>l</sub>: Liquid limit

GSA: Grain size analysis

w: Water content

CS: Swedish fall cone

W<sub>p</sub>: Plastic limit

y: Unit weight

CHEM: Chemical analysis





**BOREHOLE No.:** BH02-22  
**ELEVATION:** 79.7 m (GEODETIC)

**BOREHOLE REPORT**  
 Page 1 of 2

**CLIENT:** Nokia  
**PROJECT:** Geotechnical Investigation-Nokia Campus Rezoning  
**LOCATION:** 570 and 600 March Road, Ottawa, Ontario  
**DESCRIBED BY:** Dathon Ash **CHECKED BY:** Sahar Soleimani  
**DATE (START):** 31 January 2022 **DATE (FINISH):** 1 February 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ☒ ST - SHELBY TUBE
- ☒ VA - VANE SHEAR
- ☒ AU - AUGER PROBE
- ☒ GS - GRAB SAMPLE
- ▼ - WATER LEVEL

**NORTHING:** 5021805.708 **EASTING:** 428046.309 **ELEVATION:** 79.7

File: \\GHDNET\GHD\CA\OTAWA\PROJECTS\6611\12566614\TECH\GINT LOGS\12566614 LOG.GPJ Library File: 12566614 GHD\_GEOTECH\_V10.GLB Report: 12566614 SOIL LOG Date: 24/3/22

Depth	Elevation (m) BGS	Stratigraphy	DESCRIPTION OF SOIL	State and Type and Number	Gravel Sand Silt Clay	Unconfined Compressive Strength	Recovery/TCR (%)	Moisture Content	Blows per 15cm/ RQD (%)	N <sub>v</sub> Value SCR (%)	PIEZOMETER/ STANDPIPE INSTALLATION									
											"N" Value (blows / 12 in.-30 cm)									
Feet	Metres		GROUND SURFACE		%	MPa	%	%	%	%	10	20	30	40	50	60	70	80	90	
0	0.1	79.6	ASPHALT																	
			FILL - GRAVEL, some sand and silt, grey, moist, dense	GS1																
1	0.5	79.1	CLAY, some silt, trace sand and gravel, greyish brown, moist, stiff																	
2	0.6																			
3	1.0			SS1	2-5-48-45		83.3	29	9-6-7-7	13	●	○	○	○	○	○	○	○	○	○
4																				
5	1.5																			
6																				
7	2.0																			
8	2.4	77.3	DOLOMITIC SANDSTONE, grey, slightly weathered, excellent to fair quality	SS2			0.0	--	50/102mm	50/102mm										
9	2.5			Run1																
10	3.0																			
11			joint, perpendicular to core axis	Run2																
12	3.5																			
13	4.0																			
14			joint, perpendicular to core axis	Run3																
15	4.5																			
16																				

2/3/2022

4.9 m







**BOREHOLE No.:** BH03-22

**ELEVATION:** 80.7 m (GEODETIC)

**BOREHOLE REPORT**

CLIENT: Nokia

PROJECT: Geotechnical Investigation-Nokia Campus Rezoning

LOCATION: 570 and 600 March Road, Ottawa, Ontario

DESCRIBED BY: Dathon Ash CHECKED BY: Sahar Soleimani

DATE (START): 28 January 2022 DATE (FINISH): 31 January 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ☒ ST - SHELBY TUBE
- ☒ VA - VANE SHEAR
- ⊓ AU - AUGER PROBE
- ☒ GS - GRAB SAMPLE
- ▼ - WATER LEVEL

NORTHING: 5021800.342 EASTING: 427921.429 ELEVATION: 80.7

File: \\GHDNET\GHD\CA\OTTAWA\PROJECTS\6611\25666614\TECH\GINT LOGS\12566614\LOG.GPJ Library File: 12566614\GHD\_GEOTECH\_V10.GLB Report: 12566614 SOIL LOG Date: 24/3/22

Depth	Elevation (m) BGS	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Gravel Sand Silt Clay %	Unconfined Compressive Strength MPa	Recovery/TCR (%)	Moisture Content %	Blows per 15cm/RQD (%)	N <sub>v</sub> Value SCR (%)	PIEZOMETER STANDPIPE INSTALLATION										
											△ Undisturbed Vane Value (kPa)	□ Remoulded Field Vane Value (kPa)	△ Number refer to Sensitivity	○ Water content (%)	⊓ Atterberg limits (%)	"N" Value (blows / 12 in.-30 cm)	10	20	30	40	50
GROUND SURFACE																					
0			ASHPHALT									Sand and Concrete 0.2 m									
0.1	80.6		FILL - Sandy GRAVEL, some silt, trace clay, greyish brown, moist, dense	GS1	45-29-18-8			10													
0.5																					
0.6	80.1		Silty CLAY, some sand, trace gravel, greyish brown, moist, stiff									Bentonite									
1.0				SS1	1-28-(71)		95.8	30	4-5-5-5	10											
1.2												1.2 m Sand									
1.4	79.3		DOLOMITIC SANDSTONE, light grey with yellow bands, slightly weathered, excellent quality	Run1			100		100	100		1.5 m 2/3/2022									
1.5												▼									
2.0				Run2			91.1	100		100		Screen									
2.5																					
3.0	77.7		END OF BOREHOLE									3.0 m									
NOTE: 1. Water level at a depth of 1.55 m (Elev. 79.15 m) below ground surface on February 3, 2022.																					







**BOREHOLE No.:** BH06-22  
**ELEVATION:** 79.6 m (GEODETIC)

**BOREHOLE REPORT**

**CLIENT:** Nokia  
**PROJECT:** Geotechnical Investigation-Nokia Campus Rezoning  
**LOCATION:** 570 and 600 March Road, Ottawa, Ontario  
**DESCRIBED BY:** Dathon Ash **CHECKED BY:** Sahar Soleimani  
**DATE (START):** 2 February 2022 **DATE (FINISH):** 2 February 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ☒ ST - SHELBY TUBE
- ☒ VA - VANE SHEAR
- ☒ AU - AUGER PROBE
- ☒ GS - GRAB SAMPLE
- ▼ - WATER LEVEL

**NORTHING:** 5021952.611 **EASTING:** 427924.443 **ELEVATION:** 79.6

File: \\GHDNET\GHD\CA\OTTAWA\PROJECTS\6611\12566614\TECH\GINT LOGS\12566614.GPJ Library File: 12566614.GHD\_GEOTECH\_V10.GLB Report: 12566614 SOIL LOG Date: 24/3/22

Depth	Elevation (m) BGS	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Gravel Sand Silt Clay	Unconfined Compressive Strength	Recovery/TCR (%)	Moisture Content	Blows per 15cm/ RQD (%)	N <sub>v</sub> Value SCR (%)	PIEZOMETER/ STANDPIPE INSTALLATION									
											W <sub>p</sub>	W <sub>L</sub>	"N" Value (blows / 12 in.-30 cm)							
Feet	Metres		GROUND SURFACE		%	MPa	%	%	%	%	10	20	30	40	50	60	70	80	90	
0	0.1	79.5	ASPHALT																	
			FILL - Sandy SILT, some gravel, brown, moist, dense	GS1			--	--	--	--										
1	0.4	79.2	DOLOMITIC SANDSTONE, light grey with yellow bands, fresh, good quality																	
2	0.5																			
3	1.0																			
4	1.5			Run1			97	--	87	97										
5	2.0																			
6	2.5																			
7	3.0																			
8	3.5																			
9	3.6	76.0	END OF BOREHOLE	Run2		94.2	90	--	75	90										
10	4.0																			
11	4.5																			
12																				
13																				
14																				
15																				
16																				

**NOTE:**  
 1. Water level at a depth of 2.86 m (Elev. 79.15 m) below ground surface on February 3, 2022.











**BOREHOLE No.:** BH10-22  
**ELEVATION:** 80.4 m (GEODETIC)

**BOREHOLE REPORT**  
 Page 1 of 1

**CLIENT:** Nokia  
**PROJECT:** Geotechnical Investigation-Nokia Campus Rezoning  
**LOCATION:** 570 and 600 March Road, Ottawa, Ontario  
**DESCRIBED BY:** Dathon Ash **CHECKED BY:** Sahar Soleimani  
**DATE (START):** 2 February 2022 **DATE (FINISH):** 2 February 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ☒ ST - SHELBY TUBE
- ☒ VA - VANE SHEAR
- ☒ AU - AUGER PROBE
- ☒ GS - GRAB SAMPLE
- ▼ - WATER LEVEL

**NORTHING:** 5022166.631 **EASTING:** 427726.321 **ELEVATION:** 80.4

File: \\GHDNET\GHD\CA\OTTA\PROJECTS\6611\2566614\TECH\GINT LOGS\12566614\LOG.GPJ Library File: 12566614\GHD\_GEOTECH\_V10.GLB Report: 12566614 SOIL LOG Date: 24/3/22

Depth	Elevation (m) BGS	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Gravel Sand Silt Clay	Unconfined Compressive Strength	Recovery/TCR (%)	Moisture Content	Blows per 15cm/ RQD (%)	N <sub>v</sub> Value SCR (%)	PIEZOMETER/ STANDPIPE INSTALLATION									
											W <sub>p</sub>	W <sub>L</sub>	"N" Value (blows / 12 in.-30 cm)							
Feet	Metres		GROUND SURFACE		%	MPa	%	%	%	%	10	20	30	40	50	60	70	80	90	
0	0.1	80.3	ASPHALT																	
			FILL - Sandy SILT, some gravel, brown, moist, dense	GS1																
1	0.5																			
2																				
3	0.9	79.5	DOLOMITIC SANDSTONE, slightly weathered, excellent to fair quality	SS1			0.0		50/152mm	50/152 mm										
	1.0		joint, perpendicular to core axis	Run1		113.3	100		81	100										
4																				
5	1.5																			
6																				
7	2.0																			
8	2.5																			
9																				
10	3.0																			
11																				
12	3.5																			
13	4.0	76.3	END OF BOREHOLE	Run3			50		36	50										
	4.1																			
14																				
15	4.5																			
16																				

**NOTE:**  
 1. Water level at a depth of 3.00 m (Elev. 77.43 m) below ground surface on February 3, 2022.



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH11-22  
DATE COMPLETED: 11 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\OTTA\AWA\PROJECTS\66112566614\TECH\INT LOGS\12566614-ENVIRO.GPJ Library File: GHD\_ENVIRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. m AMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	80.21 80.12					
0.5	TOPSOIL, silt with gravel, well graded, brown, trace organics						
1.0	SILTY CLAY, well graded, dark brown, moist	79.60					
2.0	CLAY, well graded, dense, grey-brown, moist	78.07					
3.0	- trace gravel from 3.05 to 3.66m BGS						
4.0	- sand from 3.81 to 4.57m BGS						
4.5	TILL, gravel, trace clay, grey, very moist	75.64					
5.0	BEDROCK	75.48					
6.0							
6.5							

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
STATIC WATER LEVEL ▼ May 26, 2022

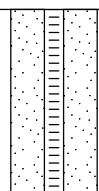


# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH11-22  
DATE COMPLETED: 11 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CAOTTAWA\PROJECTS\12566614\TECH\GINT\LOGS\12566614-ENV\RO.GPJ Library File: GHD\_ENV\RO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
7.5							
8.0	END OF BOREHOLE @ 7.92m BGS	72.28					
8.5							
9.0							
9.5							
10.0							
10.5							
11.0							
11.5							
12.0							
12.5							
13.0							
13.5							

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
STATIC WATER LEVEL ▼ May 26, 2022



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH12-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\OTTA\AWA\PROJECTS\12566614\TECH\GINT\LOGS\12566614-ENVIRO.GPJ Library File: GHD\_ENVIRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	79.60 79.49					
0.5	TOPSOIL, silt, trace sand, trace gravel, loose, dark brown, organics		Sand				
1.0	SILTY CLAY, trace sand, well graded, dense, grey-brown, organics	78.99	Bentonite				
2.0							
2.5							
3.0	CLAYEY SAND, trace till and gravel, brown, moist	76.55					
3.5							
4.0	TILL, trace silty clay, dense, grey, moist	75.79					
4.5	BEDROCK	75.18	Sand Pack Well Screen				
5.0							
5.5							
6.0							
6.5							

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
STATIC WATER LEVEL ▼ May 26, 2022

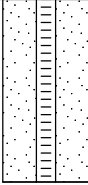


# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH12-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CAOTTAWA\PROJECTS\12566614\TECH\GINT\_LOGS\12566614-ENV\RO.GPJ Library File: GHD\_ENV\RO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
7.5							
8.0	END OF BOREHOLE @ 7.92m BGS	71.67					
8.5							
9.0							
9.5							
10.0							
10.5							
11.0							
11.5							
12.0							
12.5							
13.0							
13.5							

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
STATIC WATER LEVEL ▼ May 26, 2022



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH13-22  
DATE COMPLETED: 11 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\TAWA\PROJECTS\66112566614\TECH\GINT LOGS\12566614-ENV\RO.GPJ Library File: GHD\_ENV\RO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	81.95 81.83					
0.5	TOPSOIL, silty sand, poorly graded, trace gravel, brown, organics						
1.0	SANDY SILT, poorly graded, trace till and topsoil, dark brown, trace organics	81.34					
1.5	BEDROCK	80.58					
2.0							
2.5							
3.0							
3.5							
4.0							
4.5							
5.0							
5.5							
6.0							
6.5	END OF BOREHOLE @ 6.40m BGS  Note: Borehole dry upon completion of drilling	75.55	<p><u>WELL DETAILS</u> Screened interval: 78.60 to 75.55mAMSL 3.35 to 6.40m BGS</p>				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE





# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH13-22  
DATE COMPLETED: 11 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CAOTTAWA\PROJECTS\66112566614\TECH\GINT LOGS\12566614-ENV\IRO.GPJ Library File: GHD\_ENV\IRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">7.5</div> <div style="margin-bottom: 5px;">8.0</div> <div style="margin-bottom: 5px;">8.5</div> <div style="margin-bottom: 5px;">9.0</div> <div style="margin-bottom: 5px;">9.5</div> <div style="margin-bottom: 5px;">10.0</div> <div style="margin-bottom: 5px;">10.5</div> <div style="margin-bottom: 5px;">11.0</div> <div style="margin-bottom: 5px;">11.5</div> <div style="margin-bottom: 5px;">12.0</div> <div style="margin-bottom: 5px;">12.5</div> <div style="margin-bottom: 5px;">13.0</div> <div style="margin-bottom: 5px;">13.5</div> </div>			Length: 3.05m Diameter: 51mm Slot Size: #10 Material: PVC Sand Pack: 79.21 to 75.55mAMSL 2.74 to 6.40m BGS Material: Silica				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH14-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\OTTA\AWA\PROJECTS\6614\TECH\GINT LOGS\12566614-ENVIRO.GPJ Library File: GHD\_ENVIRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	82.19 82.12					
0.5	TOPSOIL, organics, very little recovery						
1.0	CLAYEY SILT, well graded, trace gravel, brown, organics	81.58					
1.5	BEDROCK, fractured rock	80.97					
2.0							
2.5							
3.0							
3.5							
4.0							
4.5							
5.0							
5.5							
6.0							
6.5	END OF BOREHOLE @ 6.10m BGS	76.09					
7.0							
7.5							

**WELL DETAILS**  
 Screened interval:  
 79.14 to 76.09mAMSL  
 3.05 to 6.10m BGS  
 Length: 3.05m  
 Diameter: 51mm  
 Slot Size: #10  
 Material: PVC  
 Sand Pack:  
 79.45 to 76.09mAMSL  
 2.74 to 6.10m BGS  
 Material: Silica

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 STATIC WATER LEVEL ▼ May 26, 2022



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH15-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\OTTA\AWA\PROJECTS\6614\TECH\GINT LOGS\12566614-ENVIRO.GPJ Library File: GHD\_ENVIRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	81.94 81.88					
0.5	TOPSOIL, well graded, brown, organics, very little recovery						
1.0	SANDY SILT, topsoil, well graded, trace clay, dark brown	81.33					
1.5	BEDROCK	80.72					
2.0							
2.5							
3.0							
3.5							
4.0							
4.5							
5.0							
5.5							
6.0							
6.5	END OF BOREHOLE @ 6.10m BGS	75.84					
7.0	Note: Borehole dry upon completion of drilling						
7.5							

**WELL DETAILS**  
 Screened interval:  
 78.89 to 75.84mAMSL  
 3.05 to 6.10m BGS  
 Length: 3.05m  
 Diameter: 51mm  
 Slot Size: #10  
 Material: PVC  
 Sand Pack:  
 79.20 to 75.84mAMSL  
 2.74 to 6.10m BGS  
 Material: Silica

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
 PROJECT NUMBER: 12566614  
 CLIENT: Nokia Canada Inc.  
 LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH16-22  
 DATE COMPLETED: 12 May 2022  
 DRILLING METHOD: Auger/Air hammer  
 FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\OTAWA\PROJECTS\66112566614\TECH\GINT\LOGS\12566614-ENVIRO.GPJ Library File: GHD\_ENVIRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	81.49 81.44					
0.5	TOPSOIL, trace sand, loose, brown, organics						
1.0	BEDROCK	80.57					
1.5							
2.0							
2.5							
3.0							
3.5							
4.0							
4.5							
5.0							
5.5							
6.0	END OF BOREHOLE @ 6.10m BGS	75.39					
6.5	Note: Borehole dry upon completion of drilling						

**WELL DETAILS**  
 Screened interval:  
 78.44 to 75.39mAMSL  
 3.05 to 6.10m BGS  
 Length: 3.05m  
 Diameter: 51mm  
 Slot Size: #10

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH16-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CAOTTAWA\PROJECTS\66112566614\TECH\IGNIT\LOGS\12566614-ENV\IRO.GPJ Library File: GHD\_ENV\IRO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">7.5</div> <div style="margin-bottom: 5px;">8.0</div> <div style="margin-bottom: 5px;">8.5</div> <div style="margin-bottom: 5px;">9.0</div> <div style="margin-bottom: 5px;">9.5</div> <div style="margin-bottom: 5px;">10.0</div> <div style="margin-bottom: 5px;">10.5</div> <div style="margin-bottom: 5px;">11.0</div> <div style="margin-bottom: 5px;">11.5</div> <div style="margin-bottom: 5px;">12.0</div> <div style="margin-bottom: 5px;">12.5</div> <div style="margin-bottom: 5px;">13.0</div> <div style="margin-bottom: 5px;">13.5</div> </div>			Material: PVC Sand Pack: 78.75 to 75.39mAMSL 2.74 to 6.10m BGS Material: Silica				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH17-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

File: \\GHDNET\GHD\CA\T\AWA\PROJECTS\66112566614\TECH\GINT\LOGS\12566614-ENV\RO.GPJ Library File: GHD\_ENV\RO\_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
	GROUND SURFACE TOP OF RISER	81.48 81.41					
0.5	TOPSOIL, silty, trace sand, trace gravel, loose, dark brown, organics						
1.0	TILL, trace sand, slight orange tint BEDROCK	80.63 80.56					
6.0	END OF BOREHOLE @ 6.10m BGS	75.38					
6.5			<p><u>WELL DETAILS</u> Screened interval: 78.43 to 75.38mAMSL 3.05 to 6.10m BGS Length: 3.05m Diameter: 51mm Slot Size: #10</p>				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
STATIC WATER LEVEL ▼ May 26, 2022



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME:  
PROJECT NUMBER: 12566614  
CLIENT: Nokia Canada Inc.  
LOCATION: 600 March Road, Ottawa, Ontario

HOLE DESIGNATION: BH17-22  
DATE COMPLETED: 12 May 2022  
DRILLING METHOD: Auger/Air hammer  
FIELD PERSONNEL: N. Gupta

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. mAMSL	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' Value
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px; margin-bottom: 5px;">File: \\GHDNET\GHD\CAOTTAWA\PROJECTS\66112566614\TECH\GINT\LOGS\12566614-ENV\RO.GPJ Library File: GHD_ENV\RO_V04.GLB Report: OVERBURDEN LOG Date: 30/6/22</div> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">7.5</div> <div style="margin-bottom: 5px;">8.0</div> <div style="margin-bottom: 5px;">8.5</div> <div style="margin-bottom: 5px;">9.0</div> <div style="margin-bottom: 5px;">9.5</div> <div style="margin-bottom: 5px;">10.0</div> <div style="margin-bottom: 5px;">10.5</div> <div style="margin-bottom: 5px;">11.0</div> <div style="margin-bottom: 5px;">11.5</div> <div style="margin-bottom: 5px;">12.0</div> <div style="margin-bottom: 5px;">12.5</div> <div style="margin-bottom: 5px;">13.0</div> <div style="margin-bottom: 5px;">13.5</div> </div> </div>			Material: PVC Sand Pack: 78.74 to 75.38mAMSL 2.74 to 6.10m BGS Material: Silica				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 STATIC WATER LEVEL ▼ May 26, 2022



# **Appendix B**

**Laboratory Certificates of Analysis**



GHD Limited (Waterloo)  
ATTN: Pascal Renella  
455 PHILLIP STREET  
WATERLOO ON N2L 3X2

Date Received: 28-APR-22  
Report Date: 03-MAY-22 13:17 (MT)  
Version: FINAL

Client Phone: 519-884-0510

## Certificate of Analysis

**Lab Work Order #:** L2702132  
Project P.O. #: NOT SUBMITTED  
Job Reference: 12566614  
C of C Numbers: 20-1009502  
Legal Site Desc:

Rick Hawthorne  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2702132-1 S-12566614-042822-DA-001 Sampled By: CLIENT on 28-APR-22 @ 10:00 Matrix: SOIL							
<b>Physical Tests</b>							
% Moisture	34.4		0.25	%	30-APR-22	01-MAY-22	R5770108
<b>Volatile Organic Compounds</b>							
Benzene	<0.0068		0.0068	ug/g	02-MAY-22	03-MAY-22	R5770503
Ethylbenzene	<0.018		0.018	ug/g	02-MAY-22	03-MAY-22	R5770503
Toluene	<0.080		0.080	ug/g	02-MAY-22	03-MAY-22	R5770503
o-Xylene	<0.020		0.020	ug/g	02-MAY-22	03-MAY-22	R5770503
m+p-Xylenes	<0.030		0.030	ug/g	02-MAY-22	03-MAY-22	R5770503
Xylenes (Total)	<0.050		0.050	ug/g		02-MAY-22	
Surrogate: 4-Bromofluorobenzene	97.1		50-140	%	02-MAY-22	03-MAY-22	R5770503
Surrogate: 1,4-Difluorobenzene	102.1		50-140	%	02-MAY-22	03-MAY-22	R5770503
<b>Hydrocarbons</b>							
F1 (C6-C10)	<5.0		5.0	ug/g	02-MAY-22	03-MAY-22	R5770503
F1-BTEX	<5.0		5.0	ug/g		02-MAY-22	
F2 (C10-C16)	<10		10	ug/g	29-APR-22	02-MAY-22	R5770400
F3 (C16-C34)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
F4 (C34-C50)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
Total Hydrocarbons (C6-C50)	<72		72	ug/g		02-MAY-22	
Chrom. to baseline at nC50	YES				29-APR-22	02-MAY-22	R5770400
Surrogate: 2-Bromobenzotrifluoride	89.4		60-140	%	29-APR-22	02-MAY-22	R5770400
Surrogate: 3,4-Dichlorotoluene	82.5		60-140	%	02-MAY-22	03-MAY-22	R5770503
L2702132-2 S-12566614-042822-DA-002 Sampled By: CLIENT on 28-APR-22 @ 10:15 Matrix: SOIL							
<b>Physical Tests</b>							
% Moisture	26.5		0.25	%	30-APR-22	01-MAY-22	R5770108
<b>Volatile Organic Compounds</b>							
Benzene	<0.0068		0.0068	ug/g	02-MAY-22	03-MAY-22	R5770503
Ethylbenzene	<0.018		0.018	ug/g	02-MAY-22	03-MAY-22	R5770503
Toluene	<0.080		0.080	ug/g	02-MAY-22	03-MAY-22	R5770503
o-Xylene	<0.19	DLQ	0.19	ug/g	02-MAY-22	03-MAY-22	R5770503
m+p-Xylenes	<0.030		0.030	ug/g	02-MAY-22	03-MAY-22	R5770503
Xylenes (Total)	<0.19		0.19	ug/g		03-MAY-22	
Surrogate: 4-Bromofluorobenzene	106.2		50-140	%	02-MAY-22	03-MAY-22	R5770503
Surrogate: 1,4-Difluorobenzene	103.8		50-140	%	02-MAY-22	03-MAY-22	R5770503
<b>Hydrocarbons</b>							
F1 (C6-C10)	<5.0		5.0	ug/g	02-MAY-22	03-MAY-22	R5770503
F1-BTEX	<5.0		5.0	ug/g		03-MAY-22	
F2 (C10-C16)	<10		10	ug/g	29-APR-22	02-MAY-22	R5770400
F3 (C16-C34)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
F4 (C34-C50)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
Total Hydrocarbons (C6-C50)	<72		72	ug/g		03-MAY-22	
Chrom. to baseline at nC50	YES				29-APR-22	02-MAY-22	R5770400

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2702132-2 S-12566614-042822-DA-002 Sampled By: CLIENT on 28-APR-22 @ 10:15 Matrix: SOIL							
<b>Hydrocarbons</b>							
Surrogate: 2-Bromobenzotrifluoride	88.5		60-140	%	29-APR-22	02-MAY-22	R5770400
Surrogate: 3,4-Dichlorotoluene	91.4		60-140	%	02-MAY-22	03-MAY-22	R5770503
L2702132-3 S-12566614-042822-DA-003 Sampled By: CLIENT on 28-APR-22 @ 10:30 Matrix: SOIL							
<b>Physical Tests</b>							
% Moisture	21.4		0.25	%	30-APR-22	01-MAY-22	R5770108
<b>Volatile Organic Compounds</b>							
Benzene	<0.0068		0.0068	ug/g	02-MAY-22	03-MAY-22	R5770503
Ethylbenzene	<0.018		0.018	ug/g	02-MAY-22	03-MAY-22	R5770503
Toluene	<0.080		0.080	ug/g	02-MAY-22	03-MAY-22	R5770503
o-Xylene	<0.020		0.020	ug/g	02-MAY-22	03-MAY-22	R5770503
m+p-Xylenes	<0.030		0.030	ug/g	02-MAY-22	03-MAY-22	R5770503
Xylenes (Total)	<0.050		0.050	ug/g		02-MAY-22	
Surrogate: 4-Bromofluorobenzene	105.0		50-140	%	02-MAY-22	03-MAY-22	R5770503
Surrogate: 1,4-Difluorobenzene	111.4		50-140	%	02-MAY-22	03-MAY-22	R5770503
<b>Hydrocarbons</b>							
F1 (C6-C10)	<5.0		5.0	ug/g	02-MAY-22	03-MAY-22	R5770503
F1-BTEX	<5.0		5.0	ug/g		02-MAY-22	
F2 (C10-C16)	<10		10	ug/g	29-APR-22	02-MAY-22	R5770400
F3 (C16-C34)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
F4 (C34-C50)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
Total Hydrocarbons (C6-C50)	<72		72	ug/g		02-MAY-22	
Chrom. to baseline at nC50	YES				29-APR-22	02-MAY-22	R5770400
Surrogate: 2-Bromobenzotrifluoride	86.2		60-140	%	29-APR-22	02-MAY-22	R5770400
Surrogate: 3,4-Dichlorotoluene	94.3		60-140	%	02-MAY-22	03-MAY-22	R5770503
L2702132-4 S-12566614-042822-DA-004 Sampled By: CLIENT on 28-APR-22 @ 10:40 Matrix: SOIL							
<b>Physical Tests</b>							
% Moisture	19.3		0.25	%	30-APR-22	01-MAY-22	R5770108
<b>Volatile Organic Compounds</b>							
Benzene	<0.0068		0.0068	ug/g	02-MAY-22	03-MAY-22	R5770503
Ethylbenzene	<0.018		0.018	ug/g	02-MAY-22	03-MAY-22	R5770503
Toluene	<0.080		0.080	ug/g	02-MAY-22	03-MAY-22	R5770503
o-Xylene	<0.020		0.020	ug/g	02-MAY-22	03-MAY-22	R5770503
m+p-Xylenes	<0.030		0.030	ug/g	02-MAY-22	03-MAY-22	R5770503
Xylenes (Total)	<0.050		0.050	ug/g		02-MAY-22	
Surrogate: 4-Bromofluorobenzene	104.6		50-140	%	02-MAY-22	03-MAY-22	R5770503
Surrogate: 1,4-Difluorobenzene	107.3		50-140	%	02-MAY-22	03-MAY-22	R5770503
<b>Hydrocarbons</b>							
F1 (C6-C10)	<5.0		5.0	ug/g	02-MAY-22	03-MAY-22	R5770503
F1-BTEX	<5.0		5.0	ug/g		02-MAY-22	

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2702132-4 S-12566614-042822-DA-004 Sampled By: CLIENT on 28-APR-22 @ 10:40 Matrix: SOIL							
<b>Hydrocarbons</b>							
F2 (C10-C16)	<10		10	ug/g	29-APR-22	02-MAY-22	R5770400
F3 (C16-C34)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
F4 (C34-C50)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
Total Hydrocarbons (C6-C50)	<72		72	ug/g		02-MAY-22	
Chrom. to baseline at nC50	YES				29-APR-22	02-MAY-22	R5770400
Surrogate: 2-Bromobenzotrifluoride	89.5		60-140	%	29-APR-22	02-MAY-22	R5770400
Surrogate: 3,4-Dichlorotoluene	79.0		60-140	%	02-MAY-22	03-MAY-22	R5770503
L2702132-5 S-12566614-042822-DA-005 Sampled By: CLIENT on 28-APR-22 @ 10:50 Matrix: SOIL							
<b>Physical Tests</b>							
% Moisture	28.4		0.25	%	30-APR-22	01-MAY-22	R5770108
<b>Volatile Organic Compounds</b>							
Benzene	<0.0068		0.0068	ug/g	02-MAY-22	03-MAY-22	R5770503
Ethylbenzene	<0.018		0.018	ug/g	02-MAY-22	03-MAY-22	R5770503
Toluene	<0.080		0.080	ug/g	02-MAY-22	03-MAY-22	R5770503
o-Xylene	<0.020		0.020	ug/g	02-MAY-22	03-MAY-22	R5770503
m+p-Xylenes	<0.030		0.030	ug/g	02-MAY-22	03-MAY-22	R5770503
Xylenes (Total)	<0.050		0.050	ug/g		02-MAY-22	
Surrogate: 4-Bromofluorobenzene	101.4		50-140	%	02-MAY-22	03-MAY-22	R5770503
Surrogate: 1,4-Difluorobenzene	104.5		50-140	%	02-MAY-22	03-MAY-22	R5770503
<b>Hydrocarbons</b>							
F1 (C6-C10)	<5.0		5.0	ug/g	02-MAY-22	03-MAY-22	R5770503
F1-BTEX	<5.0		5.0	ug/g		02-MAY-22	
F2 (C10-C16)	<10		10	ug/g	29-APR-22	02-MAY-22	R5770400
F3 (C16-C34)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
F4 (C34-C50)	<50		50	ug/g	29-APR-22	02-MAY-22	R5770400
Total Hydrocarbons (C6-C50)	<72		72	ug/g		02-MAY-22	
Chrom. to baseline at nC50	YES				29-APR-22	02-MAY-22	R5770400
Surrogate: 2-Bromobenzotrifluoride	86.6		60-140	%	29-APR-22	02-MAY-22	R5770400
Surrogate: 3,4-Dichlorotoluene	81.8		60-140	%	02-MAY-22	03-MAY-22	R5770503

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## Reference Information

### Sample Parameter Qualifier key listed:

Qualifier	Description
DLQ	Detection Limit raised due to co-eluting interference. GCMS qualifier ion ratio did not meet acceptance criteria.

### Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BTX-511-HS-WT	Soil	BTEX-O.Reg 153/04 (July 2011)	SW846 8260

BTX is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Soil	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
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Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT	Soil	F2-F4-O.Reg 153/04 (July 2011)	CCME Tier 1
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Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, & F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.

#### Notes:

1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.
7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.
8. This method is validated for use.
9. Data from analysis of validation and quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

MOISTURE-WT	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
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## Reference Information

XYLENES-SUM-CALC- Soil Sum of Xylene Isomer CALCULATION  
WT Concentrations

Total xylenes represents the sum of o-xylene and m&p-xylene.

\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

*The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:*

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

### Chain of Custody Numbers:

20-1009502

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid weight of sample*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*





## Quality Control Report

Workorder: L2702132

Report Date: 03-MAY-22

Page 1 of 3

Client: GHD Limited (Waterloo)  
455 PHILLIP STREET  
WATERLOO ON N2L 3X2

Contact: Pascal Renella

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>BTX-511-HS-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R5770503</b>							
<b>WG3722340-4</b>	<b>DUP</b>	<b>WG3722340-3</b>						
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	03-MAY-22
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	03-MAY-22
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	03-MAY-22
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	03-MAY-22
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	03-MAY-22
<b>WG3722340-2</b>	<b>LCS</b>							
Benzene			100.0		%		70-130	02-MAY-22
Ethylbenzene			92.0		%		70-130	02-MAY-22
m+p-Xylenes			96.5		%		70-130	02-MAY-22
o-Xylene			93.1		%		70-130	02-MAY-22
Toluene			96.8		%		70-130	02-MAY-22
<b>WG3722340-1</b>	<b>MB</b>							
Benzene			<0.0068		ug/g		0.0068	02-MAY-22
Ethylbenzene			<0.018		ug/g		0.018	02-MAY-22
m+p-Xylenes			<0.030		ug/g		0.03	02-MAY-22
o-Xylene			<0.020		ug/g		0.02	02-MAY-22
Toluene			<0.080		ug/g		0.08	02-MAY-22
Surrogate: 1,4-Difluorobenzene			115.1		%		50-140	02-MAY-22
Surrogate: 4-Bromofluorobenzene			111.8		%		50-140	02-MAY-22
<b>WG3722340-5</b>	<b>MS</b>	<b>WG3722340-3</b>						
Benzene			109.4		%		60-140	03-MAY-22
Ethylbenzene			98.3		%		60-140	03-MAY-22
m+p-Xylenes			103.3		%		60-140	03-MAY-22
o-Xylene			100.3		%		60-140	03-MAY-22
Toluene			105.2		%		60-140	03-MAY-22
<b>F1-HS-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R5770503</b>							
<b>WG3722340-4</b>	<b>DUP</b>	<b>WG3722340-3</b>						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	03-MAY-22
<b>WG3722340-2</b>	<b>LCS</b>							
F1 (C6-C10)			95.5		%		80-120	02-MAY-22
<b>WG3722340-1</b>	<b>MB</b>							
F1 (C6-C10)			<5.0		ug/g		5	02-MAY-22
Surrogate: 3,4-Dichlorotoluene			101.7		%		60-140	02-MAY-22
<b>WG3722340-5</b>	<b>MS</b>	<b>WG3722340-3</b>						



### Quality Control Report

Workorder: L2702132

Report Date: 03-MAY-22

Page 2 of 3

Client: GHD Limited (Waterloo)  
455 PHILLIP STREET  
WATERLOO ON N2L 3X2

Contact: Pascal Renella

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F1-HS-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R5770503</b>							
<b>WG3722340-5</b>	<b>MS</b>	<b>WG3722340-3</b>						
F1 (C6-C10)			99.8		%		60-140	03-MAY-22
<b>F2-F4-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R5770400</b>							
<b>WG3722066-3</b>	<b>DUP</b>	<b>WG3722066-5</b>						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	02-MAY-22
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	02-MAY-22
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	02-MAY-22
<b>WG3722066-2</b>	<b>LCS</b>							
F2 (C10-C16)			98.0		%		70-130	02-MAY-22
F3 (C16-C34)			96.4		%		70-130	02-MAY-22
F4 (C34-C50)			104.5		%		70-130	02-MAY-22
<b>WG3722066-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	02-MAY-22
F3 (C16-C34)			<50		ug/g		50	02-MAY-22
F4 (C34-C50)			<50		ug/g		50	02-MAY-22
Surrogate: 2-Bromobenzotrifluoride			93.3		%		60-140	02-MAY-22
<b>WG3722066-4</b>	<b>MS</b>	<b>WG3722066-5</b>						
F2 (C10-C16)			96.2		%		60-140	02-MAY-22
F3 (C16-C34)			96.5		%		60-140	02-MAY-22
F4 (C34-C50)			105.6		%		60-140	02-MAY-22
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R5770108</b>							
<b>WG3722197-4</b>	<b>DUP</b>	<b>L2702449-22</b>						
% Moisture		19.8	20.6		%	4.1	20	01-MAY-22
<b>WG3722197-2</b>	<b>LCS</b>							
% Moisture			100.4		%		90-110	01-MAY-22
<b>WG3722197-1</b>	<b>MB</b>							
% Moisture			<0.25		%		0.25	01-MAY-22

# Quality Control Report

Workorder: L2702132

Report Date: 03-MAY-22

Client: GHD Limited (Waterloo)  
455 PHILLIP STREET  
WATERLOO ON N2L 3X2

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Contact: Pascal Renella

## Legend:

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Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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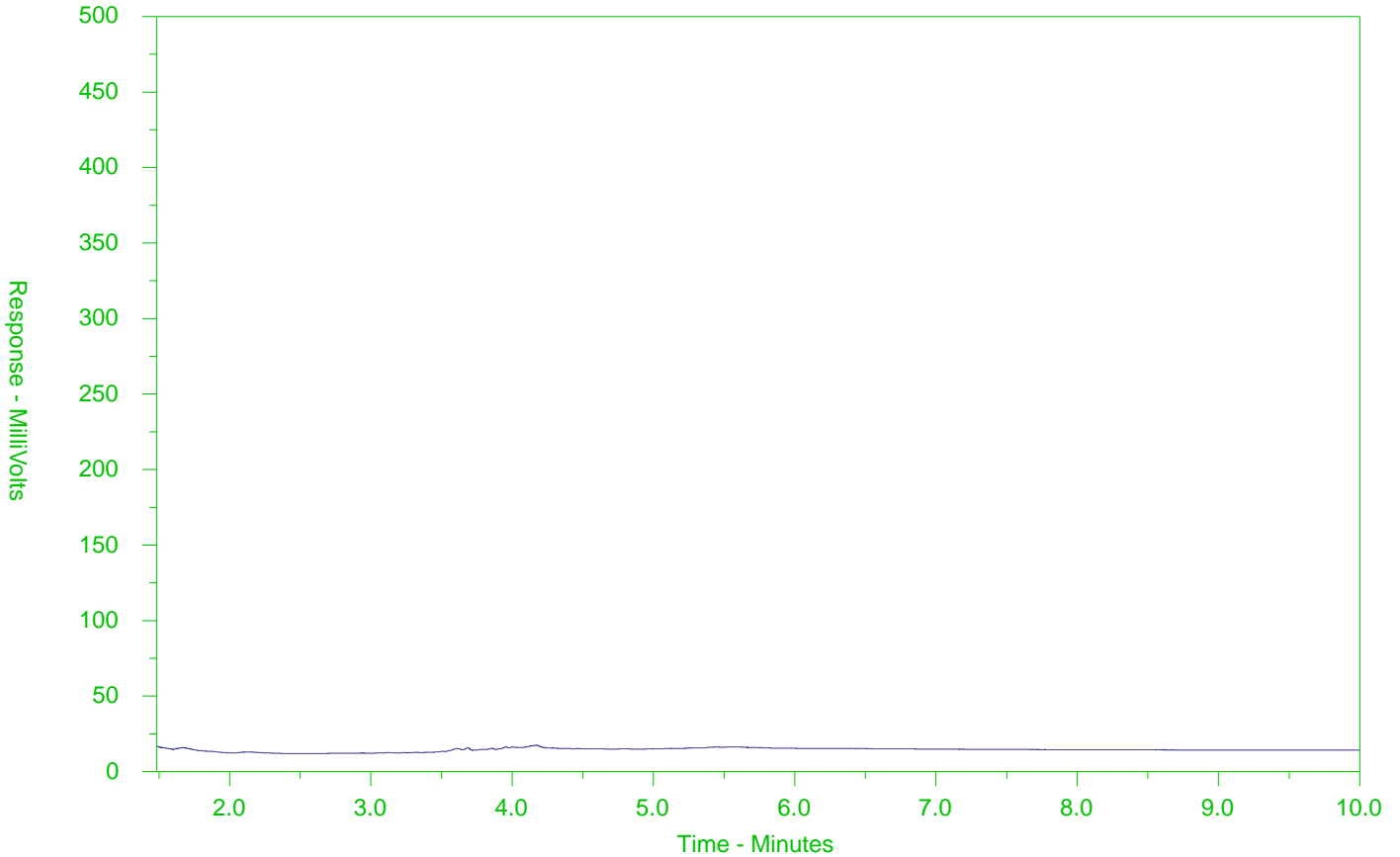
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2702132-1  
 Client Sample ID: S-12566614-042822-DA-001



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

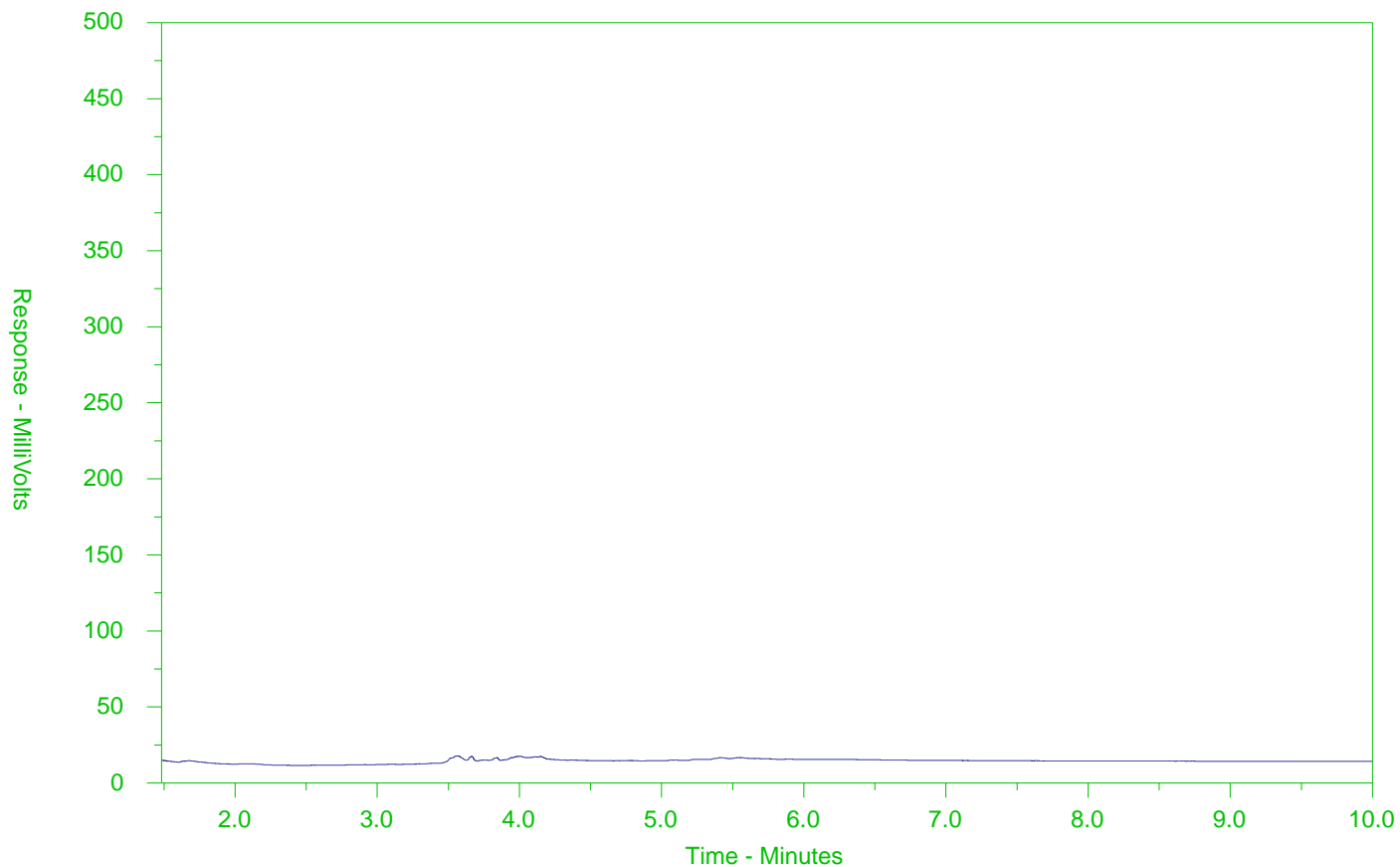
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2702132-2  
 Client Sample ID: S-12566614-042822-DA-002



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

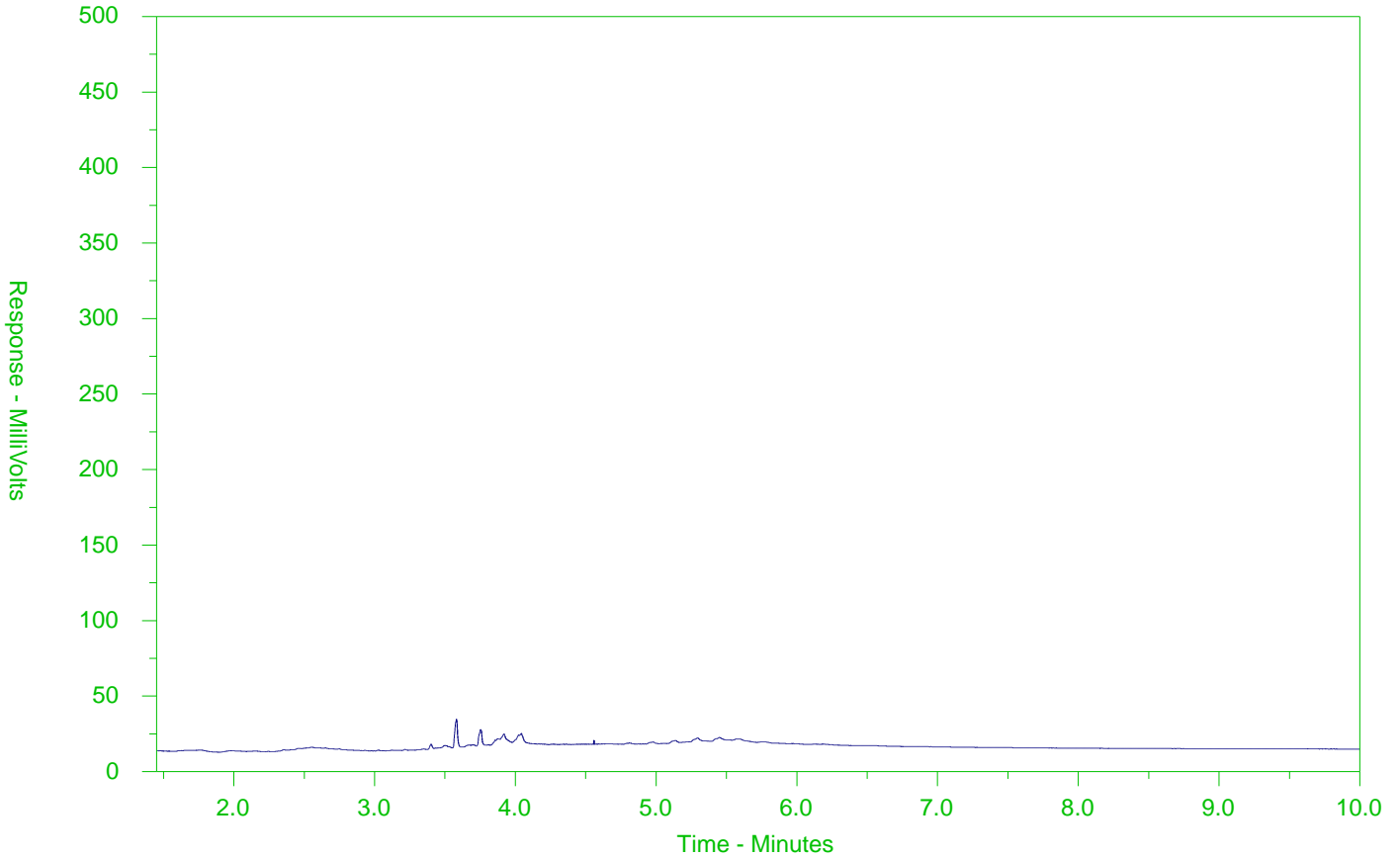
**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2702132-3  
 Client Sample ID: S-12566614-042822-DA-003



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

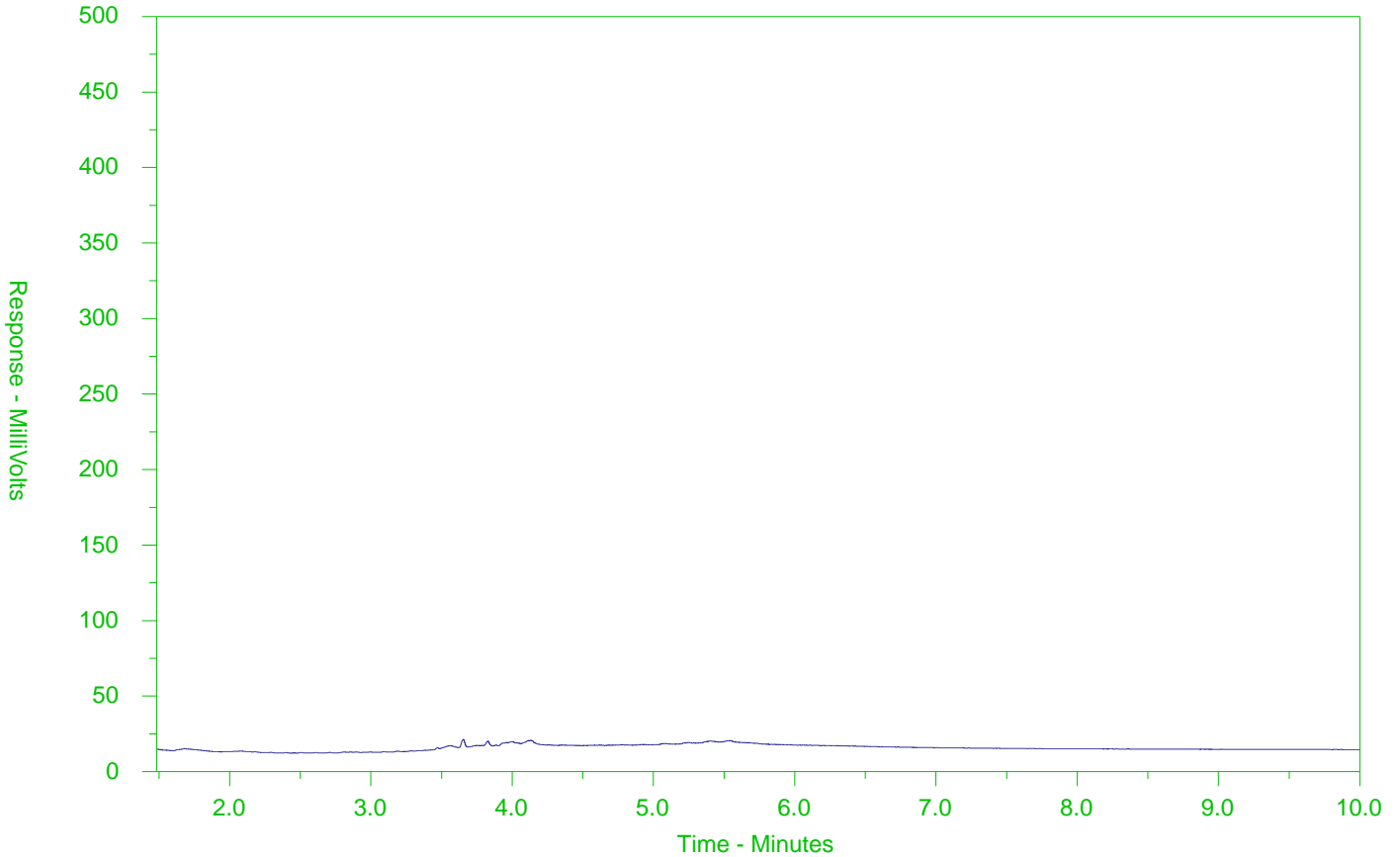
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2702132-4  
 Client Sample ID: S-12566614-042822-DA-004



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

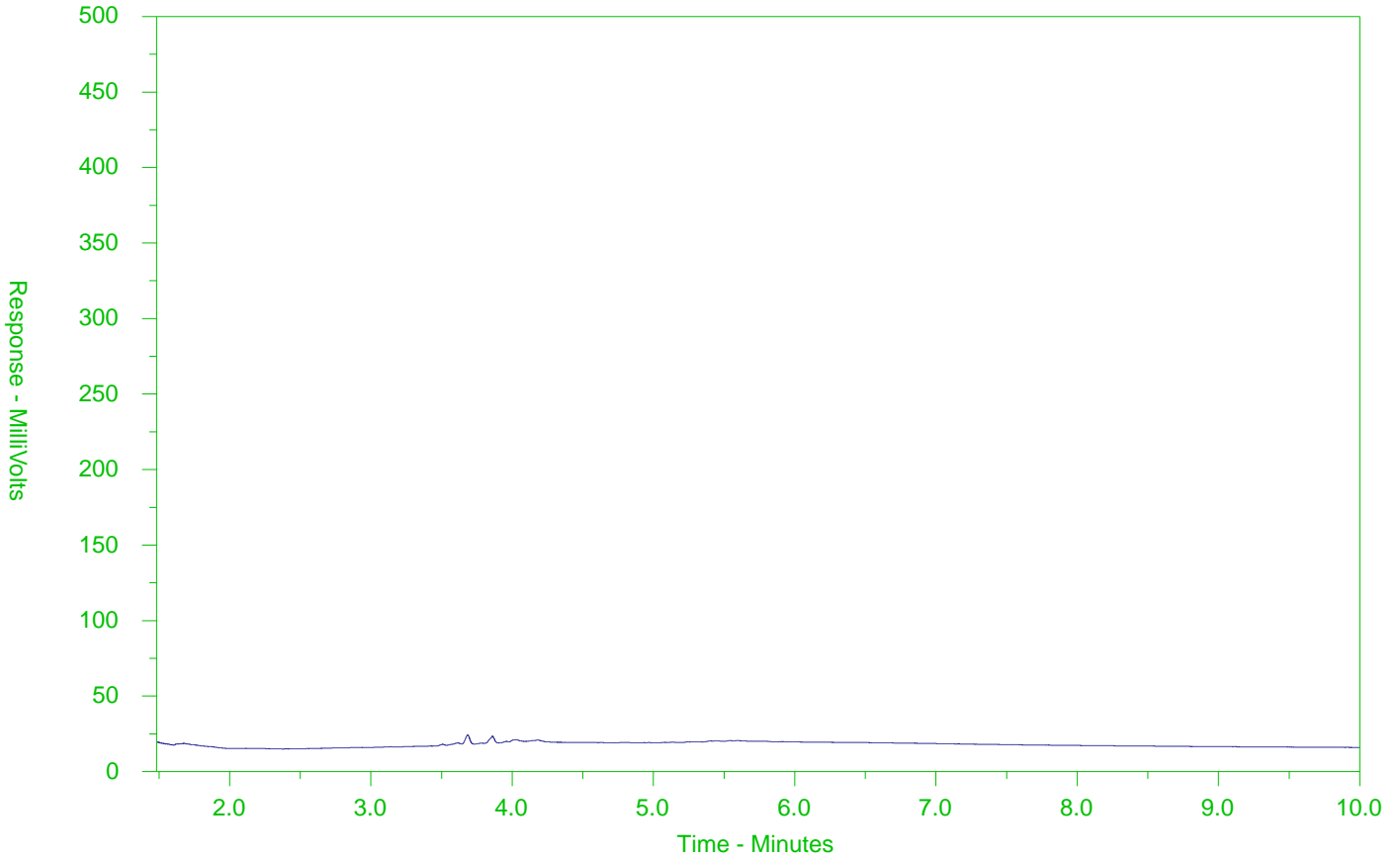
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2702132-5  
 Client Sample ID: S-12566614-042822-DA-005



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).



L2702132-COFC

in of Custody (COC) / Analytical Request Form

COC Number: 20-1009507

Canada Toll Free: 1 800 668 9878

Page 1 of 1

<b>Report To</b> Contact and company name below will appear on the final report Company: GHD Ltd. Contact: Joseph Drader Phone: +1-613-218-3463 Street: 400-179 Colonnade Road City/Province: Ottawa, Ontario Postal Code: K2E 7S4		<b>Reports / Recipients</b> Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input checked="" type="checkbox"/> EDD (DIGITAL) Merge QC/QCI Reports with COA <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: Joseph.Drader@ghd.com Email 2: Email 3:			<b>Turnaround Time (TAT) Requested</b> <input type="checkbox"/> Routine [R] if received by 3pm M-F - no surcharges apply *See <input checked="" type="checkbox"/> 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum <input type="checkbox"/> 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum <input type="checkbox"/> 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum <input type="checkbox"/> 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum <input type="checkbox"/> Same day [E2] if received by 10am M-F - 200% rush surcharge. Additional fees may apply to rush requests on weekends, statutory holidays and non-routine tests.			<b>AFFIX ALS BARCODE LABEL HERE</b> (ALS use only)								
Company address below will appear on the final report Invoice To: Same as Report To <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Copy of Invoice with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<b>Invoice Recipients</b> Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: pascal.renella@ghd.com Email 2: Email 3:			<b>Date and Time Required for all E&amp;P TATs:</b>						dd-mm-yy hh:mm am/pm					
<b>Project Information</b> ALS Account # / Quote #: 12566614 Job #: 12566614 PO / AFE: LSD: ALS Lab Work Order # (ALS use only): L2702132		<b>Oil and Gas Required Fields (client use)</b> AFE/Cost Center: Major/Minor Code: Requisitioner: Location: ALS Contact: Sampler:			<b>Analysis Request</b> Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below						For all tests with rush TATs requested, please contact your AM to confirm availability.					
<b>ALS Sample # (ALS use only)</b> <b>Sample Identification and/or Coordinates</b> (This description will appear on the report)		<b>Date</b> (dd-mm-yy)	<b>Time</b> (hh:mm)	<b>Sample Type</b>	<b>NUMBER OF CONTAINERS</b> BTEX PHC FI-F4			<b>SAMPLES ON HOLD</b>			<b>EXTENDED STORAGE REQUIRED</b>			<b>SUSPECTED HAZARD (see notes)</b>		
Drinking Water (DW) Samples <sup>1</sup> (client use) Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Are samples for human consumption/ use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only) Results by May 4 <sup>th</sup> , 2022				<b>SAMPLE RECEIPT DETAILS (ALS use only)</b> Cooling Method: <input type="checkbox"/> NONE <input type="checkbox"/> ICE <input type="checkbox"/> ICE PACKS <input type="checkbox"/> FROZEN <input type="checkbox"/> COOLING INITIATED Submission Comments identified on Sample Receipt Notification: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Cooler Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A Sample Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A INITIAL COOLER TEMPERATURES °C: 16.6 FINAL COOLER TEMPERATURES °C: 8.6										
<b>SHIPMENT RELEASE (client use)</b> Released by: Dathan Ash Date: Apr. 28, 2022 Time:		<b>INITIAL SHIPMENT RECEPTION (ALS use only)</b> Received by: [Signature] Date: 28/04/22 Time: 1:10				<b>FINAL SHIPMENT RECEPTION (ALS use only)</b> Received by: [Signature] Date: 29/4/22 Time: 9:00										

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION  
 Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.  
 1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.





## CERTIFICATE OF ANALYSIS

<b>Work Order</b>	: <b>WT2204113</b>	<b>Page</b>	: 1 of 11
<b>Client</b>	: <b>GHD Limited</b>	<b>Laboratory</b>	: <b>Waterloo - Environmental</b>
<b>Contact</b>	: <b>Pascal Renella</b>	<b>Account Manager</b>	: <b>Rick Hawthorne</b>
<b>Address</b>	: <b>455 Phillip Street</b> <b>Waterloo ON Canada N2L 3X2</b>	<b>Address</b>	: <b>60 Northland Road, Unit 1</b> <b>Waterloo ON Canada N2V 2B8</b>
<b>Telephone</b>	: <b>519 725 3313</b>	<b>Telephone</b>	: <b>+1 519 886 6910</b>
<b>Project</b>	: <b>12566614</b>	<b>Date Samples Received</b>	: <b>17-May-2022 15:45</b>
<b>PO</b>	: <b>735-002942</b>	<b>Date Analysis</b>	: <b>19-May-2022</b>
		<b>Commenced</b>	
<b>C-O-C number</b>	: <b>----</b>	<b>Issue Date</b>	: <b>31-May-2022 13:10</b>
<b>Sampler</b>	: <b>CLIENT</b>		
<b>Site</b>	: <b>----</b>		
<b>Quote number</b>	: <b>12566614-SSOW-735-002942</b>		
<b>No. of samples received</b>	: <b>4</b>		
<b>No. of samples analysed</b>	: <b>4</b>		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Andrea Armstrong	Department Manager - Air Quality and Volatiles	Organics, Waterloo, Ontario
Greg Pokocky	Supervisor - Inorganic	Metals, Waterloo, Ontario
Jeremy Gingras	Team Leader - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Metals, Waterloo, Ontario



## General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances  
LOR: Limit of Reporting (detection limit).

<i>Unit</i>	<i>Description</i>
-	No Unit
µg/L	micrograms per litre
mg/L	milligrams per litre
mS/cm	millisiemens per centimetre
pH units	pH units

>: greater than.

<: less than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

## Qualifiers

<i>Qualifier</i>	<i>Description</i>
DLDS	<i>Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.</i>
DLHC	<i>Detection Limit Raised: Dilution required due to high concentration of test analyte(s).</i>



## Analytical Results

WT2204113-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-001

Client sampling date / time: 17-May-2022 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
conductivity	----	2.30	0.0010	mS/cm	E100	20-May-2022	21-May-2022	494874
pH	----	8.11	0.10	pH units	E108	20-May-2022	21-May-2022	494873
<b>Anions and Nutrients</b>								
chloride	16887-00-6	620 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	20-May-2022	24-May-2022	494894
<b>Cyanides</b>								
cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	19-May-2022	19-May-2022	493552
<b>Dissolved Metals</b>								
antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
barium, dissolved	7440-39-3	244 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	20-May-2022	24-May-2022	495359
boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	20-May-2022	24-May-2022	495359
cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	20-May-2022	24-May-2022	495359
chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	20-May-2022	24-May-2022	495359
lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	20-May-2022	20-May-2022	494459
molybdenum, dissolved	7439-98-7	2.39 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
sodium, dissolved	7440-23-5	236000 <sup>DLHC</sup>	500	µg/L	E421	20-May-2022	24-May-2022	495359
thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
uranium, dissolved	7440-61-1	4.53 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	20-May-2022	24-May-2022	495359
dissolved mercury filtration location	----	Field	-	-	EP509	-	20-May-2022	494459
dissolved metals filtration location	----	Field	-	-	EP421	-	20-May-2022	495359
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	19-May-2022	493593
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
benzene	71-43-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	20-May-2022	20-May-2022	494387
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387



## Analytical Results

WT2204113-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-001

Client sampling date / time: 17-May-2022 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QC/Lot
<b>Volatile Organic Compounds</b>								
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
styrene	100-42-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
toluene	108-88-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	20-May-2022	20-May-2022	494387
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
BTEX, total	----	<1.0	1.0	µg/L	E611D	20-May-2022	20-May-2022	494387
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	120	1.0	%	E611D	20-May-2022	20-May-2022	494387
difluorobenzene, 1,4-	540-36-3	95.7	1.0	%	E611D	20-May-2022	20-May-2022	494387
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	20-May-2022	20-May-2022	494388
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	20-May-2022	26-May-2022	494854
F2-naphthalene	----	<100	100	µg/L	EC600SG	-	25-May-2022	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	20-May-2022	26-May-2022	494854
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	25-May-2022	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	20-May-2022	26-May-2022	494854
F1-BTEX	----	<25	25	µg/L	EC580	-	24-May-2022	-
hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	24-May-2022	-
chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	20-May-2022	26-May-2022	494854
<b>Hydrocarbons Surrogates</b>								
bromobenzotrifluoride, 2- (F2-F4 surr)	392-83-6	85.5	1.0	%	E601.SG	20-May-2022	26-May-2022	494854
dichlorotoluene, 3,4-	97-75-0	92.3	1.0	%	E581.F1-L	20-May-2022	20-May-2022	494388
<b>Polycyclic Aromatic Hydrocarbons</b>								
acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
anthracene	120-12-7	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856



## Analytical Results

WT2204113-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-001

Client sampling date / time: 17-May-2022 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
chrysene	218-01-9	0.016	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	20-May-2022	24-May-2022	494856
fluoranthene	206-44-0	0.034	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
fluorene	86-73-7	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 1+2-	----	0.015	0.015	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 2-	91-57-6	0.015	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	20-May-2022	24-May-2022	494856
phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	20-May-2022	24-May-2022	494856
pyrene	129-00-0	0.019	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
chrysene-d12	1719-03-5	105	0.1	%	E641A	20-May-2022	24-May-2022	494856
naphthalene-d8	1146-65-2	102	0.1	%	E641A	20-May-2022	24-May-2022	494856
phenanthrene-d10	1517-22-2	106	0.1	%	E641A	20-May-2022	24-May-2022	494856

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2204113-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-002

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
conductivity	----	3.42	0.0010	mS/cm	E100	20-May-2022	21-May-2022	494874
pH	----	7.76	0.10	pH units	E108	20-May-2022	21-May-2022	494873
<b>Anions and Nutrients</b>								
chloride	16887-00-6	896 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	20-May-2022	24-May-2022	494894
<b>Cyanides</b>								
cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	19-May-2022	19-May-2022	493552
<b>Dissolved Metals</b>								
antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
barium, dissolved	7440-39-3	216	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	20-May-2022	24-May-2022	495359
boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	20-May-2022	24-May-2022	495359
cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	20-May-2022	24-May-2022	495359
chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	20-May-2022	24-May-2022	495359
lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	20-May-2022	20-May-2022	494459



## Analytical Results

WT2204113-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-002

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Dissolved Metals</b>								
molybdenum, dissolved	7439-98-7	1.47 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
sodium, dissolved	7440-23-5	405000 <sup>DLHC</sup>	500	µg/L	E421	20-May-2022	24-May-2022	495359
thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
uranium, dissolved	7440-61-1	2.18 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	20-May-2022	24-May-2022	495359
dissolved mercury filtration location	----	Field	-	-	EP509	-	20-May-2022	494459
dissolved metals filtration location	----	Field	-	-	EP421	-	20-May-2022	495359
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	19-May-2022	493593
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
benzene	71-43-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	20-May-2022	20-May-2022	494387
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
styrene	100-42-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
toluene	108-88-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387





## Analytical Results

WT2204113-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-002

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	20-May-2022	20-May-2022	494387
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
BTEX, total	----	<1.0	1.0	µg/L	E611D	20-May-2022	20-May-2022	494387
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	117	1.0	%	E611D	20-May-2022	20-May-2022	494387
difluorobenzene, 1,4-	540-36-3	96.3	1.0	%	E611D	20-May-2022	20-May-2022	494387
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	20-May-2022	20-May-2022	494388
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F2-naphthalene	----	<100	100	µg/L	EC600SG	-	25-May-2022	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	25-May-2022	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F1-BTEX	----	<25	25	µg/L	EC580	-	24-May-2022	-
hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	24-May-2022	-
chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	20-May-2022	27-May-2022	494854
<b>Hydrocarbons Surrogates</b>								
bromobenzotrifluoride, 2- (F2-F4 surr)	392-83-6	83.3	1.0	%	E601.SG	20-May-2022	27-May-2022	494854
dichlorotoluene, 3,4-	97-75-0	89.3	1.0	%	E581.F1-L	20-May-2022	20-May-2022	494388
<b>Polycyclic Aromatic Hydrocarbons</b>								
acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
anthracene	120-12-7	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
chrysene	218-01-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	20-May-2022	24-May-2022	494856
fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
fluorene	86-73-7	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	20-May-2022	24-May-2022	494856
phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	20-May-2022	24-May-2022	494856
pyrene	129-00-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
chrysene-d12	1719-03-5	105	0.1	%	E641A	20-May-2022	24-May-2022	494856
naphthalene-d8	1146-65-2	105	0.1	%	E641A	20-May-2022	24-May-2022	494856





## Analytical Results

WT2204113-002

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: GW-12566614-051722-NG-002

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
phenanthrene-d10	1517-22-2	106	0.1	%	E641A	20-May-2022	24-May-2022	494856

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2204113-003

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: GW-12566614-051722-NG-003

Client sampling date / time: 17-May-2022 14:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
benzene	71-43-2	<0.50	0.50	µg/L	E611A	20-May-2022	20-May-2022	494592
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A	20-May-2022	20-May-2022	494592
toluene	108-88-3	<0.50	0.50	µg/L	E611A	20-May-2022	20-May-2022	494592
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A	20-May-2022	20-May-2022	494592
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A	20-May-2022	20-May-2022	494592
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A	20-May-2022	20-May-2022	494592
BTEX, total	----	<1.0	1.0	µg/L	E611A	20-May-2022	20-May-2022	494592
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	108	1.0	%	E611A	20-May-2022	20-May-2022	494592
difluorobenzene, 1,4-	540-36-3	101	1.0	%	E611A	20-May-2022	20-May-2022	494592
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	20-May-2022	20-May-2022	494591
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F3 (C16-C34)	----	280	250	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F1-BTEX	----	<25	25	µg/L	EC580	-	21-May-2022	-
hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581.SG	-	21-May-2022	-
chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	20-May-2022	27-May-2022	494854
<b>Hydrocarbons Surrogates</b>								
bromobenzotrifluoride, 2- (F2-F4 surr)	392-83-6	83.4	1.0	%	E601.SG	20-May-2022	27-May-2022	494854
dichlorotoluene, 3,4-	97-75-0	102	1.0	%	E581.F1-L	20-May-2022	20-May-2022	494591

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2204113-004

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: GW-12566614-051722-NG-004

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
conductivity	----	3.39	0.0010	mS/cm	E100	20-May-2022	21-May-2022	494874
pH	----	7.75	0.10	pH units	E108	20-May-2022	21-May-2022	494873
<b>Anions and Nutrients</b>								
chloride	16887-00-6	858 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	20-May-2022	24-May-2022	494894



## Analytical Results

WT2204113-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-004

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Cyanides</b>								
cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	19-May-2022	19-May-2022	493552
<b>Dissolved Metals</b>								
antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
barium, dissolved	7440-39-3	209 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	20-May-2022	24-May-2022	495359
boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	20-May-2022	24-May-2022	495359
cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	20-May-2022	24-May-2022	495359
chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	20-May-2022	24-May-2022	495359
copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	20-May-2022	24-May-2022	495359
lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
mercury, dissolved	7439-97-6	<0.0050 <sup>DLHC</sup>	0.0050	µg/L	E509	20-May-2022	20-May-2022	494459
molybdenum, dissolved	7439-98-7	1.49 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	20-May-2022	24-May-2022	495359
silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
sodium, dissolved	7440-23-5	415000 <sup>DLHC</sup>	500	µg/L	E421	20-May-2022	24-May-2022	495359
thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
uranium, dissolved	7440-61-1	2.20 <sup>DLHC</sup>	0.100	µg/L	E421	20-May-2022	24-May-2022	495359
vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	20-May-2022	24-May-2022	495359
zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	20-May-2022	24-May-2022	495359
dissolved mercury filtration location	----	Field	-	-	EP509	-	20-May-2022	494459
dissolved metals filtration location	----	Field	-	-	EP421	-	20-May-2022	495359
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	19-May-2022	493593
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
benzene	71-43-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	20-May-2022	20-May-2022	494387
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387



## Analytical Results

WT2204113-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-051722-NG-004

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	20-May-2022	20-May-2022	494387
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
styrene	100-42-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
toluene	108-88-3	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	20-May-2022	20-May-2022	494387
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	20-May-2022	20-May-2022	494387
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	20-May-2022	20-May-2022	494387
BTEX, total	----	<1.0	1.0	µg/L	E611D	20-May-2022	20-May-2022	494387
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	119	1.0	%	E611D	20-May-2022	20-May-2022	494387
difluorobenzene, 1,4-	540-36-3	95.2	1.0	%	E611D	20-May-2022	20-May-2022	494387
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	20-May-2022	20-May-2022	494388
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F2-naphthalene	----	<100	100	µg/L	EC600SG	-	25-May-2022	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	25-May-2022	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	20-May-2022	27-May-2022	494854
F1-BTEX	----	<25	25	µg/L	EC580	-	24-May-2022	-
hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	24-May-2022	-
chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	20-May-2022	27-May-2022	494854
<b>Hydrocarbons Surrogates</b>								
bromobenzotrifluoride, 2- (F2-F4 surr)	392-83-6	82.4	1.0	%	E601.SG	20-May-2022	27-May-2022	494854
dichlorotoluene, 3,4-	97-75-0	90.6	1.0	%	E581.F1-L	20-May-2022	20-May-2022	494388
<b>Polycyclic Aromatic Hydrocarbons</b>								
acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
anthracene	120-12-7	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
chrysene	218-01-9	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856



## Analytical Results

WT2204113-004

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: GW-12566614-051722-NG-004

Client sampling date / time: 17-May-2022 11:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	20-May-2022	24-May-2022	494856
fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
fluorene	86-73-7	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	20-May-2022	24-May-2022	494856
methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	20-May-2022	24-May-2022	494856
phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	20-May-2022	24-May-2022	494856
pyrene	129-00-0	<0.010	0.010	µg/L	E641A	20-May-2022	24-May-2022	494856
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
chrysene-d12	1719-03-5	105	0.1	%	E641A	20-May-2022	24-May-2022	494856
naphthalene-d8	1146-65-2	104	0.1	%	E641A	20-May-2022	24-May-2022	494856
phenanthrene-d10	1517-22-2	105	0.1	%	E641A	20-May-2022	24-May-2022	494856

Please refer to the General Comments section for an explanation of any qualifiers detected.

## QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: <b>WT2204113</b>	Page	: 1 of 11
Client	: <b>GHD Limited</b>	Laboratory	: Waterloo - Environmental
Contact	: Pascal Renella	Account Manager	: Rick Hawthorne
Address	: 455 Phillip Street Waterloo ON Canada N2L 3X2	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 519 725 3313	Telephone	: +1 519 886 6910
Project	: 12566614	Date Samples Received	: 17-May-2022 15:45
PO	: 735-002942	Issue Date	: 31-May-2022 13:11
C-O-C number	: ----		
Sampler	: CLIENT		
Site	: ----		
Quote number	: 12566614-SSOW-735-002942		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

### Key

**Anonymous:** Refers to samples which are not part of this work order, but which formed part of the QC process lot.

**CAS Number:** Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

**DQO:** Data Quality Objective.

**LOR:** Limit of Reporting (detection limit).

**RPD:** Relative Percent Difference.

### **Workorder Comments**

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

### **Summary of Outliers**

#### **Outliers : Quality Control Samples**

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

#### **Outliers: Reference Material (RM) Samples**

- No Reference Material (RM) Sample outliers occur.

#### **Outliers : Analysis Holding Time Compliance (Breaches)**

- No Analysis Holding Time Outliers exist.

#### **Outliers : Frequency of Quality Control Samples**

- No Quality Control Sample Frequency Outliers occur.





## Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Anions and Nutrients : Chloride in Water by IC</b>										
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-001	E235.Cl	17-May-2022	----	----	----		24-May-2022	28 days	7 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-002	E235.Cl	17-May-2022	----	----	----		24-May-2022	28 days	7 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-004	E235.Cl	17-May-2022	----	----	----		24-May-2022	28 days	7 days	✓
<b>Cyanides : WAD Cyanide</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12566614-051722-NG-001	E336	17-May-2022	----	----	----		19-May-2022	14 days	2 days	✓
<b>Cyanides : WAD Cyanide</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12566614-051722-NG-002	E336	17-May-2022	----	----	----		19-May-2022	14 days	2 days	✓
<b>Cyanides : WAD Cyanide</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12566614-051722-NG-004	E336	17-May-2022	----	----	----		19-May-2022	14 days	2 days	✓
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>										
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12566614-051722-NG-001	E509	17-May-2022	20-May-2022	----	----		20-May-2022	28 days	3 days	✓





Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12566614-051722-NG-002	E509	17-May-2022	20-May-2022	----	----		20-May-2022	28 days	3 days	✓	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12566614-051722-NG-004	E509	17-May-2022	20-May-2022	----	----		20-May-2022	28 days	3 days	✓	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12566614-051722-NG-001	E421	17-May-2022	20-May-2022	----	----		24-May-2022	180 days	7 days	✓	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12566614-051722-NG-002	E421	17-May-2022	20-May-2022	----	----		24-May-2022	180 days	7 days	✓	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12566614-051722-NG-004	E421	17-May-2022	20-May-2022	----	----		24-May-2022	180 days	7 days	✓	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-001	E581.F1-L	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-002	E581.F1-L	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-003	E581.F1-L	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-004	E581.F1-L	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-001	E601.SG	17-May-2022	20-May-2022	14 days	3 days	✓	26-May-2022	40 days	6 days	✓	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-002	E601.SG	17-May-2022	20-May-2022	14 days	3 days	✓	27-May-2022	40 days	7 days	✓	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-003	E601.SG	17-May-2022	20-May-2022	14 days	3 days	✓	27-May-2022	40 days	7 days	✓	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-004	E601.SG	17-May-2022	20-May-2022	14 days	3 days	✓	27-May-2022	40 days	7 days	✓	
<b>Physical Tests : Conductivity in Water</b>											
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-001	E100	17-May-2022	----	----	----		21-May-2022	28 days	4 days	✓	
<b>Physical Tests : Conductivity in Water</b>											
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-002	E100	17-May-2022	----	----	----		21-May-2022	28 days	4 days	✓	
<b>Physical Tests : Conductivity in Water</b>											
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-004	E100	17-May-2022	----	----	----		21-May-2022	28 days	4 days	✓	
<b>Physical Tests : pH by Meter</b>											
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-001	E108	17-May-2022	----	----	----		21-May-2022	4 days	4 days	✓	
<b>Physical Tests : pH by Meter</b>											
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-002	E108	17-May-2022	----	----	----		21-May-2022	4 days	4 days	✓	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times Rec Actual		Eval	Analysis Date	Holding Times Rec Actual		Eval	
<b>Physical Tests : pH by Meter</b>											
<b>HDPE [ON MECP]</b> GW-12566614-051722-NG-004	E108	17-May-2022	----	----	----		21-May-2022	4 days	4 days	✓	
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-001	E641A	17-May-2022	20-May-2022	14 days	3 days	✓	24-May-2022	40 days	4 days	✓	
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-002	E641A	17-May-2022	20-May-2022	14 days	3 days	✓	24-May-2022	40 days	4 days	✓	
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-051722-NG-004	E641A	17-May-2022	20-May-2022	14 days	3 days	✓	24-May-2022	40 days	4 days	✓	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE (sodium hydroxide+ammonium hydroxide+ammonium sulfate)</b> GW-12566614-051722-NG-001	E532A	17-May-2022	----	----	----		19-May-2022	28 days	2 days	✓	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE (sodium hydroxide+ammonium hydroxide+ammonium sulfate)</b> GW-12566614-051722-NG-002	E532A	17-May-2022	----	----	----		19-May-2022	28 days	2 days	✓	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE (sodium hydroxide+ammonium hydroxide+ammonium sulfate)</b> GW-12566614-051722-NG-004	E532A	17-May-2022	----	----	----		19-May-2022	28 days	2 days	✓	
<b>Volatile Organic Compounds : BTEX by Headspace GC-MS</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-003	E611A	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓	
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-001	E611D	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-002	E611D	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12566614-051722-NG-004	E611D	17-May-2022	20-May-2022	----	----		20-May-2022	14 days	3 days	✓

Legend & Qualifier Definitions

Rec. HT: ALS recommended hold time (see units).



## Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water** Evaluation: \* = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
<b>Analytical Methods</b>							
<b>Laboratory Duplicates (DUP)</b>							
BTEX by Headspace GC-MS	E611A	494592	1	2	50.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	494388	2	6	33.3	5.0	✓
Chloride in Water by IC	E235.Cl	494894	1	13	7.6	5.0	✓
Conductivity in Water	E100	494874	1	10	10.0	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	493593	1	11	9.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	494459	1	4	25.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	495359	1	19	5.2	5.0	✓
pH by Meter	E108	494873	1	15	6.6	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	494387	1	20	5.0	5.0	✓
WAD Cyanide	E336	493552	1	3	33.3	5.0	✓
<b>Laboratory Control Samples (LCS)</b>							
BTEX by Headspace GC-MS	E611A	494592	1	2	50.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	494388	2	6	33.3	5.0	✓
Chloride in Water by IC	E235.Cl	494894	1	13	7.6	5.0	✓
Conductivity in Water	E100	494874	1	10	10.0	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	493593	1	11	9.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	494459	1	4	25.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	495359	1	19	5.2	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	494856	1	3	33.3	5.0	✓
pH by Meter	E108	494873	1	15	6.6	5.0	✓
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	494854	1	5	20.0	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	494387	1	20	5.0	5.0	✓
WAD Cyanide	E336	493552	1	3	33.3	5.0	✓
<b>Method Blanks (MB)</b>							
BTEX by Headspace GC-MS	E611A	494592	1	2	50.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	494388	2	6	33.3	5.0	✓
Chloride in Water by IC	E235.Cl	494894	1	13	7.6	5.0	✓
Conductivity in Water	E100	494874	1	10	10.0	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	493593	1	11	9.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	494459	1	4	25.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	495359	1	19	5.2	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	494856	1	3	33.3	5.0	✓
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	494854	1	5	20.0	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	494387	1	20	5.0	5.0	✓
WAD Cyanide	E336	493552	1	3	33.3	5.0	✓
<b>Matrix Spikes (MS)</b>							
BTEX by Headspace GC-MS	E611A	494592	1	2	50.0	5.0	✓



Matrix: **Water** Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
<i>Analytical Methods</i>							
<b>Matrix Spikes (MS) - Continued</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	494388	2	6	33.3	5.0	✔
Chloride in Water by IC	E235.Cl	494894	1	13	7.6	5.0	✔
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	493593	1	11	9.0	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	494459	1	4	25.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	495359	1	19	5.2	5.0	✔
VOCs (ON List) by Headspace GC-MS	E611D	494387	1	20	5.0	5.0	✔
WAD Cyanide	E336	493552	1	3	33.3	5.0	✔



## Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Waterloo - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Waterloo - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Waterloo - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
WAD Cyanide	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by Continuous Flow Analyzer (CFA) with in-line distillation followed by colourmetric analysis.
Dissolved Metals in Water by CRC ICPMS	E421 Waterloo - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Mercury in Water by CVAAS	E509 Waterloo - Environmental	Water	APHA 3030B/EPA 1631E (mod)	Water samples are filtered (0.45 um), preserved with HCl, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A Waterloo - Environmental	Water	APHA 3500-Cr C (Ion Chromatography)	Hexavalent Chromium is measured by Ion chromatography-Post column reaction and UV detection.  sample pretreatment involved field or lab filtration following by sample preservation.
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	CCME Fraction 1 (F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	Sample extracts are subjected to in-situ silica gel treatment prior to analysis by GC-FID for CCME hydrocarbon fractions (F2-F4).
BTEX by Headspace GC-MS	E611A Waterloo - Environmental	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.





Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
VOCs (ON List) by Headspace GC-MS	E611D Waterloo - Environmental	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
PAHs by Hexane LVI GC-MS	E641A Waterloo - Environmental	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
F1-BTEX	EC580 Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	F1-BTEX is calculated as follows: F1-BTEX = F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).
SUM F1 to F4 where F2-F4 is SG treated	EC581SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	Hydrocarbons, total (C6-C50) is the sum of CCME Fraction F1(C6-C10), F2(C10-C16), F3(C16-C34), and F4(C34-C50), where F2-F4 have been treated with silica gel. F4G-sg is not used within this calculation due to overlap with other fractions.
F2-F4 (sg) minus PAH	EC600SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	F2-F4 (sg) minus PAH is calculated as follows: F2-F4 minus PAH = Sum of CCME Fraction 2 (C10-C16), CCME Fraction 3 (C16-C34), and CCME Fraction 4 (C34-C50), minus select Polycyclic Aromatic Hydrocarbons (PAH).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 Waterloo - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.
Dissolved Mercury Water Filtration	EP509 Waterloo - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HCl.
VOCs Preparation for Headspace Analysis	EP581 Waterloo - Environmental	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into the GC/MS-FID system.
PHCs and PAHs Hexane Extraction	EP601 Waterloo - Environmental	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.



## QUALITY CONTROL REPORT

**Work Order** : **WT2204113**

**Client** : GHD Limited

**Contact** : Pascal Renella

**Address** : 455 Phillip Street  
Waterloo ON Canada N2L 3X2

**Telephone** : 519 725 3313

**Project** : 12566614

**PO** : 735-002942

**C-O-C number** : ----

**Sampler** : CLIENT

**Site** : ----

**Quote number** : 12566614-SSOW-735-002942

**No. of samples received** : 4

**No. of samples analysed** : 4

**Page** : 1 of 16

**Laboratory** : Waterloo - Environmental

**Account Manager** : Rick Hawthorne

**Address** : 60 Northland Road, Unit 1  
Waterloo, Ontario Canada N2V 2B8

**Telephone** : +1 519 886 6910

**Date Samples Received** : 17-May-2022 15:45

**Date Analysis Commenced** : 19-May-2022

**Issue Date** : 31-May-2022 13:10

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Andrea Armstrong	Department Manager - Air Quality and Volatiles	Waterloo Organics, Waterloo, Ontario
Greg Pokocky	Supervisor - Inorganic	Waterloo Metals, Waterloo, Ontario
Jeremy Gingras	Team Leader - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Waterloo Inorganics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Waterloo Metals, Waterloo, Ontario

Page : 2 of 16  
Work Order : WT2204113  
Client : GHD Limited  
Project : 12566614

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## **General Comments**

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

# = Indicates a QC result that did not meet the ALS DQO.

## **Workorder Comments**

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Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

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### Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Physical Tests (QC Lot: 494873)</b>											
WT2204109-005	Anonymous	pH	----	E108	0.10	pH units	8.19	8.14	0.05	Diff <2x LOR	----
<b>Physical Tests (QC Lot: 494874)</b>											
WT2204109-005	Anonymous	conductivity	----	E100	2.0	µS/cm	194	196	0.871%	10%	----
<b>Anions and Nutrients (QC Lot: 494894)</b>											
WT2204109-005	Anonymous	chloride	16887-00-6	E235.Cl	0.50	mg/L	7.92	7.96	0.436%	20%	----
<b>Cyanides (QC Lot: 493552)</b>											
WT2204113-001	GW-12566614-051722-NG-001	cyanide, weak acid dissociable	----	E336	0.0020	mg/L	<2.0 µg/L	<0.0020	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 494459)</b>											
WT2204113-001	GW-12566614-051722-NG-001	mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0050 µg/L	<0.0000050	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 495359)</b>											
WT2204009-001	Anonymous	antimony, dissolved	7440-36-0	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00100	mg/L	32.9 µg/L	0.0336	1.90%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000200	mg/L	<0.200 µg/L	<0.000200	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.100	mg/L	355 µg/L	0.336	0.018	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000500	mg/L	0.0649 µg/L	0.0000678	0.0000029	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00200	mg/L	<2.00 µg/L	<0.00200	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000500	mg/L	<0.500 µg/L	<0.000500	0	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000500	mg/L	12.5 µg/L	0.0133	6.29%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00500	mg/L	16.6 µg/L	0.0171	0.00057	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000500	mg/L	1.03 µg/L	0.000992	0.000040	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.000100	mg/L	<0.100 µg/L	<0.000100	0	Diff <2x LOR	----
		sodium, dissolved	7440-23-5	E421	0.500	mg/L	201000 µg/L	207	3.17%	20%	----
		thallium, dissolved	7440-28-0	E421	0.000100	mg/L	0.356 µg/L	0.000342	0.000013	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000100	mg/L	10.2 µg/L	0.0103	0.733%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0100	mg/L	34.0 µg/L	0.0331	0.0010	Diff <2x LOR	----
<b>Speciated Metals (QC Lot: 493593)</b>											



Sub-Matrix: **Water**

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Speciated Metals (QC Lot: 493593) - continued</b>											
CG2205921-008	Anonymous	chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
<b>Volatile Organic Compounds (QC Lot: 494387)</b>											
WT2204113-001	GW-12566614-051722-NG-001	acetone	67-64-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		benzene	71-43-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		bromodichloromethane	75-27-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		bromoform	75-25-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		bromomethane	74-83-9	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		carbon tetrachloride	56-23-5	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		chlorobenzene	108-90-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		chloroform	67-66-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dibromochloromethane	124-48-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dibromoethane, 1,2-	106-93-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		dichlorobenzene, 1,2-	95-50-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorobenzene, 1,3-	541-73-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorobenzene, 1,4-	106-46-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorodifluoromethane	75-71-8	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethane, 1,1-	75-34-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethane, 1,2-	107-06-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, 1,1-	75-35-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, cis-1,2-	156-59-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, trans-1,2-	156-60-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloromethane	75-09-2	E611D	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		dichloropropane, 1,2-	78-87-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloropropylene, cis-1,3-	10061-01-5	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		dichloropropylene, trans-1,3-	10061-02-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		ethylbenzene	100-41-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		hexane, n-	110-54-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		styrene	100-42-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethylene	127-18-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		toluene	108-88-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



Sub-Matrix: **Water**

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Volatile Organic Compounds (QC Lot: 494387) - continued</b>											
WT2204113-001	GW-12566614-051722-NG-001	trichloroethane, 1,1,1-	71-55-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichloroethane, 1,1,2-	79-00-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichloroethylene	79-01-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichlorofluoromethane	75-69-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		vinyl chloride	75-01-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		xylene, m+p-	179601-23-1	E611D	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		xylene, o-	95-47-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
<b>Volatile Organic Compounds (QC Lot: 494592)</b>											
WT2203988-001	Anonymous	benzene	71-43-2	E611A	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		ethylbenzene	100-41-4	E611A	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		toluene	108-88-3	E611A	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		xylene, m+p-	179601-23-1	E611A	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		xylene, o-	95-47-6	E611A	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
<b>Hydrocarbons (QC Lot: 494388)</b>											
WT2204113-001	GW-12566614-051722-NG-001	F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	<25	0	Diff <2x LOR	----
<b>Hydrocarbons (QC Lot: 494591)</b>											
WT2203988-001	Anonymous	F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	<25	0	Diff <2x LOR	----



## Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

### Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Physical Tests (QCLot: 494874)</b>						
conductivity	----	E100	1	µS/cm	1.1	----
<b>Anions and Nutrients (QCLot: 494894)</b>						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
<b>Cyanides (QCLot: 493552)</b>						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
<b>Dissolved Metals (QCLot: 494459)</b>						
mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	----
<b>Dissolved Metals (QCLot: 495359)</b>						
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
<b>Speciated Metals (QCLot: 493593)</b>						
chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	<0.00050	----
<b>Volatile Organic Compounds (QCLot: 494387)</b>						
acetone	67-64-1	E611D	20	µg/L	<20	----
benzene	71-43-2	E611D	0.5	µg/L	<0.50	----
bromodichloromethane	75-27-4	E611D	0.5	µg/L	<0.50	----





Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Volatile Organic Compounds (QCLot: 494387) - continued</b>						
bromoform	75-25-2	E611D	0.5	µg/L	<0.50	----
bromomethane	74-83-9	E611D	0.5	µg/L	<0.50	----
carbon tetrachloride	56-23-5	E611D	0.2	µg/L	<0.20	----
chlorobenzene	108-90-7	E611D	0.5	µg/L	<0.50	----
chloroform	67-66-3	E611D	0.5	µg/L	<0.50	----
dibromochloromethane	124-48-1	E611D	0.5	µg/L	<0.50	----
dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	<0.20	----
dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	<0.50	----
dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	<0.50	----
dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	<0.50	----
dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	<0.50	----
dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	<0.50	----
dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	<0.50	----
dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	<0.50	----
dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	<0.50	----
dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	<0.50	----
dichloromethane	75-09-2	E611D	1	µg/L	<1.0	----
dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	<0.50	----
dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	<0.30	----
dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	<0.30	----
ethylbenzene	100-41-4	E611D	0.5	µg/L	<0.50	----
hexane, n-	110-54-3	E611D	0.5	µg/L	<0.50	----
methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	----
methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	----
methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	<0.50	----
styrene	100-42-5	E611D	0.5	µg/L	<0.50	----
tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	<0.50	----
tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	<0.50	----
tetrachloroethylene	127-18-4	E611D	0.5	µg/L	<0.50	----
toluene	108-88-3	E611D	0.5	µg/L	<0.50	----
trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	<0.50	----
trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	<0.50	----
trichloroethylene	79-01-6	E611D	0.5	µg/L	<0.50	----
trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	<0.50	----
vinyl chloride	75-01-4	E611D	0.5	µg/L	<0.50	----
xylene, m+p-	179601-23-1	E611D	0.4	µg/L	<0.40	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Volatile Organic Compounds (QCLot: 494387) - continued</b>						
xylene, o-	95-47-6	E611D	0.3	µg/L	<0.30	---
<b>Volatile Organic Compounds (QCLot: 494592)</b>						
benzene	71-43-2	E611A	0.5	µg/L	<0.50	---
ethylbenzene	100-41-4	E611A	0.5	µg/L	<0.50	---
toluene	108-88-3	E611A	0.5	µg/L	<0.50	---
xylene, m+p-	179601-23-1	E611A	0.4	µg/L	<0.40	---
xylene, o-	95-47-6	E611A	0.3	µg/L	<0.30	---
<b>Hydrocarbons (QCLot: 494388)</b>						
F1 (C6-C10)	---	E581.F1-L	25	µg/L	<25	---
<b>Hydrocarbons (QCLot: 494591)</b>						
F1 (C6-C10)	---	E581.F1-L	25	µg/L	<25	---
<b>Hydrocarbons (QCLot: 494854)</b>						
F2 (C10-C16)	---	E601.SG	100	µg/L	<100	---
F3 (C16-C34)	---	E601.SG	250	µg/L	<250	---
F4 (C34-C50)	---	E601.SG	250	µg/L	<250	---
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 494856)</b>						
acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	---
acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	---
anthracene	120-12-7	E641A	0.01	µg/L	<0.010	---
benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	---
benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	---
benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	---
benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	---
benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	---
chrysene	218-01-9	E641A	0.01	µg/L	<0.010	---
dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	---
fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	---
fluorene	86-73-7	E641A	0.01	µg/L	<0.010	---
indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	---
methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	---
methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	---
naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	---
phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	---
pyrene	129-00-0	E641A	0.01	µg/L	<0.010	---





## Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
Analyte	CAS Number	Method	LOR	Unit	Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Concentration	LCS	Low	High	
<b>Physical Tests (QCLot: 494873)</b>									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
<b>Physical Tests (QCLot: 494874)</b>									
conductivity	----	E100	1	µS/cm	1409 µS/cm	98.6	90.0	110	----
<b>Anions and Nutrients (QCLot: 494894)</b>									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	104	90.0	110	----
<b>Cyanides (QCLot: 493552)</b>									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	107	80.0	120	----
mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0.0001 mg/L	94.8	80.0	120	----
<b>Dissolved Metals (QCLot: 495359)</b>									
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	0.05 mg/L	103	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	0.05 mg/L	102	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.0125 mg/L	106	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.005 mg/L	108	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	0.05 mg/L	105	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.005 mg/L	105	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.0125 mg/L	105	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.0125 mg/L	102	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.0125 mg/L	102	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.025 mg/L	101	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.0125 mg/L	102	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.025 mg/L	102	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	0.05 mg/L	102	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.005 mg/L	96.2	80.0	120	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	2.5 mg/L	108	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	0.05 mg/L	100	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.00025 mg/L	101	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.025 mg/L	105	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.025 mg/L	106	80.0	120	----
<b>Speciated Metals (QCLot: 493593)</b>									
chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	0.025 mg/L	98.8	80.0	120	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Concentration	LCS	Low	High	
<b>Volatile Organic Compounds (QCLot: 494387)</b>									
acetone	67-64-1	E611D	20	µg/L	100 µg/L	114	70.0	130	----
benzene	71-43-2	E611D	0.5	µg/L	100 µg/L	94.4	70.0	130	----
bromodichloromethane	75-27-4	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
bromoform	75-25-2	E611D	0.5	µg/L	100 µg/L	117	70.0	130	----
bromomethane	74-83-9	E611D	0.5	µg/L	100 µg/L	97.9	70.0	130	----
carbon tetrachloride	56-23-5	E611D	0.2	µg/L	100 µg/L	99.4	70.0	130	----
chlorobenzene	108-90-7	E611D	0.5	µg/L	100 µg/L	100.0	70.0	130	----
chloroform	67-66-3	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
dibromochloromethane	124-48-1	E611D	0.5	µg/L	100 µg/L	96.2	70.0	130	----
dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	100 µg/L	95.6	70.0	130	----
dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	100 µg/L	113	70.0	130	----
dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	100 µg/L	111	70.0	130	----
dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	100 µg/L	108	70.0	130	----
dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	100 µg/L	106	70.0	130	----
dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	100 µg/L	107	70.0	130	----
dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	100 µg/L	96.2	70.0	130	----
dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	100 µg/L	106	70.0	130	----
dichloromethane	75-09-2	E611D	1	µg/L	100 µg/L	101	70.0	130	----
dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	100 µg/L	99.7	70.0	130	----
dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	100 µg/L	102	70.0	130	----
dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	100 µg/L	88.1	70.0	130	----
ethylbenzene	100-41-4	E611D	0.5	µg/L	100 µg/L	98.4	70.0	130	----
hexane, n-	110-54-3	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	100 µg/L	110	70.0	130	----
methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	100 µg/L	110	70.0	130	----
methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	100 µg/L	106	70.0	130	----
styrene	100-42-5	E611D	0.5	µg/L	100 µg/L	84.2	70.0	130	----
tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	100 µg/L	94.6	70.0	130	----
tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
tetrachloroethylene	127-18-4	E611D	0.5	µg/L	100 µg/L	99.7	70.0	130	----
toluene	108-88-3	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	100 µg/L	100	70.0	130	----
trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
trichloroethylene	79-01-6	E611D	0.5	µg/L	100 µg/L	91.9	70.0	130	----
trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 494387) - continued</b>									
vinyl chloride	75-01-4	E611D	0.5	µg/L	100 µg/L	92.9	70.0	130	----
xylene, m+p-	179601-23-1	E611D	0.4	µg/L	200 µg/L	102	70.0	130	----
xylene, o-	95-47-6	E611D	0.3	µg/L	100 µg/L	96.6	70.0	130	----
<b>Volatile Organic Compounds (QCLot: 494592)</b>									
benzene	71-43-2	E611A	0.5	µg/L	100 µg/L	108	70.0	130	----
ethylbenzene	100-41-4	E611A	0.5	µg/L	100 µg/L	96.7	70.0	130	----
toluene	108-88-3	E611A	0.5	µg/L	100 µg/L	105	70.0	130	----
xylene, m+p-	179601-23-1	E611A	0.4	µg/L	200 µg/L	105	70.0	130	----
xylene, o-	95-47-6	E611A	0.3	µg/L	100 µg/L	99.8	70.0	130	----
<b>Hydrocarbons (QCLot: 494388)</b>									
F1 (C6-C10)	----	E581.F1-L	25	µg/L	2000 µg/L	104	80.0	120	----
<b>Hydrocarbons (QCLot: 494591)</b>									
F1 (C6-C10)	----	E581.F1-L	25	µg/L	2000 µg/L	91.3	80.0	120	----
<b>Hydrocarbons (QCLot: 494854)</b>									
F2 (C10-C16)	----	E601.SG	100	µg/L	5018 µg/L	104	70.0	130	----
F3 (C16-C34)	----	E601.SG	250	µg/L	6312 µg/L	122	70.0	130	----
F4 (C34-C50)	----	E601.SG	250	µg/L	6087 µg/L	79.1	70.0	130	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 494856)</b>									
acenaphthene	83-32-9	E641A	0.01	µg/L	0.5263 µg/L	108	50.0	140	----
acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5263 µg/L	101	50.0	140	----
anthracene	120-12-7	E641A	0.01	µg/L	0.5263 µg/L	102	50.0	140	----
benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5263 µg/L	106	50.0	140	----
benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5263 µg/L	97.4	50.0	140	----
benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5263 µg/L	103	50.0	140	----
benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5263 µg/L	104	50.0	140	----
benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5263 µg/L	113	50.0	140	----
chrysene	218-01-9	E641A	0.01	µg/L	0.5263 µg/L	110	50.0	140	----
dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5263 µg/L	107	50.0	140	----
fluoranthene	206-44-0	E641A	0.01	µg/L	0.5263 µg/L	113	50.0	140	----
fluorene	86-73-7	E641A	0.01	µg/L	0.5263 µg/L	108	50.0	140	----
indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5263 µg/L	107	50.0	140	----
methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5263 µg/L	104	50.0	140	----
methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5263 µg/L	97.7	50.0	140	----
naphthalene	91-20-3	E641A	0.05	µg/L	0.5263 µg/L	98.4	50.0	140	----
phenanthrene	85-01-8	E641A	0.02	µg/L	0.5263 µg/L	112	50.0	140	----

Page : 13 of 16  
 Work Order : WT2204113  
 Client : GHD Limited  
 Project : 12566614



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 494856) - continued</b>									
pyrene	129-00-0	E641A	0.01	µg/L	0.5263 µg/L	114	50.0	140	----





## Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level  $\geq 1 \times$  spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Anions and Nutrients (QCLot: 494894)</b>										
WT2204109-005	Anonymous	chloride	16887-00-6	E235.Cl	103 mg/L	100 mg/L	103	75.0	125	----
<b>Cyanides (QCLot: 493552)</b>										
WT2204113-001	GW-12566614-051722-NG-001	cyanide, weak acid dissociable	----	E336	0.156 mg/L	0.125 mg/L	125	70.0	130	----
<b>Dissolved Metals (QCLot: 494459)</b>										
WT2204113-002	GW-12566614-051722-NG-002	mercury, dissolved	7439-97-6	E509	0.0000896 mg/L	0.0001 mg/L	89.6	70.0	130	----
<b>Dissolved Metals (QCLot: 495359)</b>										
WT2204009-002	Anonymous	antimony, dissolved	7440-36-0	E421	0.494 mg/L	0.5 mg/L	98.8	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.502 mg/L	0.5 mg/L	100	70.0	130	----
		barium, dissolved	7440-39-3	E421	0.121 mg/L	0.125 mg/L	96.5	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0466 mg/L	0.05 mg/L	93.3	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.459 mg/L	0.5 mg/L	91.7	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.0486 mg/L	0.05 mg/L	97.3	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.123 mg/L	0.125 mg/L	98.6	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.120 mg/L	0.125 mg/L	95.8	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.114 mg/L	0.125 mg/L	91.1	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.228 mg/L	0.25 mg/L	91.4	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.125 mg/L	0.125 mg/L	100	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.233 mg/L	0.25 mg/L	93.2	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.512 mg/L	0.5 mg/L	102	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.0443 mg/L	0.05 mg/L	88.5	70.0	130	----
		sodium, dissolved	7440-23-5	E421	ND mg/L	25 mg/L	ND	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.443 mg/L	0.5 mg/L	88.5	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.0025 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.258 mg/L	0.25 mg/L	103	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.222 mg/L	0.25 mg/L	88.7	70.0	130	----
<b>Speciated Metals (QCLot: 493593)</b>										
CG2205921-008	Anonymous	chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0393 mg/L	0.04 mg/L	98.4	70.0	130	----
<b>Volatile Organic Compounds (QCLot: 494387)</b>										
WT2204113-001	GW-12566614-051722-NG-001	acetone	67-64-1	E611D	94 µg/L	100 µg/L	93.5	60.0	140	----
		benzene	71-43-2	E611D	89.5 µg/L	100 µg/L	89.5	60.0	140	----



Sub-Matrix: Water

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 494387) - continued</b>										
WT2204113-001	GW-12566614-051722-NG-001	bromodichloromethane	75-27-4	E611D	99.2 µg/L	100 µg/L	99.2	60.0	140	----
		bromoform	75-25-2	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		bromomethane	74-83-9	E611D	91.1 µg/L	100 µg/L	91.1	60.0	140	----
		carbon tetrachloride	56-23-5	E611D	97.3 µg/L	100 µg/L	97.3	60.0	140	----
		chlorobenzene	108-90-7	E611D	93.3 µg/L	100 µg/L	93.3	60.0	140	----
		chloroform	67-66-3	E611D	96.7 µg/L	100 µg/L	96.7	60.0	140	----
		dibromochloromethane	124-48-1	E611D	85.4 µg/L	100 µg/L	85.4	60.0	140	----
		dibromoethane, 1,2-	106-93-4	E611D	84.8 µg/L	100 µg/L	84.8	60.0	140	----
		dichlorobenzene, 1,2-	95-50-1	E611D	107 µg/L	100 µg/L	107	60.0	140	----
		dichlorobenzene, 1,3-	541-73-1	E611D	110 µg/L	100 µg/L	110	60.0	140	----
		dichlorobenzene, 1,4-	106-46-7	E611D	107 µg/L	100 µg/L	107	60.0	140	----
		dichlorodifluoromethane	75-71-8	E611D	93.5 µg/L	100 µg/L	93.5	60.0	140	----
		dichloroethane, 1,1-	75-34-3	E611D	65.0 µg/L	100 µg/L	65.0	60.0	140	----
		dichloroethane, 1,2-	107-06-2	E611D	94.1 µg/L	100 µg/L	94.1	60.0	140	----
		dichloroethylene, 1,1-	75-35-4	E611D	104 µg/L	100 µg/L	104	60.0	140	----
		dichloroethylene, cis-1,2-	156-59-2	E611D	91.8 µg/L	100 µg/L	91.8	60.0	140	----
		dichloroethylene, trans-1,2-	156-60-5	E611D	104 µg/L	100 µg/L	104	60.0	140	----
		dichloromethane	75-09-2	E611D	94.6 µg/L	100 µg/L	94.6	60.0	140	----
		dichloropropane, 1,2-	78-87-5	E611D	94.9 µg/L	100 µg/L	94.9	60.0	140	----
		dichloropropylene, cis-1,3-	10061-01-5	E611D	98.3 µg/L	100 µg/L	98.3	60.0	140	----
		dichloropropylene, trans-1,3-	10061-02-6	E611D	79.9 µg/L	100 µg/L	79.9	60.0	140	----
		ethylbenzene	100-41-4	E611D	93.7 µg/L	100 µg/L	93.7	60.0	140	----
		hexane, n-	110-54-3	E611D	99.5 µg/L	100 µg/L	99.5	60.0	140	----
		methyl ethyl ketone [MEK]	78-93-3	E611D	87 µg/L	100 µg/L	87.4	60.0	140	----
		methyl isobutyl ketone [MIBK]	108-10-1	E611D	89 µg/L	100 µg/L	88.9	60.0	140	----
		methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	103 µg/L	100 µg/L	103	60.0	140	----
		styrene	100-42-5	E611D	76.1 µg/L	100 µg/L	76.1	60.0	140	----
		tetrachloroethane, 1,1,1,2-	630-20-6	E611D	85.5 µg/L	100 µg/L	85.5	60.0	140	----
		tetrachloroethane, 1,1,2,2-	79-34-5	E611D	84.6 µg/L	100 µg/L	84.6	60.0	140	----
		tetrachloroethylene	127-18-4	E611D	96.4 µg/L	100 µg/L	96.4	60.0	140	----
		toluene	108-88-3	E611D	95.0 µg/L	100 µg/L	95.0	60.0	140	----
		trichloroethane, 1,1,1-	71-55-6	E611D	98.2 µg/L	100 µg/L	98.2	60.0	140	----
		trichloroethane, 1,1,2-	79-00-5	E611D	92.3 µg/L	100 µg/L	92.3	60.0	140	----
		trichloroethylene	79-01-6	E611D	87.8 µg/L	100 µg/L	87.8	60.0	140	----
		trichlorofluoromethane	75-69-4	E611D	99.2 µg/L	100 µg/L	99.2	60.0	140	----
		vinyl chloride	75-01-4	E611D	83.7 µg/L	100 µg/L	83.7	60.0	140	----
		xylene, m+p-	179601-23-1	E611D	197 µg/L	200 µg/L	98.5	60.0	140	----



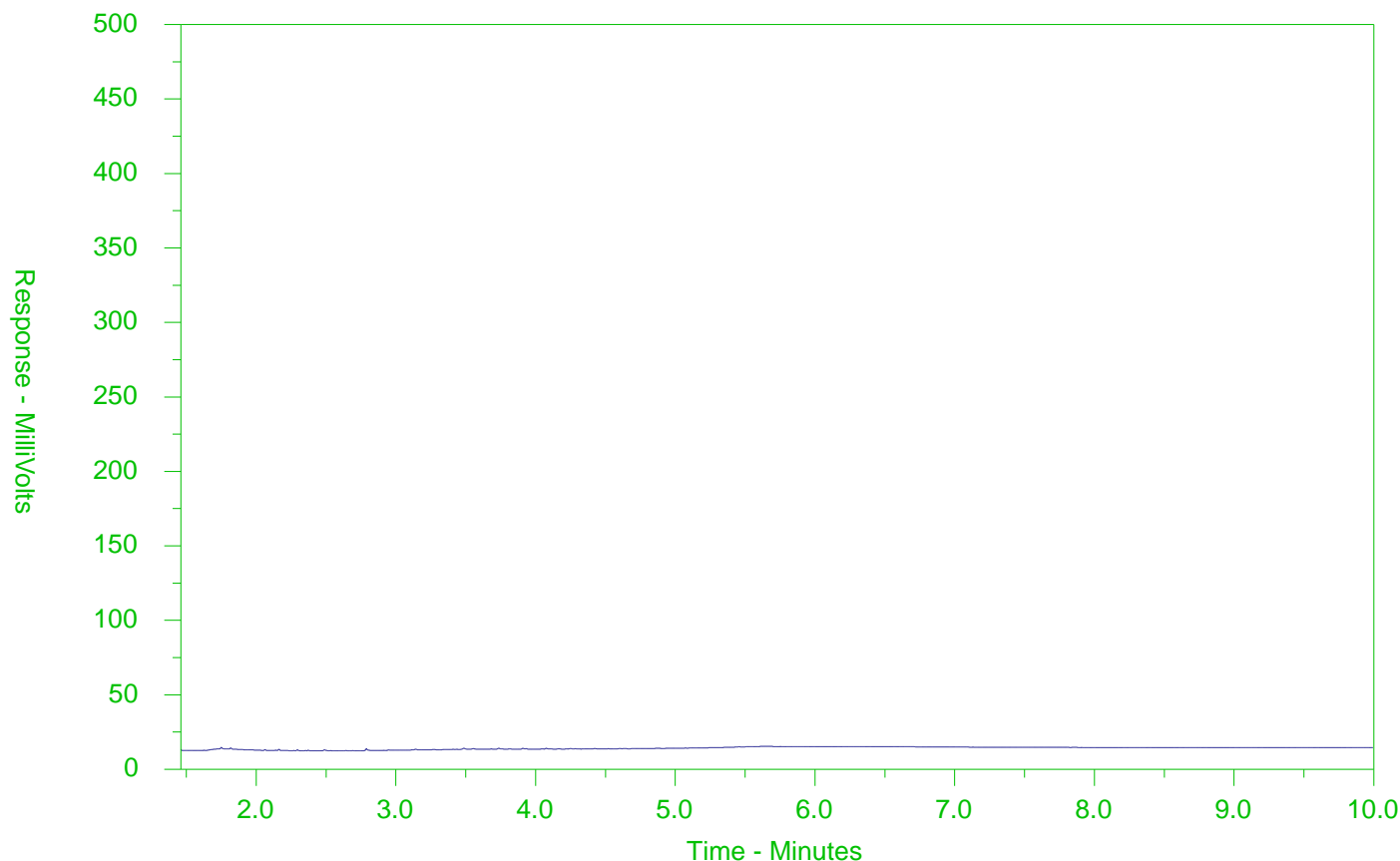
Sub-Matrix: **Water**

					<i>Matrix Spike (MS) Report</i>					
					<i>Spike</i>		<i>Recovery (%)</i>	<i>Recovery Limits (%)</i>		
<i>Laboratory sample ID</i>	<i>Client sample ID</i>	<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>Concentration</i>	<i>Target</i>	<i>MS</i>	<i>Low</i>	<i>High</i>	<i>Qualifier</i>
<b>Volatile Organic Compounds (QCLot: 494387) - continued</b>										
WT2204113-001	GW-12566614-051722-NG-001	xylene, o-	95-47-6	E611D	91.6 µg/L	100 µg/L	91.6	60.0	140	----
<b>Volatile Organic Compounds (QCLot: 494592)</b>										
WT2203988-001	Anonymous	benzene	71-43-2	E611A	98.5 µg/L	100 µg/L	98.5	60.0	140	----
		ethylbenzene	100-41-4	E611A	91.2 µg/L	100 µg/L	91.2	60.0	140	----
		toluene	108-88-3	E611A	98.0 µg/L	100 µg/L	98.0	60.0	140	----
		xylene, m+p-	179601-23-1	E611A	188 µg/L	200 µg/L	94.3	60.0	140	----
		xylene, o-	95-47-6	E611A	91.6 µg/L	100 µg/L	91.6	60.0	140	----
<b>Hydrocarbons (QCLot: 494388)</b>										
WT2204113-001	GW-12566614-051722-NG-001	F1 (C6-C10)	----	E581.F1-L	1830 µg/L	2000 µg/L	91.3	60.0	140	----
<b>Hydrocarbons (QCLot: 494591)</b>										
WT2203988-001	Anonymous	F1 (C6-C10)	----	E581.F1-L	1730 µg/L	2000 µg/L	86.5	60.0	140	----

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2204113-001-E601.SG  
 Client Sample ID: GW-12566614-051722-NG-001



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

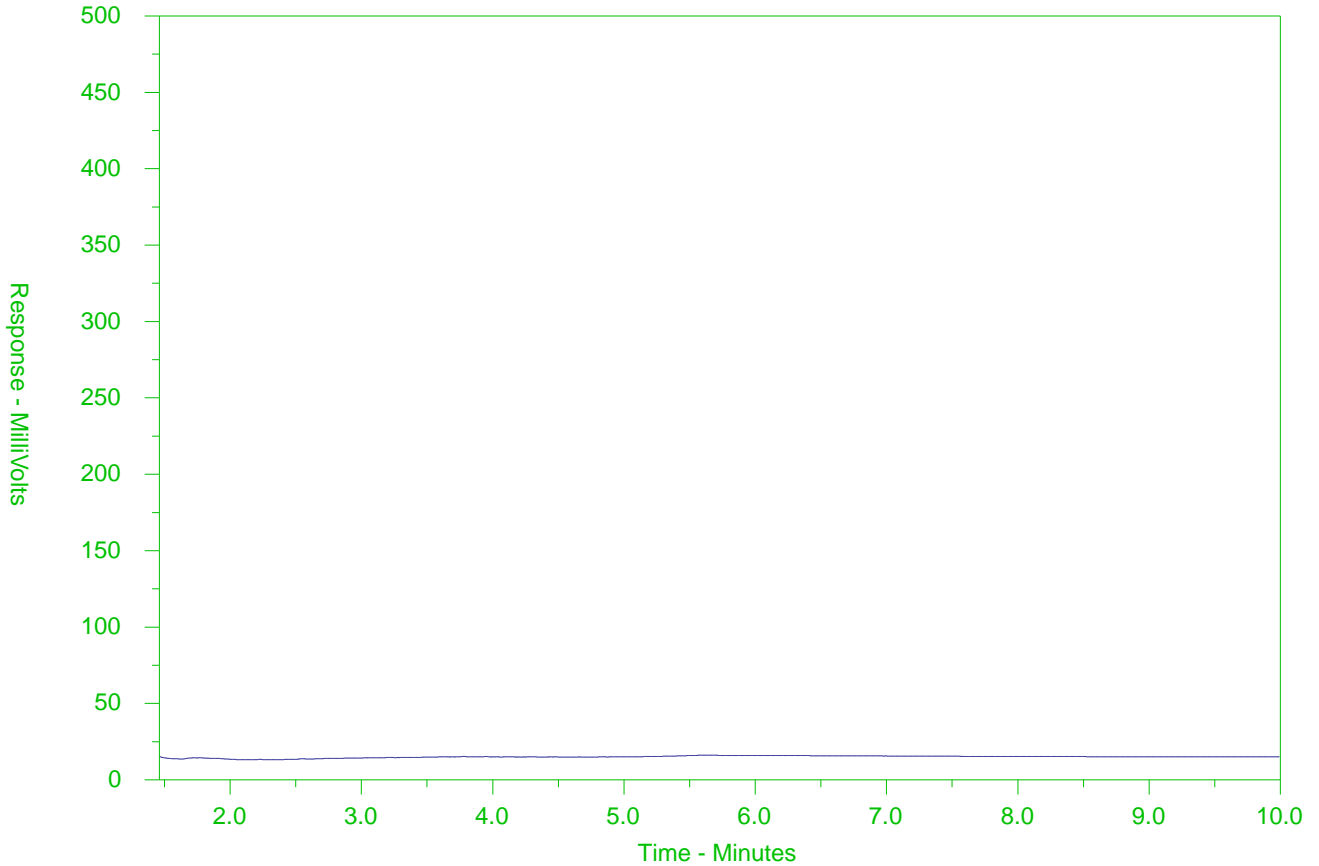
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2204113-002-E601.SG  
 Client Sample ID: GW-12566614-051722-NG-002



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

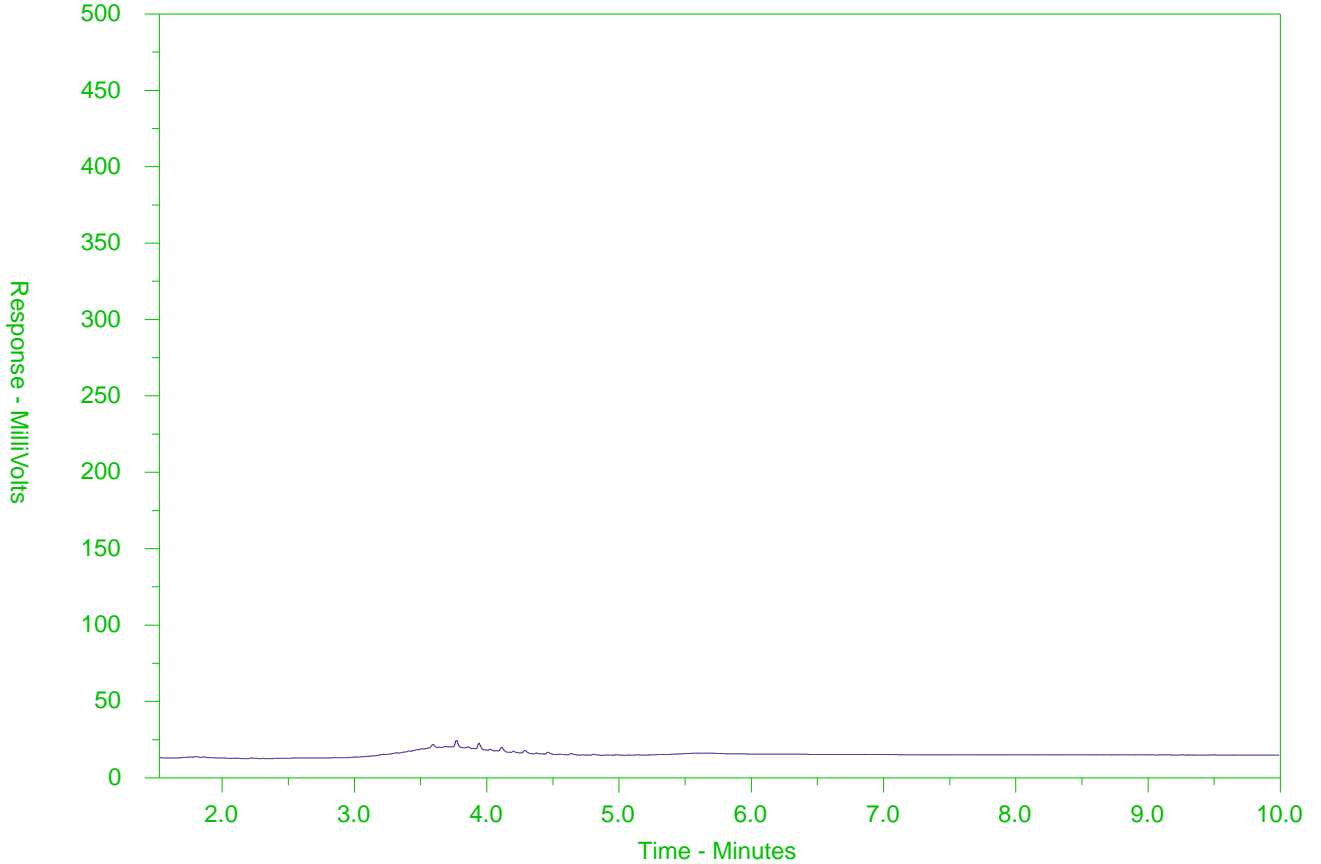
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2204113-003-E601.SG  
 Client Sample ID: GW-12566614-051722-NG-003



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

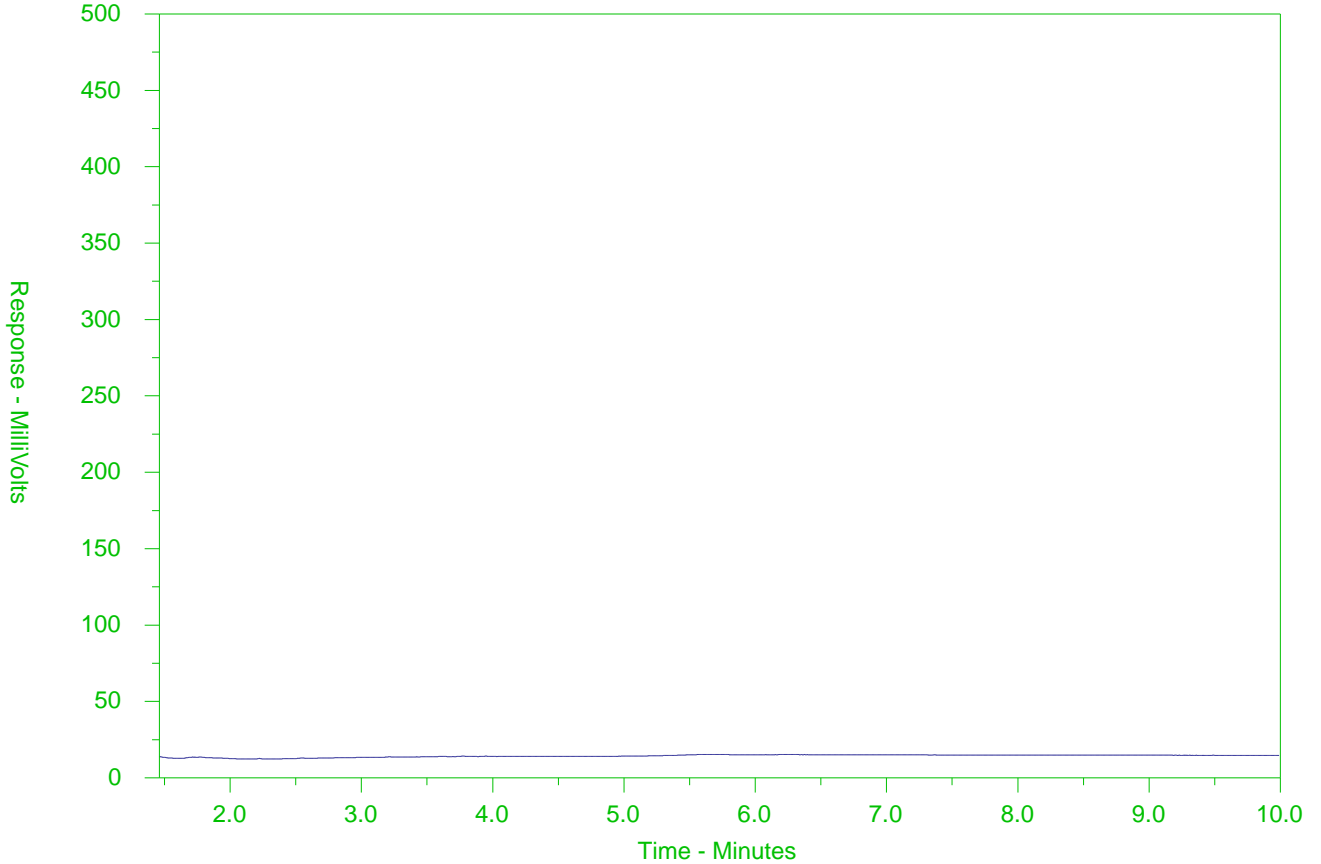
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2204113-004-E601.SG  
 Client Sample ID: GW-12566614-051722-NG-004



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).





Environmental Division  
Waterloo  
Work Order Reference  
WT2204113



Telephone : + 1 519 886 6910

Report To: Contact and company name below will appear on the final report

Company: GHD Ltd. (Acct 13791)

Contact: Pascal Renella

Phone: 519-884-0510

Street: 485 Phillip St.

City/Province: Waterloo, ON

Postal Code: N2L 3X2

Invoice To: Same as Report To  YES  NO

Copy of Invoice with Report  YES  NO

Company: GHD Ltd. (Acct 13791)

Contact: Email 1 or Fax Invoicing: Canada@ghd.com

Project Information: Email 2

ALS Account # / Quote #: GHD100/WT2022GHDL1000057

Job #: 12566614

PO / AFE: Major/Minor Code: Routing Code:

LSD: Requisitioner: Location:

ALS Lab Work Order # (lab use only): 252204113

ALS Contact: Rick H

ALS Sample # (lab use only):

Sample Identification and/or Coordinates (This description will appear on the report)

Date (dd-mm-yy)

Time (hh:mm)

Sample Type

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Reports / Recipients:  PDF  EXCEL  EDD (DIGITAL)

Select Report Format: Merge QC/QCI Reports with COA  YES  NO  N/A

Compare Results to Criteria on Report - provide details below if box checked

Select Distribution:  EMAIL  MAIL  FAX

Email 1 or Fax: pascal.renella@ghd.com

Email 2: See SSOV/PO

Email 3:

Invoice Recipients: Select Invoice Distribution:  EMAIL  MAIL  FAX

Oil and Gas Required Fields (client use)

AFE/Cost Center: PO#

Major/Minor Code: Routing Code:

Requisitioner: Location:

Sampler:

NUMBER OF CONTAINERS

Metal/Inorganics

PAHS

PHC

VOCS

BTEX

Trip Blank -F1

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

SAMPLES ON HOLD

EXTENDED STORAGE REQUIRED

SUSPECTED HAZARD (see notes)

Turnaround Time (TAT) Requested

Routine [R] if received by 3pm M-F - no surcharges apply

4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum

3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum

2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum

1 day [E] if received by 3pm M-F - 100% rush surcharge minimum

Same day [E2] if received by 10am M-S - 200% rush surcharge. Ad fees may apply to rush requests on weekends, statutory holidays and routine tests

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the T,

Analysis Request

Shipping Method:  NONE  ICE  ICE PACKS  FROZEN  COOLING INITIATED

Submission Comments identified on Sample Receipt Notification:  YES  NO

Cooler Custody Seals Intact:  YES  N/A

Sample Custody Seals Intact:  YES  N/A

INITIAL COOLER TEMPERATURES °C

INITIAL COOLER TEMPERATURES °C

14.5

8.1

Shipping Method:  NONE  ICE  ICE PACKS  FROZEN  COOLING INITIATED

Submission Comments identified on Sample Receipt Notification:  YES  NO

Cooler Custody Seals Intact:  YES  N/A

Sample Custody Seals Intact:  YES  N/A

INITIAL COOLER TEMPERATURES °C

INITIAL COOLER TEMPERATURES °C

14.5

8.1

Shipping Method:  NONE  ICE  ICE PACKS  FROZEN  COOLING INITIATED

Submission Comments identified on Sample Receipt Notification:  YES  NO

Cooler Custody Seals Intact:  YES  N/A

Sample Custody Seals Intact:  YES  N/A

INITIAL COOLER TEMPERATURES °C

INITIAL COOLER TEMPERATURES °C

14.5

8.1

Shipping Method:  NONE  ICE  ICE PACKS  FROZEN  COOLING INITIATED

Submission Comments identified on Sample Receipt Notification:  YES  NO

Cooler Custody Seals Intact:  YES  N/A

Sample Custody Seals Intact:  YES  N/A

INITIAL COOLER TEMPERATURES °C

INITIAL COOLER TEMPERATURES °C

14.5

8.1

Shipping Method:  NONE  ICE  ICE PACKS  FROZEN  COOLING INITIATED

Submission Comments identified on Sample Receipt Notification:  YES  NO

Drinking Water (DW) Samples (client use) Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only) \* TRIP BLANK EMPTY CF / 05/17/22

Released by: Michael Gwata Date: 14/5/22

Time: 15:45

Received by: [Signature]

Date: 17/7/22

Time: 3:45

Received by: [Signature]

Date: May 19/22

Time: 9:30

Released by: [Signature]

Date: May 19/22

Time: 9:30

SHIPMENT RELEASE (client use) INITIAL SHIPMENT RECEPTION (lab use only) FINAL SHIPMENT RECEPTION (lab use only)

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

ALS 2020 FORM





Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 20 -

Page

Environmental Division
Waterloo
Work Order Reference
WT2204113



Telephone : + 1 519 886 6910

Contact and company name below will appear on the final report

Reports / Recipients

Turnaround Time (TAT) Requested

Company: GHD Ltd. (Acct 13791)
Contact: Pascal Renella
Phone: 519-884-0510
Street: 455 Phillip St.
City/Province: Waterloo, ON
Postal Code: N2L 3X2

Select Report Format: PDF, EXCEL, EDD (DIGITAL)
Merge QC/QCI Reports with COA
Compare Results to Criteria on Report
Select Distribution: EMAIL, MAIL, FAX
Email 1 or Fax: pascal.renella@ghd.com
Email 2: See SSO/W/PO
Email 3:

Turnaround Time (TAT) Requested
[X] Routine [R] if received by 3pm M-F - no surcharges apply
[ ] 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum
[ ] 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum
[ ] 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum
[ ] 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum
Same day [E2] if received by 10am M-S - 200% rush surcharge. Ad fees may apply to rush requests on weekends, statutory holidays and routine tests

Invoice To: Same as Report To
Copy of Invoice with Report: YES, NO

Select Invoice Distribution: EMAIL, MAIL, FAX
Email 1 or Fax Invoicing: Canada@ghd.com
Email 2
Email 3

Date and Time Required for all E&P TATs:
For tests that can not be performed according to the TAT

Company: GHD Ltd. (Acct 13791)
Contact:
ALS Account # / Quote #: GHD100/W/T2022GHDL1000057
Job #: 12566614
PO / A/E:
LSD:

Project Information
Oil and Gas Required Fields (client use)
AFE/Cost Center:
Major/Minor Code:
Requisitioner:
Location:

Analysis Request
Indicate Filtered (F), Preserved (P) or Filtered and Preserved (FP) below

ALS Lab Work Order # (lab use only): W2204113

ALS Contact: Rick H
Sampler:

Table with columns: NUMBER OF CONTAINERS, Metal/Inorganics, PAHS, PHC, VOCs, BTEX, Trip Blank -F1

ALS Sample # (lab use only)
Sample Identification and/or Coordinates (This description will appear on the report)

Table with columns: Date (dd-mm-yy), Time (hh:mm), Sample Type

Table with columns: SAMPLES ON HOLD, EXTENDED STORAGE REQUIRED, SUSPECTED HAZARD (see notes)

Drinking Water (DW) Samples (client use)
Are samples taken from a Regulated DW System?
Are samples for human consumption/ use?

Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)
\* TRIP BLANK EMPTY CF / 05/17/22

Cooling Method: NONE, ICE, ICE PACKS, FROZEN, COOLING INITIATED
Submission Comments identified on Sample Receipt Notification:
Cooler Custody Seals Intact: YES, NO
Sample Custody Seals Intact: YES, NO
INITIAL COOLER TEMPERATURES °C
FINAL COOLER TEMPERATURES °C

Released by: Nicki Gwata
Date: 17/5/22

INITIAL SHIPMENT RECEPTION (lab use only)
Received by:
Date: 17/7/22

FINAL SHIPMENT RECEPTION (lab use only)
Received by: BTB
Date: May 19/22

Time: 9:30

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.
If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.



## CERTIFICATE OF ANALYSIS

Work Order	: <b>WT2204544</b>	Page	: 1 of 10
Client	: <b>GHD Limited</b>	Laboratory	: Waterloo - Environmental
Contact	: Pascal Renella	Account Manager	: Rick Hawthorne
Address	: 455 Phillip Street Waterloo ON Canada N2L 3X2	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: 519 725 3313	Telephone	: +1 519 886 6910
Project	: 12566614	Date Samples Received	: 27-May-2022 10:30
PO	: 735-002942	Date Analysis	: 28-May-2022
		Commenced	
C-O-C number	: ----	Issue Date	: 07-Jun-2022 12:52
Sampler	: ----		
Site	: ----		
Quote number	: 12566614-SSOW-735-002942		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Jeremy Gingras	Team Leader - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Metals, Waterloo, Ontario
Sarah Birch	Team Leader - Volatiles	Organics, Waterloo, Ontario



## General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances  
LOR: Limit of Reporting (detection limit).

<i>Unit</i>	<i>Description</i>
-	No Unit
µg/L	micrograms per litre
mg/L	milligrams per litre
mS/cm	millisiemens per centimetre
pH units	pH units

>: greater than.

<: less than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

## Sample Comments

<i>Sample</i>	<i>Client Id</i>	<i>Comment</i>
WT2204544-004	GW-12566614-052622-NG-00 8	<b>ALS Sample #4 NG-008: Insufficient Sample. Test could not be conducted for EC,PH,CL.</b>

## Qualifiers

<i>Qualifier</i>	<i>Description</i>
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).





## Analytical Results

WT2204544-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052522-NG-005

Client sampling date / time: 25-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
conductivity	----	2.90	0.0010	mS/cm	E100	28-May-2022	28-May-2022	502956
pH	----	7.54	0.10	pH units	E108	28-May-2022	28-May-2022	502955
<b>Anions and Nutrients</b>								
chloride	16887-00-6	749 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	28-May-2022	30-May-2022	502949
<b>Cyanides</b>								
cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	30-May-2022	30-May-2022	504606
<b>Dissolved Metals</b>								
antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
barium, dissolved	7440-39-3	129 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
cobalt, dissolved	7440-48-4	1.46 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	31-May-2022	31-May-2022	505316
molybdenum, dissolved	7439-98-7	7.98 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
nickel, dissolved	7440-02-0	5.87 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
selenium, dissolved	7782-49-2	0.914 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
sodium, dissolved	7440-23-5	336000 <sup>DLHC</sup>	500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
uranium, dissolved	7440-61-1	10.4 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
dissolved mercury filtration location	----	Field	-	-	EP509	-	31-May-2022	505316
dissolved metals filtration location	----	Field	-	-	EP421	-	02-Jun-2022	507519
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	30-May-2022	504601
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
benzene	71-43-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059



## Analytical Results

WT2204544-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052522-NG-005

Client sampling date / time: 25-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
styrene	100-42-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
toluene	108-88-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
BTEX, total	----	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	91.7	1.0	%	E611D	31-May-2022	31-May-2022	505059
difluorobenzene, 1,4-	540-36-3	97.2	1.0	%	E611D	31-May-2022	31-May-2022	505059
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	31-May-2022	31-May-2022	505060
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	01-Jun-2022	07-Jun-2022	506541
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	01-Jun-2022	07-Jun-2022	506541
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	01-Jun-2022	07-Jun-2022	506541
F1-BTEX	----	<25	25	µg/L	EC580	-	01-Jun-2022	-
hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	01-Jun-2022	-
chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	01-Jun-2022	07-Jun-2022	506541
<b>Hydrocarbons Surrogates</b>								
bromobenzotrifluoride, 2- (F2-F4 surr)	392-83-6	86.9	1.0	%	E601.SG	01-Jun-2022	07-Jun-2022	506541
dichlorotoluene, 3,4-	97-75-0	84.6	1.0	%	E581.F1-L	31-May-2022	31-May-2022	505060
<b>Polycyclic Aromatic Hydrocarbons</b>								
acenaphthene	83-32-9	0.013	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
anthracene	120-12-7	0.040	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540



## Analytical Results

WT2204544-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052522-NG-005

Client sampling date / time: 25-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
chrysene	218-01-9	0.012	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
fluoranthene	206-44-0	0.117	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
fluorene	86-73-7	0.043	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
methylnaphthalene, 1-	90-12-0	0.024	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
methylnaphthalene, 1+2-	----	0.064	0.015	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
methylnaphthalene, 2-	91-57-6	0.040	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
phenanthrene	85-01-8	0.486	0.020	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
pyrene	129-00-0	0.108	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
chrysene-d12	1719-03-5	117	0.1	%	E641A	01-Jun-2022	02-Jun-2022	506540
naphthalene-d8	1146-65-2	92.7	0.1	%	E641A	01-Jun-2022	02-Jun-2022	506540
phenanthrene-d10	1517-22-2	113	0.1	%	E641A	01-Jun-2022	02-Jun-2022	506540

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2204544-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052622-NG-006

Client sampling date / time: 26-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
conductivity	----	7.76	0.0010	mS/cm	E100	28-May-2022	28-May-2022	502956
pH	----	7.84	0.10	pH units	E108	28-May-2022	28-May-2022	502955
<b>Anions and Nutrients</b>								
chloride	16887-00-6	2820 <sup>DLDS</sup>	10.0	mg/L	E235.Cl	28-May-2022	30-May-2022	502949
<b>Cyanides</b>								
cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	30-May-2022	30-May-2022	504606
<b>Dissolved Metals</b>								
antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
barium, dissolved	7440-39-3	573 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
cadmium, dissolved	7440-43-9	0.0799 <sup>DLHC</sup>	0.0500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
cobalt, dissolved	7440-48-4	1.23 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
copper, dissolved	7440-50-8	3.75 <sup>DLHC</sup>	2.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
mercury, dissolved	7439-97-6	<0.0050 <sup>DLHC</sup>	0.0050	µg/L	E509	31-May-2022	31-May-2022	505316
molybdenum, dissolved	7439-98-7	6.93 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519





## Analytical Results

WT2204544-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052622-NG-006

Client sampling date / time: 26-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QC Lot
<b>Dissolved Metals</b>								
selenium, dissolved	7782-49-2	0.745 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
sodium, dissolved	7440-23-5	1570000 <sup>DLHC</sup>	5000	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
uranium, dissolved	7440-61-1	10.3 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
dissolved mercury filtration location	----	Field	-	-	EP509	-	31-May-2022	505316
dissolved metals filtration location	----	Field	-	-	EP421	-	02-Jun-2022	507519
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	30-May-2022	504601
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
benzene	71-43-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
styrene	100-42-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
toluene	108-88-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059



## Analytical Results

WT2204544-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052622-NG-006

Client sampling date / time: 26-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
BTEX, total	----	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	91.0	1.0	%	E611D	31-May-2022	31-May-2022	505059
difluorobenzene, 1,4-	540-36-3	97.5	1.0	%	E611D	31-May-2022	31-May-2022	505059
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	31-May-2022	31-May-2022	505060
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	01-Jun-2022	07-Jun-2022	506541
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	01-Jun-2022	07-Jun-2022	506541
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	01-Jun-2022	07-Jun-2022	506541
F1-BTEX	----	<25	25	µg/L	EC580	-	01-Jun-2022	-
hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	01-Jun-2022	-
chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	01-Jun-2022	07-Jun-2022	506541
<b>Hydrocarbons Surrogates</b>								
bromobenzotrifluoride, 2- (F2-F4 surr)	392-83-6	92.6	1.0	%	E601.SG	01-Jun-2022	07-Jun-2022	506541
dichlorotoluene, 3,4-	97-75-0	88.0	1.0	%	E581.F1-L	31-May-2022	31-May-2022	505060
<b>Polycyclic Aromatic Hydrocarbons</b>								
acenaphthene	83-32-9	0.045	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
anthracene	120-12-7	0.018	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
chrysene	218-01-9	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
fluoranthene	206-44-0	0.048	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
fluorene	86-73-7	0.074	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
methylnaphthalene, 1-	90-12-0	0.144	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
methylnaphthalene, 1+2-	----	0.224	0.015	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
methylnaphthalene, 2-	91-57-6	0.080	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
phenanthrene	85-01-8	0.638	0.020	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
pyrene	129-00-0	0.100	0.010	µg/L	E641A	01-Jun-2022	02-Jun-2022	506540
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
chrysene-d12	1719-03-5	103	0.1	%	E641A	01-Jun-2022	02-Jun-2022	506540
naphthalene-d8	1146-65-2	115	0.1	%	E641A	01-Jun-2022	02-Jun-2022	506540
phenanthrene-d10	1517-22-2	131	0.1	%	E641A	01-Jun-2022	02-Jun-2022	506540

Please refer to the General Comments section for an explanation of any qualifiers detected.



## Analytical Results

WT2204544-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052622-NG-007

Client sampling date / time: 26-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
benzene	71-43-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
styrene	100-42-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
toluene	108-88-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
BTEX, total	----	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	92.4	1.0	%	E611D	31-May-2022	31-May-2022	505059
difluorobenzene, 1,4-	540-36-3	97.2	1.0	%	E611D	31-May-2022	31-May-2022	505059

Please refer to the General Comments section for an explanation of any qualifiers detected.



## Analytical Results

WT2204544-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052622-NG-008

Client sampling date / time: 26-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Cyanides</b>								
cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	30-May-2022	30-May-2022	504606
<b>Dissolved Metals</b>								
antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
barium, dissolved	7440-39-3	473 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
cobalt, dissolved	7440-48-4	2.78 <sup>DLHC</sup>	1.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
mercury, dissolved	7439-97-6	<0.0050 <sup>DLHC</sup>	0.0050	µg/L	E509	31-May-2022	31-May-2022	505316
molybdenum, dissolved	7439-98-7	17.4 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
nickel, dissolved	7440-02-0	9.96 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
selenium, dissolved	7782-49-2	0.701 <sup>DLHC</sup>	0.500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
sodium, dissolved	7440-23-5	381000 <sup>DLHC</sup>	500	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
uranium, dissolved	7440-61-1	5.51 <sup>DLHC</sup>	0.100	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	02-Jun-2022	02-Jun-2022	507519
dissolved mercury filtration location	----	Field	-	-	EP509	-	31-May-2022	505316
dissolved metals filtration location	----	Field	-	-	EP421	-	02-Jun-2022	507519
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	30-May-2022	504601
<b>Volatile Organic Compounds</b>								
acetone	67-64-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
benzene	71-43-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromoform	75-25-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
chloroform	67-66-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059



## Analytical Results

WT2204544-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12566614-052622-NG-008

Client sampling date / time: 26-May-2022

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	31-May-2022	31-May-2022	505059
methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
styrene	100-42-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
toluene	108-88-3	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	31-May-2022	31-May-2022	505059
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	31-May-2022	31-May-2022	505059
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	31-May-2022	31-May-2022	505059
BTEX, total	----	<1.0	1.0	µg/L	E611D	31-May-2022	31-May-2022	505059
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	90.4	1.0	%	E611D	31-May-2022	31-May-2022	505059
difluorobenzene, 1,4-	540-36-3	97.6	1.0	%	E611D	31-May-2022	31-May-2022	505059
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	31-May-2022	31-May-2022	505060
F1-BTEX	----	<25	25	µg/L	EC580	-	01-Jun-2022	-
<b>Hydrocarbons Surrogates</b>								
dichlorotoluene, 3,4-	97-75-0	85.0	1.0	%	E581.F1-L	31-May-2022	31-May-2022	505060

Please refer to the General Comments section for an explanation of any qualifiers detected.



## QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: <b>WT2204544</b>	Page	: 1 of 11
Client	: <b>GHD Limited</b>	Laboratory	: Waterloo - Environmental
Contact	: Pascal Renella	Account Manager	: Rick Hawthorne
Address	: 455 Phillip Street Waterloo ON Canada N2L 3X2	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 519 725 3313	Telephone	: +1 519 886 6910
Project	: 12566614	Date Samples Received	: 27-May-2022 10:30
PO	: 735-002942	Issue Date	: 07-Jun-2022 12:53
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: 12566614-SSOW-735-002942		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

### Key

**Anonymous:** Refers to samples which are not part of this work order, but which formed part of the QC process lot.

**CAS Number:** Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

**DQO:** Data Quality Objective.

**LOR:** Limit of Reporting (detection limit).

**RPD:** Relative Percent Difference.

### **Workorder Comments**

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

### **Summary of Outliers**

#### **Outliers : Quality Control Samples**

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- Matrix Spike outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

#### **Outliers: Reference Material (RM) Samples**

- No Reference Material (RM) Sample outliers occur.

#### **Outliers : Analysis Holding Time Compliance (Breaches)**

- Analysis Holding Time Outliers exist - please see following pages for full details.

#### **Outliers : Frequency of Quality Control Samples**

- No Quality Control Sample Frequency Outliers occur.







**Outliers : Quality Control Samples**

*Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes*

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
<b>Matrix Spike (MS) Recoveries</b>								
Dissolved Metals	Anonymous	Anonymous	selenium, dissolved	7782-49-2	E421	132 % <sup>MES</sup>	70.0-130%	Recovery greater than upper data quality objective
Volatile Organic Compounds	Anonymous	Anonymous	tetrachloroethane, 1,1,2,2-	79-34-5	E611D	34.9 % <sup>RRQC</sup>	60.0-140%	Recovery less than lower data quality objective

**Result Qualifiers**

Qualifier	Description
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
RRQC	Refer to report comments for information regarding this QC result.



## Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Anions and Nutrients : Chloride in Water by IC</b>										
<b>HDPE</b> GW-12566614-052622-NG-006	E235.Cl	26-May-2022	----	----	----		30-May-2022	28 days	5 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
<b>HDPE</b> GW-12566614-052522-NG-005	E235.Cl	25-May-2022	----	----	----		30-May-2022	28 days	6 days	✓
<b>Cyanides : WAD Cyanide</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12566614-052622-NG-006	E336	26-May-2022	----	----	----		30-May-2022	14 days	5 days	✓
<b>Cyanides : WAD Cyanide</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12566614-052622-NG-008	E336	26-May-2022	----	----	----		30-May-2022	14 days	5 days	✓
<b>Cyanides : WAD Cyanide</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12566614-052522-NG-005	E336	25-May-2022	----	----	----		30-May-2022	14 days	6 days	✓
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>										
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12566614-052622-NG-006	E509	26-May-2022	31-May-2022	----	----		31-May-2022	28 days	5 days	✓
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>										
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12566614-052622-NG-008	E509	26-May-2022	31-May-2022	----	----		31-May-2022	28 days	5 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12566614-052522-NG-005	E509	25-May-2022	31-May-2022	----	----		31-May-2022	28 days	6 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12566614-052622-NG-006	E421	26-May-2022	02-Jun-2022	----	----		02-Jun-2022	180 days	7 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12566614-052622-NG-008	E421	26-May-2022	02-Jun-2022	----	----		02-Jun-2022	180 days	7 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12566614-052522-NG-005	E421	25-May-2022	02-Jun-2022	----	----		02-Jun-2022	180 days	8 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052622-NG-006	E581.F1-L	26-May-2022	31-May-2022	----	----		31-May-2022	14 days	5 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052622-NG-008	E581.F1-L	26-May-2022	31-May-2022	----	----		31-May-2022	14 days	5 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052522-NG-005	E581.F1-L	25-May-2022	31-May-2022	----	----		31-May-2022	14 days	6 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-052622-NG-006	E601.SG	26-May-2022	01-Jun-2022	14 days	6 days	✔	07-Jun-2022	40 days	6 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-052522-NG-005	E601.SG	25-May-2022	01-Jun-2022	14 days	7 days	✔	07-Jun-2022	40 days	6 days	✔	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Physical Tests : Conductivity in Water</b>											
<b>HDPE</b> GW-12566614-052622-NG-006	E100	26-May-2022	----	----	----		28-May-2022	28 days	3 days	✓	
<b>Physical Tests : Conductivity in Water</b>											
<b>HDPE</b> GW-12566614-052522-NG-005	E100	25-May-2022	----	----	----		28-May-2022	28 days	4 days	✓	
<b>Physical Tests : pH by Meter</b>											
<b>HDPE</b> GW-12566614-052622-NG-006	E108	26-May-2022	----	----	----		28-May-2022	0.25 hrs	64 hrs	* EHTR-FM	
<b>Physical Tests : pH by Meter</b>											
<b>HDPE</b> GW-12566614-052522-NG-005	E108	25-May-2022	----	----	----		28-May-2022	0.25 hrs	88 hrs	* EHTR-FM	
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-052622-NG-006	E641A	26-May-2022	01-Jun-2022	14 days	6 days	✓	02-Jun-2022	40 days	1 days	✓	
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12566614-052522-NG-005	E641A	25-May-2022	01-Jun-2022	14 days	7 days	✓	02-Jun-2022	40 days	1 days	✓	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE (sodium hydroxide+ammonium hydroxide+ammonium sulfate)</b> GW-12566614-052622-NG-006	E532A	26-May-2022	----	----	----		30-May-2022	28 days	5 days	✓	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE (sodium hydroxide+ammonium hydroxide+ammonium sulfate)</b> GW-12566614-052622-NG-008	E532A	26-May-2022	----	----	----		30-May-2022	28 days	5 days	✓	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE (sodium hydroxide+ammonium hydroxide+ammonium sulfate)</b> GW-12566614-052522-NG-005	E532A	25-May-2022	----	----	----		30-May-2022	28 days	6 days	✓	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052622-NG-006	E611D	26-May-2022	31-May-2022	----	----		31-May-2022	14 days	5 days	✓
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052622-NG-007	E611D	26-May-2022	31-May-2022	----	----		31-May-2022	14 days	5 days	✓
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052622-NG-008	E611D	26-May-2022	31-May-2022	----	----		31-May-2022	14 days	5 days	✓
<b>Volatile Organic Compounds : VOCs (ON List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12566614-052522-NG-005	E611D	25-May-2022	31-May-2022	----	----		31-May-2022	14 days	6 days	✓

**Legend & Qualifier Definitions**

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended  
 Rec. HT: ALS recommended hold time (see units).



## Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water** Evaluation: \* = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
<b>Analytical Methods</b>							
<b>Laboratory Duplicates (DUP)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	505060	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	502949	1	19	5.2	5.0	✓
Conductivity in Water	E100	502956	1	17	5.8	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	504601	1	20	5.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	505316	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	507519	1	20	5.0	5.0	✓
pH by Meter	E108	502955	1	18	5.5	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	505059	2	16	12.5	5.0	✓
WAD Cyanide	E336	504606	1	9	11.1	5.0	✓
<b>Laboratory Control Samples (LCS)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	505060	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	502949	1	19	5.2	5.0	✓
Conductivity in Water	E100	502956	1	17	5.8	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	504601	1	20	5.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	505316	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	507519	1	20	5.0	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	506540	1	10	10.0	5.0	✓
pH by Meter	E108	502955	1	18	5.5	5.0	✓
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	506541	1	13	7.6	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	505059	1	16	6.2	5.0	✓
WAD Cyanide	E336	504606	1	9	11.1	5.0	✓
<b>Method Blanks (MB)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	505060	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	502949	1	19	5.2	5.0	✓
Conductivity in Water	E100	502956	1	17	5.8	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	504601	1	20	5.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	505316	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	507519	1	20	5.0	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	506540	1	10	10.0	5.0	✓
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	506541	1	13	7.6	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	505059	1	16	6.2	5.0	✓
WAD Cyanide	E336	504606	1	9	11.1	5.0	✓
<b>Matrix Spikes (MS)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	505060	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	502949	1	19	5.2	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	504601	1	20	5.0	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	505316	1	20	5.0	5.0	✓



Matrix: **Water** Evaluation: \* = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
			QC	Regular	Actual	Expected	Evaluation
<i>Analytical Methods</i>							
Matrix Spikes (MS) - Continued							
Dissolved Metals in Water by CRC ICPMS	E421	507519	1	20	5.0	5.0	✓
VOCs (ON List) by Headspace GC-MS	E611D	505059	1	16	6.2	5.0	✓
WAD Cyanide	E336	504606	1	9	11.1	5.0	✓





## Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Waterloo - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Waterloo - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Waterloo - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
WAD Cyanide	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by Continuous Flow Analyzer (CFA) with in-line distillation followed by colourmetric analysis.
Dissolved Metals in Water by CRC ICPMS	E421 Waterloo - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Mercury in Water by CVAAS	E509 Waterloo - Environmental	Water	APHA 3030B/EPA 1631E (mod)	Water samples are filtered (0.45 um), preserved with HCl, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A Waterloo - Environmental	Water	APHA 3500-Cr C (Ion Chromatography)	Hexavalent Chromium is measured by Ion chromatography-Post column reaction and UV detection.  sample pretreatment involved field or lab filtration following by sample preservation.
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	CCME Fraction 1 (F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	Sample extracts are subjected to in-situ silica gel treatment prior to analysis by GC-FID for CCME hydrocarbon fractions (F2-F4).
VOCs (ON List) by Headspace GC-MS	E611D Waterloo - Environmental	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.



<i>Analytical Methods</i>	<i>Method / Lab</i>	<i>Matrix</i>	<i>Method Reference</i>	<i>Method Descriptions</i>
PAHs by Hexane LVI GC-MS	E641A  Waterloo - Environmental	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
F1-BTEX	EC580  Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	F1-BTEX is calculated as follows: F1-BTEX = F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).
SUM F1 to F4 where F2-F4 is SG treated	EC581SG  Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	Hydrocarbons, total (C6-C50) is the sum of CCME Fraction F1(C6-C10), F2(C10-C16), F3(C16-C34), and F4(C34-C50), where F2-F4 have been treated with silica gel. F4G-sg is not used within this calculation due to overlap with other fractions.
<i>Preparation Methods</i>	<i>Method / Lab</i>	<i>Matrix</i>	<i>Method Reference</i>	<i>Method Descriptions</i>
Dissolved Metals Water Filtration	EP421  Waterloo - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO <sub>3</sub> .
Dissolved Mercury Water Filtration	EP509  Waterloo - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HCl.
VOCs Preparation for Headspace Analysis	EP581  Waterloo - Environmental	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into the GC/MS-FID system.
PHCs and PAHs Hexane Extraction	EP601  Waterloo - Environmental	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.



## QUALITY CONTROL REPORT

**Work Order** : **WT2204544**  
Client : GHD Limited  
Contact : Pascal Renella  
Address : 455 Phillip Street  
Waterloo ON Canada N2L 3X2  
Telephone : 519 725 3313  
Project : 12566614  
PO : 735-002942  
C-O-C number : ----  
Sampler : ----  
Site : ----  
Quote number : 12566614-SSOW-735-002942  
No. of samples received : 4  
No. of samples analysed : 4

Page : 1 of 14  
Laboratory : Waterloo - Environmental  
Account Manager : Rick Hawthorne  
Address : 60 Northland Road, Unit 1  
Waterloo, Ontario Canada N2V 2B8  
Telephone : +1 519 886 6910  
Date Samples Received : 27-May-2022 10:30  
Date Analysis Commenced : 28-May-2022  
Issue Date : 07-Jun-2022 12:53

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Jeremy Gingras	Team Leader - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Waterloo Inorganics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Waterloo Metals, Waterloo, Ontario
Sarah Birch	Team Leader - Volatiles	Waterloo Organics, Waterloo, Ontario

Page : 2 of 14  
Work Order : WT2204544  
Client : GHD Limited  
Project : 12566614

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## **General Comments**

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

# = Indicates a QC result that did not meet the ALS DQO.

## **Workorder Comments**

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Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

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### Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: <b>Water</b>					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Physical Tests (QC Lot: 502955)</b>											
WT2204540-030	Anonymous	pH	----	E108	0.10	pH units	6.81	6.81	0	Diff <2x LOR	----
<b>Physical Tests (QC Lot: 502956)</b>											
WT2204540-030	Anonymous	conductivity	----	E100	2.0	µS/cm	28.9	28.8	0.1	Diff <2x LOR	----
<b>Anions and Nutrients (QC Lot: 502949)</b>											
WT2204540-030	Anonymous	chloride	16887-00-6	E235.Cl	0.50	mg/L	<0.50	<0.50	0	Diff <2x LOR	----
<b>Cyanides (QC Lot: 504606)</b>											
WT2204494-002	Anonymous	cyanide, weak acid dissociable	----	E336	0.0020	mg/L	<2.0 µg/L	<0.0020	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 505316)</b>											
WT2204494-002	Anonymous	mercury, dissolved	7439-97-6	E509	0.000050	mg/L	<0.0050 µg/L	<0.000050	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 507519)</b>											
WT2204494-002	Anonymous	antimony, dissolved	7440-36-0	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00100	mg/L	90.8 µg/L	0.0915	0.718%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000200	mg/L	<0.200 µg/L	<0.000200	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.100	mg/L	<100 µg/L	<0.100	0	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000500	mg/L	<0.0500 µg/L	<0.0000500	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00200	mg/L	<2.00 µg/L	<0.00200	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000500	mg/L	<0.500 µg/L	<0.000500	0	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000500	mg/L	<0.500 µg/L	<0.000500	0	Diff <2x LOR	----
		nickel, dissolved	7440-02-0	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000500	mg/L	<0.500 µg/L	<0.000500	0	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.000100	mg/L	<0.100 µg/L	<0.000100	0	Diff <2x LOR	----
		sodium, dissolved	7440-23-5	E421	0.500	mg/L	48200 µg/L	49.6	2.70%	20%	----
		thallium, dissolved	7440-28-0	E421	0.000100	mg/L	<0.100 µg/L	<0.000100	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000100	mg/L	<0.100 µg/L	<0.000100	0	Diff <2x LOR	----
		vanadium, dissolved	7440-62-2	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0100	mg/L	<10.0 µg/L	<0.0100	0	Diff <2x LOR	----
<b>Speciated Metals (QC Lot: 504601)</b>											
WT2204494-002	Anonymous	chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.00050	mg/L	<0.50 µg/L	<0.00050	0	Diff <2x LOR	----



Sub-Matrix: **Water**

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Volatile Organic Compounds (QC Lot: 505059)</b>											
WT2204497-003	Anonymous	ethylbenzene	100-41-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		styrene	100-42-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
WT2204497-003	Anonymous	acetone	67-64-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		benzene	71-43-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		bromodichloromethane	75-27-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		bromoform	75-25-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		bromomethane	74-83-9	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		carbon tetrachloride	56-23-5	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		chlorobenzene	108-90-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		chloroform	67-66-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dibromochloromethane	124-48-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dibromoethane, 1,2-	106-93-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		dichlorobenzene, 1,2-	95-50-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorobenzene, 1,3-	541-73-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorobenzene, 1,4-	106-46-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorodifluoromethane	75-71-8	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethane, 1,1-	75-34-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethane, 1,2-	107-06-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, 1,1-	75-35-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, cis-1,2-	156-59-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, trans-1,2-	156-60-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloromethane	75-09-2	E611D	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		dichloropropane, 1,2-	78-87-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloropropylene, cis-1,3-	10061-01-5	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		dichloropropylene, trans-1,3-	10061-02-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		hexane, n-	110-54-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethylene	127-18-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		toluene	108-88-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichloroethane, 1,1,1-	71-55-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichloroethane, 1,1,2-	79-00-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----

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 Work Order : WT2204544  
 Client : GHD Limited  
 Project : 12566614



Sub-Matrix: **Water**

*Laboratory Duplicate (DUP) Report*

<i>Laboratory sample ID</i>	<i>Client sample ID</i>	<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>LOR</i>	<i>Unit</i>	<i>Original Result</i>	<i>Duplicate Result</i>	<i>RPD(%) or Difference</i>	<i>Duplicate Limits</i>	<i>Qualifier</i>
<b>Volatile Organic Compounds (QC Lot: 505059) - continued</b>											
WT2204497-003	Anonymous	trichloroethylene	79-01-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichlorofluoromethane	75-69-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		vinyl chloride	75-01-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		xylene, m+p-	179601-23-1	E611D	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		xylene, o-	95-47-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
<b>Hydrocarbons (QC Lot: 505060)</b>											
WT2204497-003	Anonymous	F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	<25	0	Diff <2x LOR	----





## Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

### Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Physical Tests (QCLot: 502956)</b>						
conductivity	----	E100	1	µS/cm	1.1	----
<b>Anions and Nutrients (QCLot: 502949)</b>						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
<b>Cyanides (QCLot: 504606)</b>						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
<b>Dissolved Metals (QCLot: 505316)</b>						
mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	----
<b>Dissolved Metals (QCLot: 507519)</b>						
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
<b>Speciated Metals (QCLot: 504601)</b>						
chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	<0.00050	----
<b>Volatile Organic Compounds (QCLot: 505059)</b>						
acetone	67-64-1	E611D	20	µg/L	<20	----
benzene	71-43-2	E611D	0.5	µg/L	<0.50	----
bromodichloromethane	75-27-4	E611D	0.5	µg/L	<0.50	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Volatile Organic Compounds (QCLot: 505059) - continued</b>						
bromoform	75-25-2	E611D	0.5	µg/L	<0.50	---
bromomethane	74-83-9	E611D	0.5	µg/L	<0.50	---
carbon tetrachloride	56-23-5	E611D	0.2	µg/L	<0.20	---
chlorobenzene	108-90-7	E611D	0.5	µg/L	<0.50	---
chloroform	67-66-3	E611D	0.5	µg/L	<0.50	---
dibromochloromethane	124-48-1	E611D	0.5	µg/L	<0.50	---
dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	<0.20	---
dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	<0.50	---
dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	<0.50	---
dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	<0.50	---
dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	<0.50	---
dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	<0.50	---
dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	<0.50	---
dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	<0.50	---
dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	<0.50	---
dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	<0.50	---
dichloromethane	75-09-2	E611D	1	µg/L	<1.0	---
dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	<0.50	---
dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	<0.30	---
dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	<0.30	---
ethylbenzene	100-41-4	E611D	0.5	µg/L	<0.50	---
hexane, n-	110-54-3	E611D	0.5	µg/L	<0.50	---
methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	---
methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	---
methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	<0.50	---
styrene	100-42-5	E611D	0.5	µg/L	<0.50	---
tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	<0.50	---
tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	<0.50	---
tetrachloroethylene	127-18-4	E611D	0.5	µg/L	<0.50	---
toluene	108-88-3	E611D	0.5	µg/L	<0.50	---
trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	<0.50	---
trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	<0.50	---
trichloroethylene	79-01-6	E611D	0.5	µg/L	<0.50	---
trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	<0.50	---
vinyl chloride	75-01-4	E611D	0.5	µg/L	<0.50	---
xylene, m+p-	179601-23-1	E611D	0.4	µg/L	<0.40	---



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Volatile Organic Compounds (QCLot: 505059) - continued</b>						
xylene, o-	95-47-6	E611D	0.3	µg/L	<0.30	---
<b>Hydrocarbons (QCLot: 505060)</b>						
F1 (C6-C10)	---	E581.F1-L	25	µg/L	<25	---
<b>Hydrocarbons (QCLot: 506541)</b>						
F2 (C10-C16)	---	E601.SG	100	µg/L	<100	---
F3 (C16-C34)	---	E601.SG	250	µg/L	<250	---
F4 (C34-C50)	---	E601.SG	250	µg/L	<250	---
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 506540)</b>						
acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	---
acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	---
anthracene	120-12-7	E641A	0.01	µg/L	<0.010	---
benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	---
benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	---
benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	---
benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	---
benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	---
chrysene	218-01-9	E641A	0.01	µg/L	<0.010	---
dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	---
fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	---
fluorene	86-73-7	E641A	0.01	µg/L	<0.010	---
indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	---
methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	---
methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	---
naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	---
phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	---
pyrene	129-00-0	E641A	0.01	µg/L	<0.010	---



## Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
Analyte	CAS Number	Method	LOR	Unit	Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Concentration	LCS	Low	High	
<b>Physical Tests (QCLot: 502955)</b>									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
<b>Physical Tests (QCLot: 502956)</b>									
conductivity	----	E100	1	µS/cm	1409 µS/cm	96.9	90.0	110	----
<b>Anions and Nutrients (QCLot: 502949)</b>									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.6	90.0	110	----
<b>Cyanides (QCLot: 504606)</b>									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	92.4	80.0	120	----
mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0.0001 mg/L	98.3	80.0	120	----
<b>Dissolved Metals (QCLot: 507519)</b>									
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	0.05 mg/L	106	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	0.05 mg/L	106	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.0125 mg/L	106	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.005 mg/L	104	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	0.05 mg/L	105	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.005 mg/L	106	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.0125 mg/L	105	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.0125 mg/L	105	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.0125 mg/L	104	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.025 mg/L	104	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.0125 mg/L	102	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.025 mg/L	106	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	0.05 mg/L	105	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.005 mg/L	96.9	80.0	120	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	2.5 mg/L	114	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	0.05 mg/L	101	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.00025 mg/L	107	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.025 mg/L	108	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.025 mg/L	106	80.0	120	----
<b>Speciated Metals (QCLot: 504601)</b>									
chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	0.025 mg/L	100	80.0	120	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				Qualifier
					Spike	Recovery (%)	Recovery Limits (%)		
					Concentration	LCS	Low	High	
<b>Volatile Organic Compounds (QCLot: 505059)</b>									
acetone	67-64-1	E611D	20	µg/L	100 µg/L	97.6	70.0	130	----
benzene	71-43-2	E611D	0.5	µg/L	100 µg/L	99.9	70.0	130	----
bromodichloromethane	75-27-4	E611D	0.5	µg/L	100 µg/L	96.2	70.0	130	----
bromoform	75-25-2	E611D	0.5	µg/L	100 µg/L	92.6	70.0	130	----
bromomethane	74-83-9	E611D	0.5	µg/L	100 µg/L	95.0	70.0	130	----
carbon tetrachloride	56-23-5	E611D	0.2	µg/L	100 µg/L	103	70.0	130	----
chlorobenzene	108-90-7	E611D	0.5	µg/L	100 µg/L	95.1	70.0	130	----
chloroform	67-66-3	E611D	0.5	µg/L	100 µg/L	93.5	70.0	130	----
dibromochloromethane	124-48-1	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	100 µg/L	89.5	70.0	130	----
dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	100 µg/L	97.5	70.0	130	----
dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	100 µg/L	99.4	70.0	130	----
dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	100 µg/L	114	70.0	130	----
dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	100 µg/L	93.4	70.0	130	----
dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	100 µg/L	91.2	70.0	130	----
dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	100 µg/L	93.9	70.0	130	----
dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	100 µg/L	90.5	70.0	130	----
dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	100 µg/L	86.6	70.0	130	----
dichloromethane	75-09-2	E611D	1	µg/L	100 µg/L	92.2	70.0	130	----
dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	100 µg/L	87.6	70.0	130	----
dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	100 µg/L	85.2	70.0	130	----
dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	100 µg/L	82.1	70.0	130	----
ethylbenzene	100-41-4	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
hexane, n-	110-54-3	E611D	0.5	µg/L	100 µg/L	91.0	70.0	130	----
methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	100 µg/L	91.5	70.0	130	----
methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	100 µg/L	96.4	70.0	130	----
methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
styrene	100-42-5	E611D	0.5	µg/L	100 µg/L	98.2	70.0	130	----
tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	100 µg/L	93.0	70.0	130	----
tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	100 µg/L	86.4	70.0	130	----
tetrachloroethylene	127-18-4	E611D	0.5	µg/L	100 µg/L	109	70.0	130	----
toluene	108-88-3	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	100 µg/L	95.2	70.0	130	----
trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	100 µg/L	92.9	70.0	130	----
trichloroethylene	79-01-6	E611D	0.5	µg/L	100 µg/L	96.0	70.0	130	----
trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----



Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 505059) - continued</b>									
vinyl chloride	75-01-4	E611D	0.5	µg/L	100 µg/L	88.8	70.0	130	----
xylene, m+p-	179601-23-1	E611D	0.4	µg/L	200 µg/L	103	70.0	130	----
xylene, o-	95-47-6	E611D	0.3	µg/L	100 µg/L	102	70.0	130	----
<b>Hydrocarbons (QCLot: 505060)</b>									
F1 (C6-C10)	----	E581.F1-L	25	µg/L	2000 µg/L	104	80.0	120	----
<b>Hydrocarbons (QCLot: 506541)</b>									
F2 (C10-C16)	----	E601.SG	100	µg/L	5018 µg/L	104	70.0	130	----
F3 (C16-C34)	----	E601.SG	250	µg/L	6312 µg/L	130	70.0	130	----
F4 (C34-C50)	----	E601.SG	250	µg/L	6087 µg/L	82.8	70.0	130	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 506540)</b>									
acenaphthene	83-32-9	E641A	0.01	µg/L	0.5263 µg/L	93.6	50.0	140	----
acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5263 µg/L	90.6	50.0	140	----
anthracene	120-12-7	E641A	0.01	µg/L	0.5263 µg/L	90.6	50.0	140	----
benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5263 µg/L	95.3	50.0	140	----
benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5263 µg/L	81.2	50.0	140	----
benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5263 µg/L	92.0	50.0	140	----
benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5263 µg/L	82.1	50.0	140	----
benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5263 µg/L	88.6	50.0	140	----
chrysene	218-01-9	E641A	0.01	µg/L	0.5263 µg/L	94.6	50.0	140	----
dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5263 µg/L	99.4	50.0	140	----
fluoranthene	206-44-0	E641A	0.01	µg/L	0.5263 µg/L	100	50.0	140	----
fluorene	86-73-7	E641A	0.01	µg/L	0.5263 µg/L	95.4	50.0	140	----
indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5263 µg/L	98.4	50.0	140	----
methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5263 µg/L	90.9	50.0	140	----
methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5263 µg/L	84.4	50.0	140	----
naphthalene	91-20-3	E641A	0.05	µg/L	0.5263 µg/L	87.6	50.0	140	----
phenanthrene	85-01-8	E641A	0.02	µg/L	0.5263 µg/L	101	50.0	140	----
pyrene	129-00-0	E641A	0.01	µg/L	0.5263 µg/L	89.7	50.0	140	----



## Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level  $\geq 1 \times$  spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Anions and Nutrients (QCLot: 502949)</b>										
WT2204540-030	Anonymous	chloride	16887-00-6	E235.Cl	101 mg/L	100 mg/L	101	75.0	125	----
<b>Cyanides (QCLot: 504606)</b>										
WT2204494-002	Anonymous	cyanide, weak acid dissociable	----	E336	0.118 mg/L	0.125 mg/L	94.8	70.0	130	----
<b>Dissolved Metals (QCLot: 505316)</b>										
WT2204494-003	Anonymous	mercury, dissolved	7439-97-6	E509	0.0000927 mg/L	0.0001 mg/L	92.7	70.0	130	----
<b>Dissolved Metals (QCLot: 507519)</b>										
WT2204494-003	Anonymous	antimony, dissolved	7440-36-0	E421	0.0610 mg/L	0.05 mg/L	122	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0624 mg/L	0.05 mg/L	125	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.0125 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.00609 mg/L	0.005 mg/L	122	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.057 mg/L	0.05 mg/L	114	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00600 mg/L	0.005 mg/L	120	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0147 mg/L	0.0125 mg/L	118	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0143 mg/L	0.0125 mg/L	114	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0138 mg/L	0.0125 mg/L	110	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0272 mg/L	0.025 mg/L	109	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0151 mg/L	0.0125 mg/L	121	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0285 mg/L	0.025 mg/L	114	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0658 mg/L	0.05 mg/L	132	70.0	130	MES
		silver, dissolved	7440-22-4	E421	0.00555 mg/L	0.005 mg/L	111	70.0	130	----
		sodium, dissolved	7440-23-5	E421	ND mg/L	2.5 mg/L	ND	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.0545 mg/L	0.05 mg/L	109	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.00025 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0307 mg/L	0.025 mg/L	123	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.0299 mg/L	0.025 mg/L	119	70.0	130	----
<b>Speciated Metals (QCLot: 504601)</b>										
WT2204494-002	Anonymous	chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0399 mg/L	0.04 mg/L	99.7	70.0	130	----
<b>Volatile Organic Compounds (QCLot: 505059)</b>										
WT2204458-001	Anonymous	acetone	67-64-1	E611D	ND µg/L	100 µg/L	ND	60.0	140	----
		benzene	71-43-2	E611D	94.9 µg/L	100 µg/L	94.9	60.0	140	----
		bromodichloromethane	75-27-4	E611D	80.0 µg/L	100 µg/L	80.0	60.0	140	----





Sub-Matrix: Water

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 505059) - continued</b>										
WT2204458-001	Anonymous	bromoform	75-25-2	E611D	80.6 µg/L	100 µg/L	80.6	60.0	140	----
		bromomethane	74-83-9	E611D	83.4 µg/L	100 µg/L	83.4	60.0	140	----
		carbon tetrachloride	56-23-5	E611D	97.5 µg/L	100 µg/L	97.5	60.0	140	----
		chlorobenzene	108-90-7	E611D	88.8 µg/L	100 µg/L	88.8	60.0	140	----
		chloroform	67-66-3	E611D	85.0 µg/L	100 µg/L	85.0	60.0	140	----
		dibromochloromethane	124-48-1	E611D	93.1 µg/L	100 µg/L	93.1	60.0	140	----
		dibromoethane, 1,2-	106-93-4	E611D	79.7 µg/L	100 µg/L	79.7	60.0	140	----
		dichlorobenzene, 1,2-	95-50-1	E611D	91.3 µg/L	100 µg/L	91.3	60.0	140	----
		dichlorobenzene, 1,3-	541-73-1	E611D	96.0 µg/L	100 µg/L	96.0	60.0	140	----
		dichlorobenzene, 1,4-	106-46-7	E611D	93.9 µg/L	100 µg/L	93.9	60.0	140	----
		dichlorodifluoromethane	75-71-8	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		dichloroethane, 1,1-	75-34-3	E611D	87.0 µg/L	100 µg/L	87.0	60.0	140	----
		dichloroethane, 1,2-	107-06-2	E611D	81.7 µg/L	100 µg/L	81.7	60.0	140	----
		dichloroethylene, 1,1-	75-35-4	E611D	87.8 µg/L	100 µg/L	87.8	60.0	140	----
		dichloroethylene, cis-1,2-	156-59-2	E611D	85.3 µg/L	100 µg/L	85.3	60.0	140	----
		dichloroethylene, trans-1,2-	156-60-5	E611D	79.8 µg/L	100 µg/L	79.8	60.0	140	----
		dichloromethane	75-09-2	E611D	79.6 µg/L	100 µg/L	79.6	60.0	140	----
		dichloropropane, 1,2-	78-87-5	E611D	80.4 µg/L	100 µg/L	80.4	60.0	140	----
		dichloropropylene, cis-1,3-	10061-01-5	E611D	ND µg/L	100 µg/L	ND	60.0	140	----
		dichloropropylene, trans-1,3-	10061-02-6	E611D	74.6 µg/L	100 µg/L	74.6	60.0	140	----
		ethylbenzene	100-41-4	E611D	99.9 µg/L	100 µg/L	99.9	60.0	140	----
		hexane, n-	110-54-3	E611D	ND µg/L	100 µg/L	ND	60.0	140	----
		methyl ethyl ketone [MEK]	78-93-3	E611D	ND µg/L	100 µg/L	ND	60.0	140	----
		methyl isobutyl ketone [MIBK]	108-10-1	E611D	77 µg/L	100 µg/L	77.0	60.0	140	----
		methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	76.1 µg/L	100 µg/L	76.1	60.0	140	----
		styrene	100-42-5	E611D	ND µg/L	100 µg/L	ND	60.0	140	----
		tetrachloroethane, 1,1,1,2-	630-20-6	E611D	87.0 µg/L	100 µg/L	87.0	60.0	140	----
		tetrachloroethane, 1,1,2,2-	79-34-5	E611D	34.9 µg/L	100 µg/L	34.9	60.0	140	RRQC
		tetrachloroethylene	127-18-4	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		toluene	108-88-3	E611D	ND µg/L	100 µg/L	ND	60.0	140	----
		trichloroethane, 1,1,1-	71-55-6	E611D	91.2 µg/L	100 µg/L	91.2	60.0	140	----
		trichloroethane, 1,1,2-	79-00-5	E611D	85.3 µg/L	100 µg/L	85.3	60.0	140	----
		trichloroethylene	79-01-6	E611D	90.9 µg/L	100 µg/L	90.9	60.0	140	----
		trichlorofluoromethane	75-69-4	E611D	96.8 µg/L	100 µg/L	96.8	60.0	140	----
		vinyl chloride	75-01-4	E611D	79.8 µg/L	100 µg/L	79.8	60.0	140	----
		xylene, m+p-	179601-23-1	E611D	134 µg/L	200 µg/L	66.8	60.0	140	----
		xylene, o-	95-47-6	E611D	69.2 µg/L	100 µg/L	69.2	60.0	140	----



Sub-Matrix: **Water**

					<i>Matrix Spike (MS) Report</i>					
					<i>Spike</i>		<i>Recovery (%)</i>	<i>Recovery Limits (%)</i>		
<i>Laboratory sample ID</i>	<i>Client sample ID</i>	<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>Concentration</i>	<i>Target</i>	<i>MS</i>	<i>Low</i>	<i>High</i>	<i>Qualifier</i>
<b>Hydrocarbons (QCLot: 505060)</b>										
WT2204497-003	Anonymous	F1 (C6-C10)	----	E581.F1-L	1730 µg/L	2000 µg/L	86.6	60.0	140	----

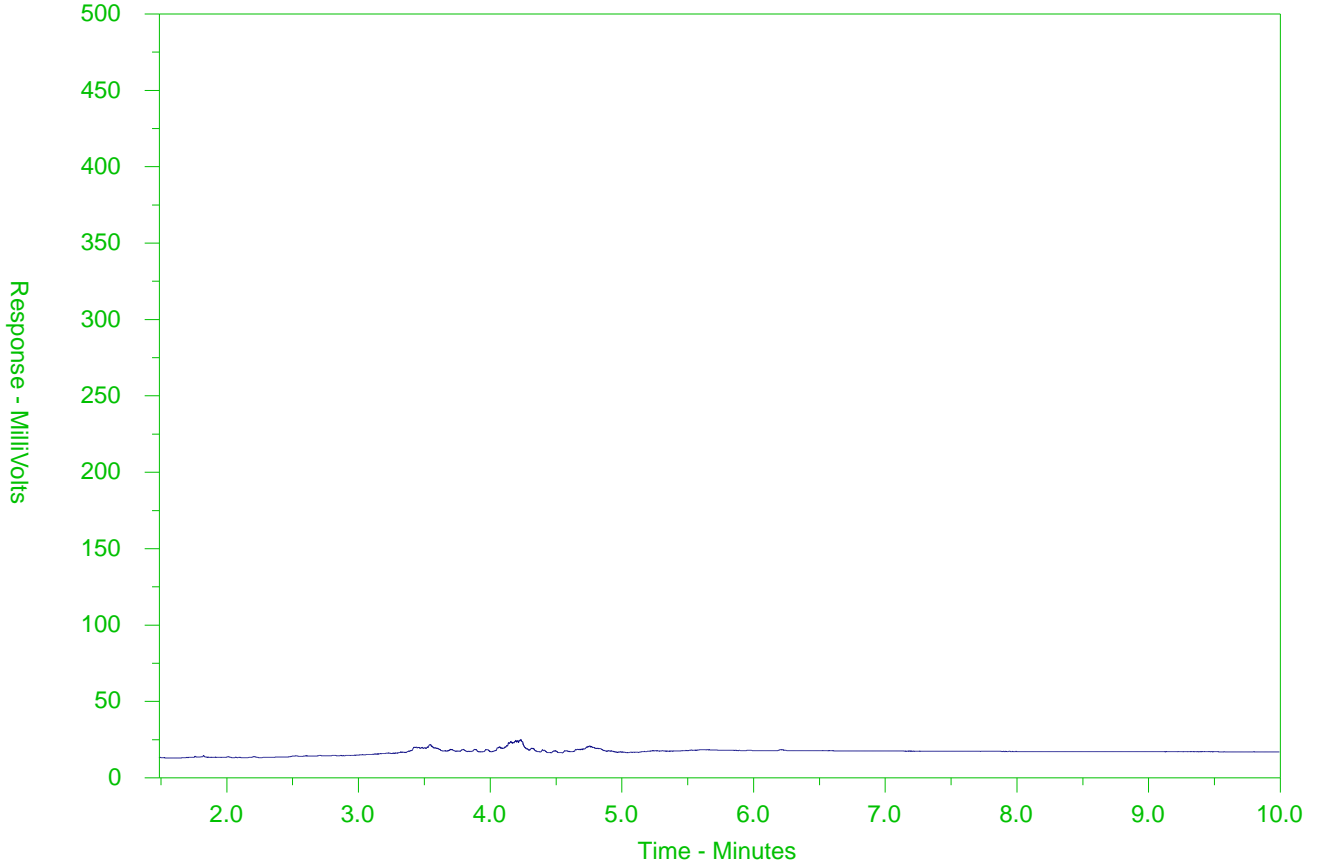
**Qualifiers**

<i>Qualifier</i>	<i>Description</i>
MES	<i>Data Quality Objective was marginally exceeded (by &lt; 10% absolute) for &lt; 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE &amp; CCME).</i>
RRQC	<i>Refer to report comments for information regarding this QC result.</i>

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2204544-001-E601.SG  
 Client Sample ID: GW-12566614-052522-NG-005



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

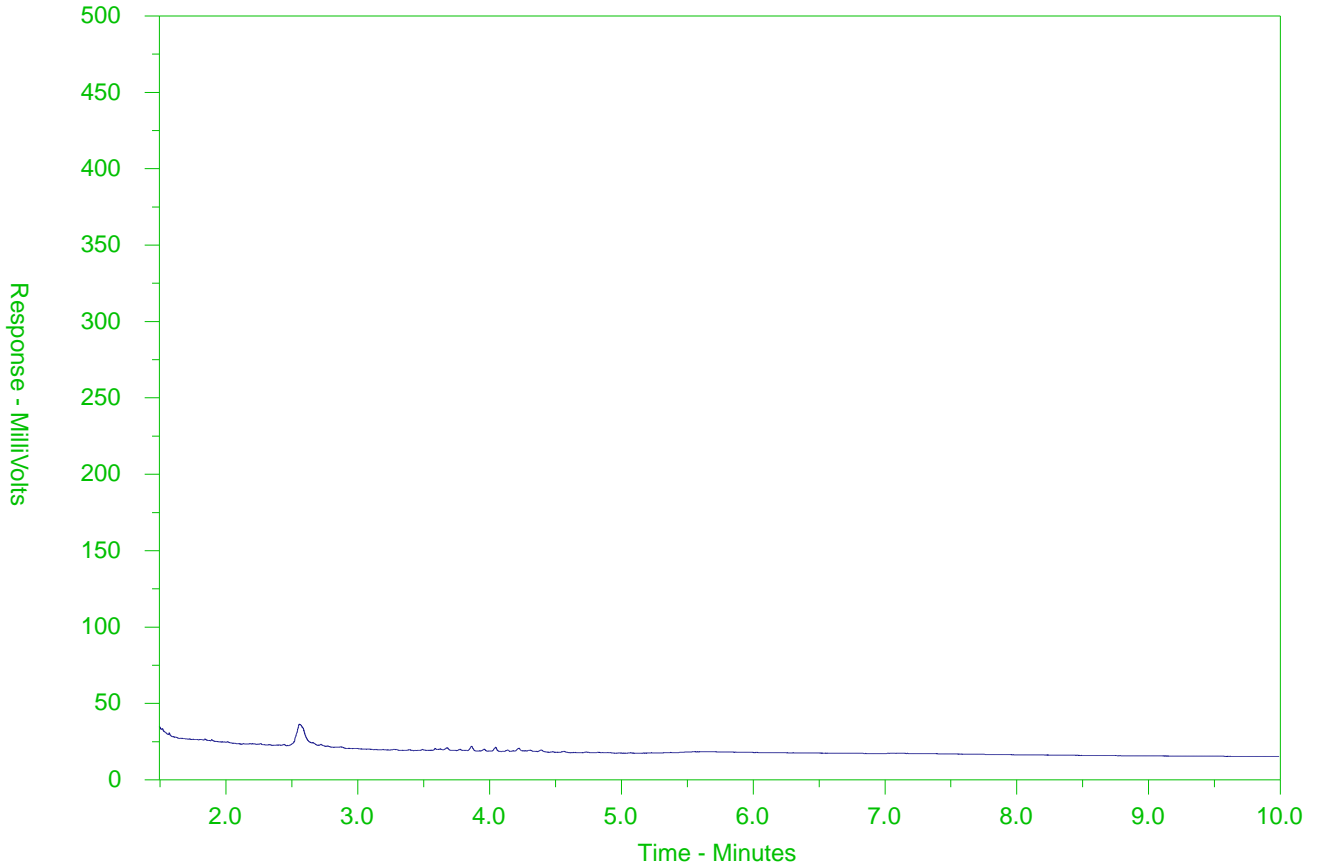
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2204544-002-E601.SG  
 Client Sample ID: GW-12566614-052622-NG-006



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
← Gasoline →			← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

**Note:** This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).





www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 20

Page

Environmental Division  
Waterloo  
Work Order Reference  
WT2204544

Contact and company name below will appear on the final report

Report To: GHD Ltd. (Acct 13791)

Company: Pascal Renella

Contact: 519-884-0510

Phone: Company address below will appear on the final report

Street: 455 Phillip St.

City/Province: Waterloo, ON

Postal Code: N2L 3X2

Invoice To: Same as Report To  YES  NO

Copy of Invoice with Report  YES  NO

Company: GHD Ltd. (Acct 13791)

Contact: Project Information

ALS Account # / Quote #: GHD100W/T2022GHDL1000057

Job #: 12566614

PO / AFE: Major/Minor Code: Requisitioner: Location:

LSD: ALS Lab Work Order # (lab use only): WT2204544

Reports / Recipients

Select Report Format:  PDF  EXCEL  EDP (DIGITAL)

Merge QC/QCI Reports with COA  YES  NO  N/A

Compare Results to Criteria on Report - provide details below if box checked

Select Distribution:  EMAIL  MAIL  FAX

Email 1 or Fax: pascal.renella@ghd.com

Email 2: See SSOV/PO

Email 3:

Invoice Recipients

Select Invoice Distribution:  EMAIL  MAIL  FAX

Email 1 or Fax: Invoicing-Canada@ghd.com

Email 2:

Email 3:

Oil and Gas Required Fields (client use)

AFC/Case Center: PO#:

Major/Minor Code: Routing Code:

Requisitioner: Location:

ALS Contact: Rick H

Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type
	GW-12566614-052522-NG-005	25-05-22	14:30	WATER
	GW-12566614-052622-NG-006	26-05-22	10:20	WATER
	GW-12566614-052622-NG-007	26-05-22	10:45	WATER
	GW-12566614-052622-NG-008	26-05-22	13:06	WATER
	Trip Blank	26-05-22	N/A	WATER
				WATER
				WATER
				WATER
				WATER
				WATER
				WATER
				WATER

NUMBER OF CONTAINERS

Metal/Inorganics	PAHS	PHC	VOCs	BTEX	Trip Blank -F1
9	X	X	X	X	
9	X	X	X	X	
2					
6	X		X		
2				X	

SAMPLES ON HOLD  
EXTENDED STORAGE REQUIRED  
SUSPECTED HAZARD (see notes)

Turnaround Time (TAT) Requested

Routine (R) if received by 3pm M-F - no surcharges apply

4 day (P4) if received by 3pm M-F - 20% rush surcharge min/m

3 day (P3) if received by 3pm M-F - 25% rush surcharge min/m

2 day (P2) if received by 3pm M-F - 50% rush surcharge min/m

1 day (E) if received by 3pm M-F - 100% rush surcharge min/m

Same day (E2) if received by 10am M-F - 200% rush surcharge min/m

Same day (E2) if received by 10am M-F - 200% rush surcharge min/m

Same day (E2) if received by 10am M-F - 200% rush surcharge min/m

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Same day (E2) if received by 10am M-F - 200% rush surcharge min/m

Same day (E2) if received by 10am M-F - 200% rush surcharge min/m

Same day (E2) if received by 10am M-F - 200% rush surcharge min/m

Date and Time Required for all E&P TATs: For tests that can not be performed according to the TAT requested, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (FP) below

Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)

Drinking Water (DW) Samples (client use)

Are samples taken from a Regulated DW System?  YES  NO

Are samples for human consumption/ use?  YES  NO

SHIPMENT RELEASE (client use)

Released by: N Gupta Date: 26/5/22

Time: 14:40

Received by: [Signature]

Time: 14:40

INITIAL SHIPMENT RECEPTION (lab use only)

Date: 26/5/22

Time: 14:40

Received by: [Signature]

Time: 14:40

FINAL SHIPMENT RECEPTION (lab use only)

Date: 05/12/22

Time: 10:30

Received by: [Signature]

Time: 10:30

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY  
YELLOW - CLIENT COPY

ALS 2020 FORM

# **Appendix C**

**Data Quality Assessment and Verification**

# Technical Memorandum

June 17, 2022

<b>To</b>	Joseph Drader	<b>Tel</b>	450-902-4349
<b>Copy to</b>	Nidhi Gupta	<b>Email</b>	pascal.renella@ghd.com
<b>From</b>	Pascal Renella/an/01	<b>Ref. No.</b>	12566614
<b>Subject</b>	Data Quality Assessment and Verification		

<b>Laboratory:</b>	ALS Canada Ltd.
<b>Lab Job No.:</b>	L2702132, WT2204113, WT2204544
<b>Date(s) Sampled:</b>	April 28; May 17, 25, 26, 2022
<b>Media Sampled:</b>	Soil and Groundwater

QA/QC	Criteria	Pass	Qualifiers	Fail	N/A
<b>Holding Times</b>	Analyte specific	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Temperature</b>	<10°C at receipt	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sample Preservation</b>	Required container/preservatives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Field Duplicate (blind)</b>	Within 50% of original/<1xRL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Field Blank (blind)</b>	Non detect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Trip Blank</b>	Non detect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Lab QA/QC</b>	Within standard recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The following results are qualified due to high temperature (13.3°C) upon arrival at the laboratory:

Lab Report #	Sample Date (mm/dd/yyyy)	Sample ID	Analyte	Result	Qualifier	Units
WT2204544	05/25/22	GW-12566614-052522-NG-005	conductivity	2.90	J	mS/cm
WT2204544	05/25/22	GW-12566614-052522-NG-005	pH	7.54	J	pH units
WT2204544	05/25/22	GW-12566614-052522-NG-005	chloride	749	J	mg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	cyanide, weak acid dissociable	2	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	antimony, dissolved	1	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	arsenic, dissolved	1	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	barium, dissolved	129	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	beryllium, dissolved	0.2	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	boron, dissolved	100	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	cadmium, dissolved	0.05	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	chromium, dissolved	5	UJ	µg/L



Lab Report #	Sample Date (mm/dd/yyyy)	Sample ID	Analyte	Result	Qualifier	Units
WT2204544	05/25/22	GW-12566614-052522-NG-005	cobalt, dissolved	1.46	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	copper, dissolved	2	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	lead, dissolved	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	mercury, dissolved	0.005	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	molybdenum, dissolved	7.98	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	nickel, dissolved	5.87	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	selenium, dissolved	0.914	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	silver, dissolved	0.1	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	sodium, dissolved	336000	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	thallium, dissolved	0.1	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	uranium, dissolved	10.4	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	vanadium, dissolved	5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	zinc, dissolved	10	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	chromium, hexavalent [Cr VI], dissolved	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	acetone	20	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	benzene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	bromodichloromethane	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	bromoform	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	bromomethane	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	carbon tetrachloride	0.2	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	chlorobenzene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	chloroform	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dibromochloromethane	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dibromoethane, 1,2-	0.2	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichlorobenzene, 1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichlorobenzene, 1,3-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichlorobenzene, 1,4-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichlorodifluoromethane	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloroethane, 1,1-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloroethane, 1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloroethylene, 1,1-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloroethylene, cis-1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloroethylene, trans-1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloromethane	1	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloropropane, 1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloropropylene, cis+trans-1,3-	0.5	UJ	µg/L

Lab Report #	Sample Date (mm/dd/yyyy)	Sample ID	Analyte	Result	Qualifier	Units
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloropropylene, cis-1,3-	0.3	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dichloropropylene, trans-1,3-	0.3	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	ethylbenzene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	hexane, n-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	methyl ethyl ketone [MEK]	20	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	methyl isobutyl ketone [MIBK]	20	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	methyl-tert-butyl ether [MTBE]	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	styrene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	tetrachloroethane, 1,1,1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	tetrachloroethane, 1,1,2,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	tetrachloroethylene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	toluene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	trichloroethane, 1,1,1-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	trichloroethane, 1,1,2-	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	trichloroethylene	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	trichlorofluoromethane	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	vinyl chloride	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	xylene, m+p-	0.4	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	xylene, o-	0.3	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	xylenes, total	0.5	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	BTEX, total	1	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	F1 (C6-C10)	25	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	F2 (C10-C16)	100	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	F3 (C16-C34)	250	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	F4 (C34-C50)	250	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	F1-BTEX	25	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	hydrocarbons, total (C6-C50)	370	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	acenaphthene	0.013	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	acenaphthylene	0.01	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	anthracene	0.040	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	benz(a)anthracene	0.01	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	benzo(a)pyrene	0.005	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	benzo(b+j)fluoranthene	0.01	UJ	µg/L

Lab Report #	Sample Date (mm/dd/yyyy)	Sample ID	Analyte	Result	Qualifier	Units
WT2204544	05/25/22	GW-12566614-052522-NG-005	benzo(g,h,i)perylene	0.01	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	benzo(k)fluoranthene	0.01	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	chrysene	0.012	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	dibenz(a,h)anthracene	0.005	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	fluoranthene	0.117	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	fluorene	0.043	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	indeno(1,2,3-c,d)pyrene	0.01	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	methylnaphthalene, 1+2-	0.064	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	methylnaphthalene, 1-	0.024	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	methylnaphthalene, 2-	0.040	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	naphthalene	0.05	UJ	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	phenanthrene	0.486	J	µg/L
WT2204544	05/25/22	GW-12566614-052522-NG-005	pyrene	0.108	J	µg/L

**Conclusions:**

Based on the assessment detailed in the foregoing, the data summarized are acceptable with the specific qualifications noted above.

**Notes:**

- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- BTEX - Benzene, Toluene, Ethylbenzene, Xylene
- QA/QC - Quality Assurance/Quality Control
- RL - Reporting Limit
- N/A - Not Applicable

**Data verification reference documents:**

1. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, September 2016.
2. "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act", Laboratory Services Branch, Ministry of the Environment, March 9, 2004, amended as of July 1, 2011

Regards



**Pascal Renella**  
Data Management - Data Validator



Our ref: 12606873

16 May 2023

Lee Clow  
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**Groundwater Sampling Activities, Nokia Property Redevelopment, 600 March Road, Kanata (Ottawa), Ontario**

GHD has prepared this letter for First Gulf to present the findings of the groundwater sampling activities completed on April 27th, 2023, in the southern parking lot area of the Nokia Property located at 600 March Road in Kanata (Ottawa), Ontario (Site or Property). GHD previously completed several environmental assessments at the Site for Nokia, including:

- Phase One Environmental Site Assessment (ESA), 600 March Road, Kanata (Ottawa), Ontario, dated April 20, 2022.
- Phase Two Environmental Site Assessment (ESA), 600 March Road, Kanata (Ottawa), Ontario, dated July 19, 2022.

These reports were completed for the entire Nokia Property, which includes both the southern parking lot area and northern office campus area. Based on a review of the 2022 groundwater analytical results, all groundwater concentrations from the southern parking lot area were below applicable Ontario Ministry of Environment, Conservation, and Parks (MECP) standards. This letter will focus on current groundwater sampling activities and laboratory analytical results from the southern parking lot area, as part of First Gulf due diligence and future municipal planning approval purposes.

GHD also completed additional geotechnical and hydrogeological assessments in the southern parking lot of the Site at the time of the current groundwater sampling activities. Details regarding specific Site geology (i.e., stratigraphy, bedrock conditions, etc.) and hydrogeological details (i.e., groundwater depth/elevation, flow direction, hydraulic conductivity, etc.) are addressed in those report(s).

## 1. Field Program

GHD conducted groundwater sampling activities on April 27, 2023, at six existing groundwater monitoring wells installed in 2022 (BH01-22, BH02-22, BH03-22, BH06-22, BH11-22, and BH12-22) and three new monitoring wells installed in 2023 (BH3-23, BH4-23, and BH6-23). Borehole and monitoring well construction details are presented in above noted ESA documents and 2023 geotechnical and hydrogeological assessment report(s).

In order to ensure that samples representative of on-Site groundwater conditions was obtained, each monitoring well was purged prior to groundwater sample collection using dedicated tubing and peristaltic pump (for low-flow sampling). The following protocol was generally followed at each monitoring well location during well purging activities:

- Groundwater level measurements were collected prior and subsequent to well development activities using a calibrated oil/water interface probe. The depth to water was measured relative to a specific reference point in the monitoring well.
- Where low-flow sampling techniques were used, a minimum of three well volumes of water were purged from the monitoring well. In the event that slow groundwater recharge conditions were encountered, the well was purged until dry and then allowed to recover prior to sample collection. Field measurements of temperature, pH, turbidity, and electrical conductivity were taken using a water quality meter after each purged well volume was removed until consistent field measurements were recorded indicating that water in the well was representative of the actual groundwater conditions.
- Groundwater in the monitoring well was allowed to recover and settle prior to sample collection to reduce sediment agitation and mobilization in volatile and semi-volatile samples.

Groundwater samples were collected from a total of nine monitoring wells (BH01-22, BH02-22, BH03-22, BH06-22, BH11-22, BH12-22, BH3-23, BH4-23, and BH6-23), with one duplicate sample collected from BH3-23 for quality assurance/quality control (QA/QC) purposes.

The groundwater samples were collected and placed directly into laboratory-supplied sample containers specific to the analytical parameters. Groundwater samples were submitted for laboratory analysis of the following parameters: metals/inorganics, petroleum hydrocarbons (PHC F<sub>1</sub> to F<sub>4</sub>), volatile organic compounds (VOCs), and polycyclic aromatic hydrocarbons (PAHs). Groundwater samples collected for metals analysis were field filtered using a 0.45-micron filter prior to sample collection. Samples were stored in coolers chilled with ice for sample preservation and submitted to the laboratory for analysis under chain-of-custody protocol. The chain-of-custody forms document the condition and handling of the samples throughout the collection, transportation, and final analysis of the samples.

## 2. Regulatory Standards

This section presents the regulatory standards that were used to evaluate the analytical results of the groundwater samples collected at the Site. GHD compared the analytical results to the generic Site Condition Standards (SCS) provided in the Ontario Ministry of the Environment<sup>1</sup> (MOE) document entitled, "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act," dated April 15, 2011 (hereafter referred to as the 2011 MECP Standards).

Based on the Site conditions and the definition of area of natural significance provided in Ontario Regulation (O. Reg.) 153/04, the groundwater analytical results on the Site were assessed to the MECP Table 7: Full Depth Generic Site Conditions Standards for Shallow Soils in a Non-Potable Ground Water Condition (MECP Table 7 Standard). The regulatory standards used to evaluate the 2023 analytical results are consistent with those used in the 2022 Phase Two ESA (GHD).

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<sup>1</sup> Ministry of the Environment (MOE) was renamed the Ministry of Environment and Climate Change (MECP) on July 3, 2014, and renamed again on July 1, 2018, to Ministry of the Environment, Conservation, and Parks (MECP), and as a result all references to the "Ministry of the Environment", "MOE", and MECP refer to the MECP.

### 3. Analytical Results

A summary of the groundwater quality results compared to MECP Table 7 Standards is presented in **Table 1**. A copy of the ALS laboratory certificates of analysis is provided in **Attachment 1**. GHD also completed quality assessment and verification of the groundwater analytical data as presented in the technical memorandum provided in **Attachment 2**, with the data summarized as acceptable without qualification.

Based on GHD's review, all parameters were reported below MECP Table 7 Standards for the groundwater samples collected on April 27, 2023. These results are similar to the groundwater analytical results from the 2022 Phase Two ESA.

### 4. Conclusion

Based on the groundwater analytical results collected as part of the April 27th, 2023, sampling activities, all groundwater parameters were reported below MECP Table 7 Standards. These results are similar to the groundwater analytical results from the 2022 Phase Two ESA. No further groundwater sampling activities are recommended at this time.

We trust this meets your needs at this time.

Regards

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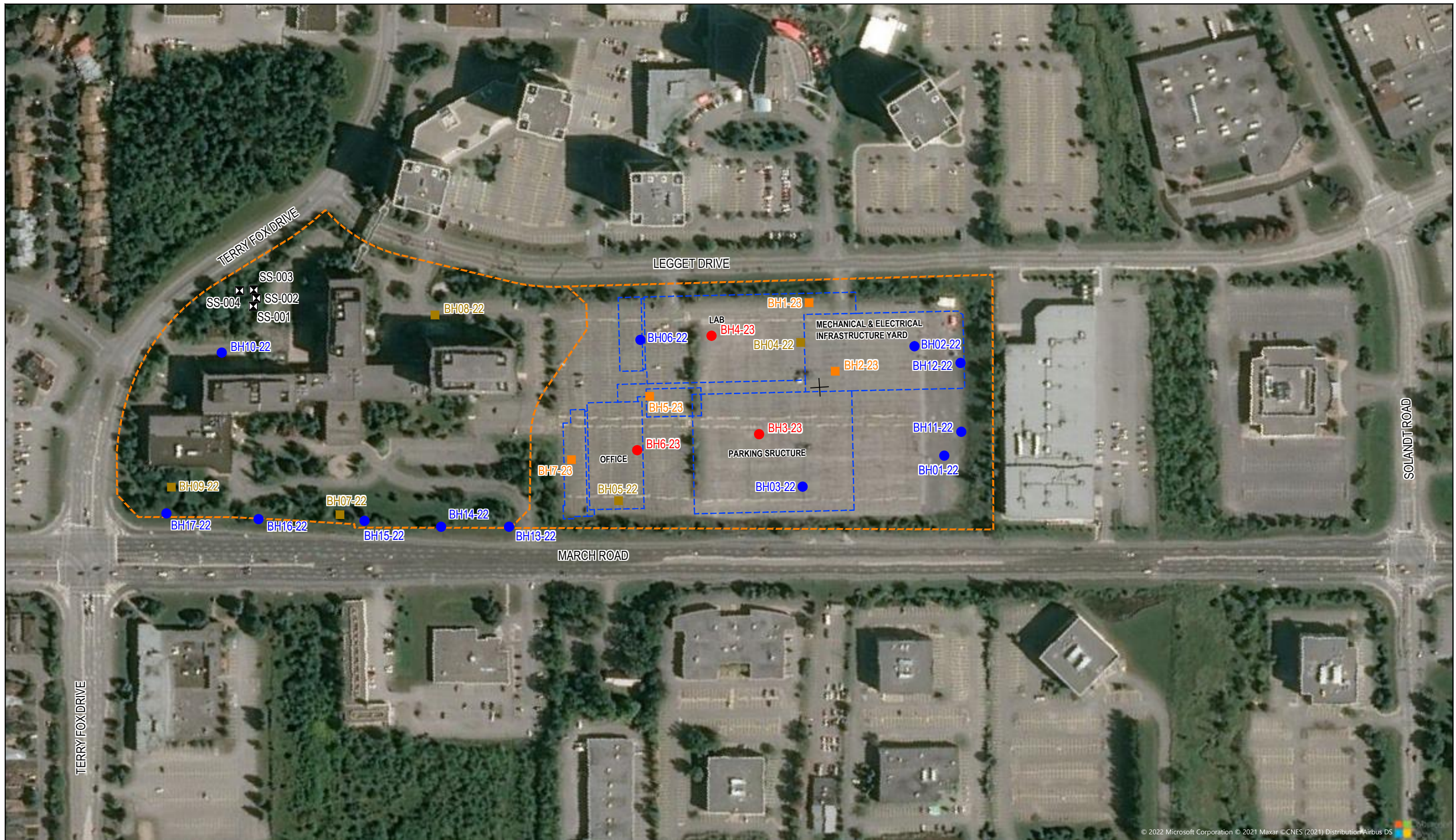
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Kevin Emenau, GHD  
Sahar Soleimani, GHD

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# Figures

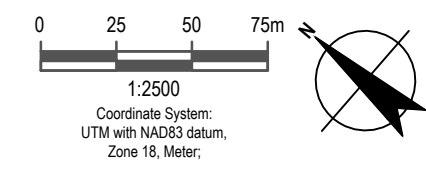




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**LEGEND**

- PROPERTY BOUNDARY
- PROPOSED BUILDING OUTLINE
- ✕ SOIL SAMPLING LOCATION (GHD, 2022)
- BOREHOLE LOCATION (GHD, 2022)
- BOREHOLE LOCATION (GHD, 2023)
- MONITORING WELL (GHD, 2022)
- MONITORING WELL (GHD, 2023)



**FIRST GULF**  
**NOKIA PROPERTY REDEVELOPMENT**  
**GROUNDWATER SAMPLING ACTIVITIES**  
**600 MARCH ROAD, KANATA (OTTAWA), ON**

**BOREHOLE/WELL LOCATION PLAN**

Project No. 12606873  
 Date May 2023

**FIGURE 1**



# Tables

**Table 1**  
**Summary of Groundwater Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location: Sample ID (GW-12606873-270423-DA-###): Sample Date: Sample Type: Stratigraphy		BH01-22 -BH01-22 27-Apr-2023 Original Overburden	BH02-22 -BH02-22 27-Apr-2023 Original Bedrock	BH03-22 -BH03-22 27-Apr-2023 Original Bedrock	BH06-22 -BH06-22 27-Apr-2023 Original Bedrock	BH11-22 -BH11-22 27-Apr-2023 Original Bedrock	BH12-22 -BH12-22 27-Apr-2023 Original Bedrock	BH3-23 -BH3-23 27-Apr-2023 Original Bedrock	BH3-23 -DUP 27-Apr-2023 Duplicate Bedrock	BH4-23 -BH4-23 27-Apr-2023 Original Bedrock	BH6-23 -BH6-23 27-Apr-2023 Original Bedrock	
Parameters	Units	MECP Table 7 All Property Types										
<b>Physical Tests</b>												
Conductivity	mS/cm	--	2.53	3.26	3.12	6.4	3.54	3.81	1.88	1.86	4.92	5.95
pH	-	--	7.88	7.57	7.93	8.04	7.71	7.71	8.16	8.14	7.81	7.74
<b>Anions and Nutrients</b>												
Chloride	ug/L	1800000	564000	695000	555000	1730000	895000	970000	187000	185000	1240000	1390000
<b>Cyanides</b>												
Cyanide	ug/L	52	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<b>Dissolved Metals</b>												
Antimony	ug/L	16000	0.13	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Arsenic	ug/L	1500	0.2	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	4.53	<1.00
Barium	ug/L	23000	200	185	74.8	65.3	246	226	52.2	43.6	59.1	66.7
Beryllium	ug/L	53	<0.020	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
Boron	ug/L	36000	24	<100	<100	<100	<100	<100	<100	<100	<100	<100
Cadmium	ug/L	2.1	0.022	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Chromium	ug/L	640	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Cobalt	ug/L	52	<0.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Copper	ug/L	69	0.95	<2.00	2.31	7.16	<2.00	2.06	16	14.1	<2.00	8.14
Lead	ug/L	20	<0.050	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Mercury	ug/L	0.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Molybdenum	ug/L	7300	1.17	0.717	1.19	7.24	10.8	1.09	3.01	3.03	5.33	6.9
Nickel	ug/L	390	<0.50	<5.00	<5.00	<5.00	6.16	<5.00	11	10	<5.00	<5.00
Selenium	ug/L	50	0.447	<0.500	0.652	<0.500	<0.500	<0.500	0.797	0.846	<0.500	<0.500
Silver	ug/L	1.2	<0.010	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Sodium	ug/L	1800000	237000	342000	214000	967000	356000	390000	255000	227000	702000	854000
Thallium	ug/L	400	0.019	<0.100	<0.100	<0.100	<0.100	0.141	<0.100	<0.100	<0.100	<0.100
Uranium	ug/L	330	2.67	1.69	3.21	4.42	6.32	4.36	3.8	3.66	45.2	7.48
Vanadium	ug/L	200	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Zinc	ug/L	890	3	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Hexavalent Chromium	ug/L	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>Hydrocarbons</b>												
F1 (C6-C10)	ug/L	420	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
F1-BTEX	ug/L	420	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10-C16)	ug/L	150	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F2-naphthalene	ug/L	--	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16-C34)	ug/L	500	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
F3-PAH	ug/L	--	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
F4 (C34-C50)	ug/L	500	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	--	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370

Notes:  
 ug/L - microgram per litre  
 <0.0068 - Not detected at the associated detection limit  
**Bold/Border** - Detected concentration exceeds the

<sup>(1)</sup>MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition.

**Table 1**  
**Summary of Groundwater Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location:	BH01-22	BH02-22	BH03-22	BH06-22	BH11-22	BH12-22	BH3-23	BH3-23	BH4-23	BH6-23
Sample ID (GW-12606873-270423-DA-###):	-BH01-22	-BH02-22	-BH03-22	-BH06-22	-BH11-22	-BH12-22	-BH3-23	-DUP	-BH4-23	-BH6-23
Sample Date:	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023
Sample Type:	Original	Original	Original	Original	Original	Original	Original	Duplicate	Original	Original
Stratigraphy	Overburden	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock
Parameters	Units	MECP Table 7 All Property Types								
<b>Volatile Organic Compounds</b>										
Acetone	ug/L	100000	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	67000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	ug/L	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	ug/L	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	ug/L	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	ug/L	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.47
Dibromochloromethane	ug/L	65000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	7600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	3500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloromethane	ug/L	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/L	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis+trans-1,3-Dichloropropylene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropylene	ug/L	--	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropylene	ug/L	--	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	ug/L	54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexane (n)	ug/L	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone [MEK]	ug/L	21000	<20	<20	<20	<20	<20	<20	<20	<20
Methyl Isobutyl Ketone [MIBK]	ug/L	5200	<20	<20	<20	<20	<20	<20	<20	<20
Methyl-Tert-Butyl Ether [MTBE]	ug/L	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	ug/L	43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	320	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	2000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m+p-Xylene	ug/L	--	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene	ug/L	--	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Total Xylenes	ug/L	72	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Notes:  
 ug/L - microgram per litre  
 <0.0068 - Not detected at the associated detection limit

**Bold/Border** - Detected concentration exceeds the

<sup>(1)</sup>MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition.

**Table 1**  
**Summary of Groundwater Analysis**  
**Phase Two Environmental Site Assessment**  
**600 March Road, Ottawa, Ontario**

Sample Location:	BH01-22	BH02-22	BH03-22	BH06-22	BH11-22	BH12-22	BH3-23	BH3-23	BH4-23	BH6-23
Sample ID (GW-12606873-270423-DA-###):	-BH01-22	-BH02-22	-BH03-22	-BH06-22	-BH11-22	-BH12-22	-BH3-23	-DUP	-BH4-23	-BH6-23
Sample Date:	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023	27-Apr-2023
Sample Type:	Original	Original	Original	Original	Original	Original	Original	Duplicate	Original	Original
Stratigraphy	Overburden	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock
Parameters	Units	MECP Table 7 All Property Types								
<b>Polycyclic Aromatic Hydrocarbons</b>										
Acenaphthene	ug/L	17	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	ug/L	1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	ug/L	1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	ug/L	1.8	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	ug/L	0.81	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(b+j)fluoranthene	ug/L	0.75	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(g,h,i)perylene	ug/L	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	ug/L	0.4	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chrysene	ug/L	0.7	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	ug/L	0.4	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoranthene	ug/L	44	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	ug/L	290	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1+2-Methylnaphthalene	ug/L	1500	<0.015	0.019	<0.015	0.015	<0.015	<0.015	0.017	<0.015
1-Methylnaphthalene	ug/L	1500	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	ug/L	1500	<0.010	0.019	<0.010	0.015	0.013	<0.010	0.017	0.013
Naphthalene	ug/L	7	<0.050	0.06	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	380	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Pyrene	ug/L	5.7	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

Notes:  
 ug/L - microgram per litre  
 <0.0068 - Not detected at the associated detection limit

**Bold/Border** - Detected concentration exceeds the

<sup>(1)</sup>MECP Table 7: Full Depth Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition.

# Attachments



# **Attachment 1**

**Laboratory Certificates of Analysis**



## CERTIFICATE OF ANALYSIS

<b>Work Order</b> : <b>WT2311250</b>	Page : 1 of 29
Client : <b>GHD Limited</b>	Laboratory : Waterloo - Environmental
Contact : Pascal Renella	Account Manager : Rick Hawthorne
Address : 455 Phillip Street Waterloo ON Canada N2L 3X2	Address : 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone : 519 725 3313	Telephone : +1 519 886 6910
Project : 12606873-003.02	Date Samples Received : 28-Apr-2023 08:25
PO : 735-006550	Date Analysis : 01-May-2023
C-O-C number : ----	Commenced
Sampler : ----	Issue Date : 05-May-2023 21:27
Site : ----	
Quote number : 12606873-003.02-SSOW-735-006550	
No. of samples received : 10	
No. of samples analysed : 10	

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Greg Pokocky	Manager - Inorganics	Inorganics, Waterloo, Ontario
Greg Pokocky	Manager - Inorganics	Metals, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	VOC, Waterloo, Ontario



## General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances

LOR: Limit of Reporting (detection limit).

Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

<i>Unit</i>	<i>Description</i>
-	no units
µg/L	micrograms per litre
mg/L	milligrams per litre
mS/cm	millisiemens per centimetre
pH units	pH units

>: greater than.

<: less than.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

## Qualifiers

<i>Qualifier</i>	<i>Description</i>
DLDS	<i>Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.</i>
DLHC	<i>Detection Limit Raised: Dilution required due to high concentration of test analyte(s).</i>
OWP	<i>Organic water sample contained visible sediment (must be included as part of analysis). Measured concentrations of organic substances in water can be biased high due to presence of sediment.</i>



## Analytical Results

WT2311250-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH02-22

Client sampling date / time: 27-Apr-2023 09:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	3.26	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.57	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	695 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	185 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	0.717 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	342000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	1.69 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951



## Analytical Results

WT2311250-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH02-22

Client sampling date / time: 27-Apr-2023 09:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	74.1	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	83.7	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	91.4	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	97.1	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								



## Analytical Results

WT2311250-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH02-22

Client sampling date / time: 27-Apr-2023 09:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	0.019	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	0.019	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	0.060	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	108	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	98.2	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	102	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2311250-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH12-22

Client sampling date / time: 27-Apr-2023 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	3.81	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.71	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	970 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	226 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817



## Analytical Results

WT2311250-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH12-22

Client sampling date / time: 27-Apr-2023 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Dissolved Metals</b>								
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	2.06 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	1.09 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	390000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	0.141 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	4.36 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951





## Analytical Results

WT2311250-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH12-22

Client sampling date / time: 27-Apr-2023 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	77.1	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	89.6	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	90.7	1.0	%	E611D	02-May-2023	02-May-2023	917951
Diffluorobenzene, 1,4-	540-36-3	96.7	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089



## Analytical Results

WT2311250-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH12-22

Client sampling date / time: 27-Apr-2023 10:20

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	0.012	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	110	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	102	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	103	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2311250-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH01-22

Client sampling date / time: 27-Apr-2023 12:25

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	2.53	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.88	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	564 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	0.13	0.10	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	0.20	0.10	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	200	0.10	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.020	0.020	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	24	10	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	0.0220	0.0050	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<0.50	0.50	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<0.10	0.10	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	0.95	0.20	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.050	0.050	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	1.17	0.050	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<0.50	0.50	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	0.447	0.050	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.010	0.010	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	237000	50	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	0.019	0.010	µg/L	E421	01-May-2023	01-May-2023	917817



## Analytical Results

WT2311250-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH01-22

Client sampling date / time: 27-Apr-2023 12:25

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Dissolved Metals</b>								
Uranium, dissolved	7440-61-1	2.67	0.010	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<0.50	0.50	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	3.0	1.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951



## Analytical Results

WT2311250-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH01-22

Client sampling date / time: 27-Apr-2023 12:25

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QC/OT
<b>Volatile Organic Compounds</b>								
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	77.9	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	93.3	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	91.4	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	96.8	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	110	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	102	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	104	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.



## Analytical Results

WT2311250-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH11-22

Client sampling date / time: 27-Apr-2023 13:45

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Physical Tests</b>								
Conductivity	----	3.54	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.71	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	895 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	246 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050 <sup>DLHC</sup>	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	10.8 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	6.16 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	356000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	6.32 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951





## Analytical Results

WT2311250-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH11-22

Client sampling date / time: 27-Apr-2023 13:45

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	80.3	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	93.2	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	92.1	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	97.0	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								



## Analytical Results

WT2311250-004

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH11-22

Client sampling date / time: 27-Apr-2023 13:45

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	0.013	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	106	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	101	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	101	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2311250-005

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH03-22

Client sampling date / time: 27-Apr-2023 14:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	3.12	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.93	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	555 <sup>DLHS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	74.8 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817





## Analytical Results

WT2311250-005

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH03-22

Client sampling date / time: 27-Apr-2023 14:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Dissolved Metals</b>								
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	2.31 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	1.19 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	0.652 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	214000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	3.21 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951



## Analytical Results

WT2311250-005

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH03-22

Client sampling date / time: 27-Apr-2023 14:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	75.8	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	81.0	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	90.7	1.0	%	E611D	02-May-2023	02-May-2023	917951
Diffluorobenzene, 1,4-	540-36-3	97.5	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089



## Analytical Results

WT2311250-005

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH03-22

Client sampling date / time: 27-Apr-2023 14:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	106	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	100	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	103	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2311250-006

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH3-23

Client sampling date / time: 27-Apr-2023 15:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	1.88	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	8.16	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	187 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	52.2 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	16.0 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	3.01 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	11.0 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	0.797 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	255000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817



## Analytical Results

WT2311250-006

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH3-23

Client sampling date / time: 27-Apr-2023 15:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Dissolved Metals</b>								
Uranium, dissolved	7440-61-1	3.80 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951



## Analytical Results

WT2311250-006

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH3-23

Client sampling date / time: 27-Apr-2023 15:40

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	83.7	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	102	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	92.0	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	96.7	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	104	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	98.2	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	100	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.





## Analytical Results

WT2311250-007

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-DUP

Client sampling date / time: 27-Apr-2023 15:55

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Physical Tests</b>								
Conductivity	----	1.86	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	8.14	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	185 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	43.6 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	14.1 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050 <sup>DLHC</sup>	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	3.03 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	10.0 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	0.846 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	227000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	3.66 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951



## Analytical Results

WT2311250-007

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-DUP

Client sampling date / time: 27-Apr-2023 15:55

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	76.1	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	90.4	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	91.3	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	96.6	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								





## Analytical Results

WT2311250-007

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-DUP

Client sampling date / time: 27-Apr-2023 15:55

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	106	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	100	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	102	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2311250-008

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH4-23

Client sampling date / time: 27-Apr-2023 17:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	4.92	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.81	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	1240 <sup>DLDS</sup>	2.50	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	4.53 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	59.1 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817



## Analytical Results

WT2311250-008

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH4-23

Client sampling date / time: 27-Apr-2023 17:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Dissolved Metals</b>								
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	<2.00 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	5.33 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	702000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	45.2 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951



## Analytical Results

WT2311250-008

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH4-23

Client sampling date / time: 27-Apr-2023 17:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	76.8	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	95.0	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	92.4	1.0	%	E611D	02-May-2023	02-May-2023	917951
Diffluorobenzene, 1,4-	540-36-3	96.6	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089



## Analytical Results

WT2311250-008

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH4-23

Client sampling date / time: 27-Apr-2023 17:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	0.017	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	0.017	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	116	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	102	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	104	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.

## Analytical Results

WT2311250-009

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH06-22

Client sampling date / time: 27-Apr-2023 18:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Conductivity	----	6.40	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	8.04	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	1730 <sup>DLDS</sup>	5.00	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	65.3 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	7.16 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	7.24 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	967000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817



## Analytical Results

WT2311250-009

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH06-22

Client sampling date / time: 27-Apr-2023 18:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Dissolved Metals</b>								
Uranium, dissolved	7440-61-1	4.42 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20 <sup>OWP</sup>	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20 <sup>OWP</sup>	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20 <sup>OWP</sup>	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,1-	75-34-3	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0 <sup>OWP</sup>	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50 <sup>OWP</sup>	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30 <sup>OWP</sup>	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30 <sup>OWP</sup>	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20 <sup>OWP</sup>	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20 <sup>OWP</sup>	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951





## Analytical Results

WT2311250-009

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH06-22

Client sampling date / time: 27-Apr-2023 18:10

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
Vinyl chloride	75-01-4	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40 <sup>OWP</sup>	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30 <sup>OWP</sup>	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50 <sup>OWP</sup>	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0 <sup>OWP</sup>	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25 <sup>OWP</sup>	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	75.9	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	95.1	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	91.3	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	96.5	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	0.015	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	101	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	99.5	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	101	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.



## Analytical Results

WT2311250-010

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH6-23

Client sampling date / time: 27-Apr-2023 19:00

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Physical Tests</b>								
Conductivity	----	5.95	0.0010	mS/cm	E100	02-May-2023	03-May-2023	919322
pH	----	7.74	0.10	pH units	E108	02-May-2023	03-May-2023	919320
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	1390 <sup>DLDS</sup>	5.00	mg/L	E235.Cl	02-May-2023	03-May-2023	919318
<b>Cyanides</b>								
Cyanide, weak acid dissociable	----	<2.0	2.0	µg/L	E336	03-May-2023	03-May-2023	920319
<b>Dissolved Metals</b>								
Antimony, dissolved	7440-36-0	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Arsenic, dissolved	7440-38-2	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Barium, dissolved	7440-39-3	66.7 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Beryllium, dissolved	7440-41-7	<0.200 <sup>DLHC</sup>	0.200	µg/L	E421	01-May-2023	01-May-2023	917817
Boron, dissolved	7440-42-8	<100 <sup>DLHC</sup>	100	µg/L	E421	01-May-2023	01-May-2023	917817
Cadmium, dissolved	7440-43-9	<0.0500 <sup>DLHC</sup>	0.0500	µg/L	E421	01-May-2023	01-May-2023	917817
Chromium, dissolved	7440-47-3	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Cobalt, dissolved	7440-48-4	<1.00 <sup>DLHC</sup>	1.00	µg/L	E421	01-May-2023	01-May-2023	917817
Copper, dissolved	7440-50-8	8.14 <sup>DLHC</sup>	2.00	µg/L	E421	01-May-2023	01-May-2023	917817
Lead, dissolved	7439-92-1	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Mercury, dissolved	7439-97-6	<0.0050 <sup>DLHC</sup>	0.0050	µg/L	E509	02-May-2023	02-May-2023	918531
Molybdenum, dissolved	7439-98-7	6.90 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Nickel, dissolved	7440-02-0	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Selenium, dissolved	7782-49-2	<0.500 <sup>DLHC</sup>	0.500	µg/L	E421	01-May-2023	01-May-2023	917817
Silver, dissolved	7440-22-4	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Sodium, dissolved	7440-23-5	854000 <sup>DLHC</sup>	500	µg/L	E421	01-May-2023	01-May-2023	917817
Thallium, dissolved	7440-28-0	<0.100 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Uranium, dissolved	7440-61-1	7.48 <sup>DLHC</sup>	0.100	µg/L	E421	01-May-2023	01-May-2023	917817
Vanadium, dissolved	7440-62-2	<5.00 <sup>DLHC</sup>	5.00	µg/L	E421	01-May-2023	01-May-2023	917817
Zinc, dissolved	7440-66-6	<10.0 <sup>DLHC</sup>	10.0	µg/L	E421	01-May-2023	01-May-2023	917817
Dissolved mercury filtration location	----	Field	-	-	EP509	-	02-May-2023	918531
Dissolved metals filtration location	----	Field	-	-	EP421	-	01-May-2023	917817
<b>Speciated Metals</b>								
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	<0.50	0.50	µg/L	E532A	-	01-May-2023	917553
<b>Volatile Organic Compounds</b>								
Acetone	67-64-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Benzene	71-43-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromodichloromethane	75-27-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromoform	75-25-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Bromomethane	74-83-9	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Carbon tetrachloride	56-23-5	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Chlorobenzene	108-90-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Chloroform	67-66-3	1.47	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromochloromethane	124-48-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dibromoethane, 1,2-	106-93-4	<0.20	0.20	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,3-	541-73-1	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichlorodifluoromethane	75-71-8	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951





## Analytical Results

WT2311250-010

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH6-23

Client sampling date / time: 27-Apr-2023 19:00

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLOT
<b>Volatile Organic Compounds</b>								
Dichloroethane, 1,1-	75-34-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethane, 1,2-	107-06-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, 1,1-	75-35-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloroethylene, trans-1,2-	156-60-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropane, 1,2-	78-87-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis+trans-1,3-	542-75-6	<0.50	0.5	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, cis-1,3-	10061-01-5	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Hexane, n-	110-54-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl isobutyl ketone [MIBK]	108-10-1	<20	20	µg/L	E611D	02-May-2023	02-May-2023	917951
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Styrene	100-42-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2-	630-20-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethane, 1,1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Toluene	108-88-3	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,1-	71-55-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethane, 1,1,2-	79-00-5	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Trichlorofluoromethane	75-69-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Vinyl chloride	75-01-4	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	02-May-2023	02-May-2023	917951
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	02-May-2023	02-May-2023	917951
BTEX, total	----	<1.0	1.0	µg/L	E611D	02-May-2023	02-May-2023	917951
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<25	25	µg/L	E581.F1-L	02-May-2023	02-May-2023	917952
F2 (C10-C16)	----	<100	100	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F2-Naphthalene	----	<100	100	µg/L	EC600SG	-	05-May-2023	-
F3 (C16-C34)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F3-PAH	n/a	<250	250	µg/L	EC600SG	-	05-May-2023	-
F4 (C34-C50)	----	<250	250	µg/L	E601.SG	02-May-2023	05-May-2023	918090
F1-BTEX	----	<25	25	µg/L	EC580	-	03-May-2023	-
Hydrocarbons, total (C6-C50)	----	<370	370	µg/L	EC581SG	-	03-May-2023	-
Chromatogram to baseline at nC50	n/a	YES	-	-	E601.SG	02-May-2023	05-May-2023	918090
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	84.5	1.0	%	E601.SG	02-May-2023	05-May-2023	918090
Dichlorotoluene, 3,4-	95-75-0	97.2	1.0	%	E581.F1-L	02-May-2023	02-May-2023	917952
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	91.1	1.0	%	E611D	02-May-2023	02-May-2023	917951
Difluorobenzene, 1,4-	540-36-3	96.5	1.0	%	E611D	02-May-2023	02-May-2023	917951
<b>Polycyclic Aromatic Hydrocarbons</b>								



## Analytical Results

WT2311250-010

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12606873-270423-DA-BH6-23

Client sampling date / time: 27-Apr-2023 19:00

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A	02-May-2023	05-May-2023	918089
Methylnaphthalene, 2-	91-57-6	0.013	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	02-May-2023	05-May-2023	918089
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	02-May-2023	05-May-2023	918089
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A	02-May-2023	05-May-2023	918089
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	113	0.1	%	E641A	02-May-2023	05-May-2023	918089
Naphthalene-d8	1146-65-2	106	0.1	%	E641A	02-May-2023	05-May-2023	918089
Phenanthrene-d10	1517-22-2	108	0.1	%	E641A	02-May-2023	05-May-2023	918089

Please refer to the General Comments section for an explanation of any qualifiers detected.




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## QUALITY CONTROL INTERPRETIVE REPORT

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<p><b>Work Order</b> : <b>WT2311250</b></p> <p><b>Client</b> : <b>GHD Limited</b></p> <p><b>Contact</b> : Pascal Renella</p> <p><b>Address</b> : 455 Phillip Street Waterloo ON Canada N2L 3X2</p> <p><b>Telephone</b> : 519 725 3313</p> <p><b>Project</b> : 12606873-003.02</p> <p><b>PO</b> : 735-006550</p> <p><b>C-O-C number</b> : ----</p> <p><b>Sampler</b> : ----</p> <p><b>Site</b> : ----</p> <p><b>Quote number</b> : 12606873-003.02-SSOW-735-006550</p> <p><b>No. of samples received</b> : 10</p> <p><b>No. of samples analysed</b> : 10</p>	<p><b>Page</b> : 1 of 19</p> <p><b>Laboratory</b> : Waterloo - Environmental</p> <p><b>Account Manager</b> : Rick Hawthorne</p> <p><b>Address</b> : 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8</p> <p><b>Telephone</b> : +1 519 886 6910</p> <p><b>Date Samples Received</b> : 28-Apr-2023 08:25</p> <p><b>Issue Date</b> : 05-May-2023 21:27</p>
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This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

**Key**

- Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
- CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
- DQO: Data Quality Objective.
- LOR: Limit of Reporting (detection limit).
- RPD: Relative Percent Difference.

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### ***Workorder Comments***

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

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### ***Summary of Outliers***

#### ***Outliers : Quality Control Samples***

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

#### ***Outliers: Reference Material (RM) Samples***

- No Reference Material (RM) Sample outliers occur.

***Outliers : Analysis Holding Time Compliance (Breaches)***

- No Analysis Holding Time Outliers exist.

***Outliers : Frequency of Quality Control Samples***

- No Quality Control Sample Frequency Outliers occur.



## Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH01-22	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH02-22	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH03-22	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH06-22	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH11-22	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH12-22	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓
<b>Anions and Nutrients : Chloride in Water by IC</b>										
HDPE [ON MECP] GW-12606873-270423-DA-BH3-23	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Anions and Nutrients : Chloride in Water by IC</b>											
<b>HDPE [ON MECP]</b> GW-12606873-270423-DA-BH4-23	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Anions and Nutrients : Chloride in Water by IC</b>											
<b>HDPE [ON MECP]</b> GW-12606873-270423-DA-BH6-23	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Anions and Nutrients : Chloride in Water by IC</b>											
<b>HDPE [ON MECP]</b> GW-12606873-270423-DA-DUP	E235.Cl	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH01-22	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH02-22	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH03-22	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH06-22	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH11-22	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH12-22	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH3-23	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH4-23	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-BH6-23	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Cyanides : WAD Cyanide</b>											
<b>UV-inhibited HDPE - total (sodium hydroxide)</b> GW-12606873-270423-DA-DUP	E336	27-Apr-2023	03-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH01-22	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH02-22	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH03-22	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH06-22	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH11-22	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	





Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH12-22	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH3-23	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH4-23	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-BH6-23	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>											
<b>Glass vial dissolved (hydrochloric acid)</b> GW-12606873-270423-DA-DUP	E509	27-Apr-2023	02-May-2023	----	----		02-May-2023	28 days	5 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH01-22	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH02-22	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH03-22	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH06-22	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH11-22	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH12-22	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH3-23	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH4-23	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-BH6-23	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
<b>HDPE dissolved (nitric acid)</b> GW-12606873-270423-DA-DUP	E421	27-Apr-2023	01-May-2023	----	----		01-May-2023	180 days	4 days	✔
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-BH01-22	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-BH03-22	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-BH06-22	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH11-22	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH3-23	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH4-23	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH6-23	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-DUP	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH02-22	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	5 days	✔	
<b>Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)</b>											
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH12-22	E581.F1-L	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	5 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
Amber glass/Teflon lined cap (sodium bisulfate) GW-12606873-270423-DA-BH01-22	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
Amber glass/Teflon lined cap (sodium bisulfate) GW-12606873-270423-DA-BH02-22	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH03-22	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH06-22	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH11-22	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH12-22	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH3-23	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH4-23	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH6-23	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-DUP	E601.SG	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
<b>HDPE [ON MECP]</b> GW-12606873-270423-DA-BH01-22	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH02-22	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH03-22	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH06-22	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH11-22	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH12-22	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH3-23	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH4-23	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH6-23	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	
<b>Physical Tests : Conductivity in Water</b>											
HDPE [ON MECP] GW-12606873-270423-DA-DUP	E100	27-Apr-2023	02-May-2023	----	----		03-May-2023	28 days	6 days	✔	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH01-22	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH02-22	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH03-22	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH06-22	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH11-22	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH12-22	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH3-23	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH4-23	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	
<b>Physical Tests : pH by Meter</b>											
HDPE [ON MECP] GW-12606873-270423-DA-BH6-23	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔	



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Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Physical Tests : pH by Meter</b>										
<b>HDPE [ON MECP]</b> GW-12606873-270423-DA-DUP	E108	27-Apr-2023	02-May-2023	----	----		03-May-2023	14 days	6 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH01-22	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH02-22	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH03-22	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH06-22	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH11-22	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH12-22	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH3-23	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH4-23	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔





Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-BH6-23	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>											
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12606873-270423-DA-DUP	E641A	27-Apr-2023	02-May-2023	14 days	5 days	✔	05-May-2023	40 days	3 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH01-22	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH02-22	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH03-22	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH06-22	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH11-22	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH12-22	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>											
<b>HDPE - dissolved (NaOH+Buf) [ON MECP]</b> GW-12606873-270423-DA-BH3-23	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>										
HDPE - dissolved (NaOH+Buf) [ON MECP] GW-12606873-270423-DA-BH4-23	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>										
HDPE - dissolved (NaOH+Buf) [ON MECP] GW-12606873-270423-DA-BH6-23	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔
<b>Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC</b>										
HDPE - dissolved (NaOH+Buf) [ON MECP] GW-12606873-270423-DA-DUP	E532A	27-Apr-2023	----	----	----		01-May-2023	28 days	4 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH01-22	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH03-22	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH06-22	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH11-22	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH3-23	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
Glass vial (sodium bisulfate) GW-12606873-270423-DA-BH4-23	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✔



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-BH6-23	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✓
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-DUP	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	4 days	✓
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-BH02-22	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	5 days	✓
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12606873-270423-DA-BH12-22	E611D	27-Apr-2023	02-May-2023	----	----		02-May-2023	14 days	5 days	✓

**Legend & Qualifier Definitions**

Rec. HT: ALS recommended hold time (see units).



## Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water** Evaluation: \* = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
			QC	Regular	Actual	Expected	Evaluation
<b>Analytical Methods</b>							
<b>Laboratory Duplicates (DUP)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	917952	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	919318	1	19	5.2	5.0	✓
Conductivity in Water	E100	919322	1	18	5.5	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	917553	1	14	7.1	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	918531	1	14	7.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	917817	1	20	5.0	5.0	✓
pH by Meter	E108	919320	1	19	5.2	5.0	✓
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	917951	1	10	10.0	5.0	✓
WAD Cyanide	E336	920319	1	19	5.2	5.0	✓
<b>Laboratory Control Samples (LCS)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	917952	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	919318	1	19	5.2	5.0	✓
Conductivity in Water	E100	919322	1	18	5.5	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	917553	1	14	7.1	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	918531	1	14	7.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	917817	1	20	5.0	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	918089	1	20	5.0	5.0	✓
pH by Meter	E108	919320	1	19	5.2	5.0	✓
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	918090	1	20	5.0	5.0	✓
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	917951	1	10	10.0	5.0	✓
WAD Cyanide	E336	920319	1	19	5.2	5.0	✓
<b>Method Blanks (MB)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	917952	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	919318	1	19	5.2	5.0	✓
Conductivity in Water	E100	919322	1	18	5.5	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	917553	1	14	7.1	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	918531	1	14	7.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	917817	1	20	5.0	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	918089	1	20	5.0	5.0	✓
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	918090	1	20	5.0	5.0	✓
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	917951	1	10	10.0	5.0	✓
WAD Cyanide	E336	920319	1	19	5.2	5.0	✓
<b>Matrix Spikes (MS)</b>							
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	917952	1	10	10.0	5.0	✓
Chloride in Water by IC	E235.Cl	919318	1	19	5.2	5.0	✓



Matrix: **Water** Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
			QC	Regular	Actual	Expected	Evaluation
<i>Analytical Methods</i>							
<b>Matrix Spikes (MS) - Continued</b>							
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	917553	1	14	7.1	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	918531	1	14	7.1	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	917817	1	20	5.0	5.0	✔
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	917951	1	10	10.0	5.0	✔
WAD Cyanide	E336	920319	1	19	5.2	5.0	✔



## Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Waterloo - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Waterloo - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Waterloo - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
WAD Cyanide	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by Continuous Flow Analyzer (CFA) with in-line distillation followed by colourmetric analysis.
Dissolved Metals in Water by CRC ICPMS	E421 Waterloo - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Mercury in Water by CVAAS	E509 Waterloo - Environmental	Water	APHA 3030B/EPA 1631E (mod)	Water samples are filtered (0.45 um), preserved with HCl, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A Waterloo - Environmental	Water	APHA 3500-Cr C (Ion Chromatography)	Hexavalent Chromium is measured by Ion chromatography-Post column reaction and UV detection.  sample pretreatment involved field or lab filtration following by sample preservation.
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1 (mod)	CCME Fraction 1 (F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1 (mod)	Sample extracts are subjected to in-situ silica gel treatment prior to analysis by GC-FID for CCME hydrocarbon fractions (F2-F4).  Sample extracts are analyzed by GC-FID for CCME hydrocarbon fractions (F2-F4), as per the CCME Analytical Methods Guidance Manual (2016)



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
VOCs (Eastern Canada List) by Headspace GC-MS	E611D Waterloo - Environmental	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
PAHs by Hexane LVI GC-MS	E641A Waterloo - Environmental	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
F1-BTEX	EC580 Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	F1-BTEX is calculated as follows: F1-BTEX = F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).
SUM F1 to F4 where F2-F4 is SG treated	EC581SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	Hydrocarbons, total (C6-C50) is the sum of CCME Fraction F1(C6-C10), F2(C10-C16), F3(C16-C34), and F4(C34-C50), where F2-F4 have been treated with silica gel. F4G-sg is not used within this calculation due to overlap with other fractions.
F2-F4 (sg) minus PAH	EC600SG Waterloo - Environmental	Water	CCME PHC in Soil - Tier 1	F2-F4 (sg) minus PAH is calculated as follows: F2-F4 minus PAH = Sum of CCME Fraction 2 (C10-C16), CCME Fraction 3 (C16-C34), and CCME Fraction 4 (C34-C50), minus select Polycyclic Aromatic Hydrocarbons (PAH).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 Waterloo - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.
Dissolved Mercury Water Filtration	EP509 Waterloo - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HCl.
VOCs Preparation for Headspace Analysis	EP581 Waterloo - Environmental	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into the GC/MS-FID system.
PHCs and PAHs Hexane Extraction	EP601 Waterloo - Environmental	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.



## QUALITY CONTROL REPORT

<b>Work Order</b>	<b>: WT2311250</b>	<b>Page</b>	<b>: 1 of 14</b>
<b>Client</b>	: GHD Limited	<b>Laboratory</b>	: Waterloo - Environmental
<b>Contact</b>	: Pascal Renella	<b>Account Manager</b>	: Rick Hawthorne
<b>Address</b>	: 455 Phillip Street Waterloo ON Canada N2L 3X2	<b>Address</b>	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
<b>Telephone</b>	:	<b>Telephone</b>	: +1 519 886 6910
<b>Project</b>	: 12606873-003.02	<b>Date Samples Received</b>	: 28-Apr-2023 08:25
<b>PO</b>	: 735-006550	<b>Date Analysis Commenced</b>	: 01-May-2023
<b>C-O-C number</b>	: ----	<b>Issue Date</b>	: 05-May-2023 21:27
<b>Sampler</b>	: ----                    519 725 3313		
<b>Site</b>	: ----		
<b>Quote number</b>	: 12606873-003.02-SSOW-735-006550		
<b>No. of samples received</b>	: 10		
<b>No. of samples analysed</b>	: 10		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Greg Pokocky	Manager - Inorganics	Waterloo Inorganics, Waterloo, Ontario
Greg Pokocky	Manager - Inorganics	Waterloo Metals, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	Waterloo VOC, Waterloo, Ontario

Page : 2 of 14  
Work Order : WT2311250  
Client : GHD Limited  
Project : 12606873-003.02



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## General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

# = Indicates a QC result that did not meet the ALS DQO.

## Workorder Comments

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Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

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### Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Physical Tests (QC Lot: 919320)</b>											
WT2310984-003	Anonymous	pH	----	E108	0.10	pH units	8.26	8.28	0.242%	4%	----
<b>Physical Tests (QC Lot: 919322)</b>											
WT2311088-001	Anonymous	Conductivity	----	E100	1.0	µS/cm	2.73 mS/cm	2730	0.00%	10%	----
<b>Anions and Nutrients (QC Lot: 919318)</b>											
WT2310984-003	Anonymous	Chloride	16887-00-6	E235.Cl	0.50	mg/L	76.8	76.7	0.174%	20%	----
<b>Cyanides (QC Lot: 920319)</b>											
WT2310848-001	Anonymous	Cyanide, weak acid dissociable	----	E336	0.0020	mg/L	<2.0 µg/L	<0.0020	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 917817)</b>											
WT2311250-001	GW-12606873-270423-DA-BH02-22	Antimony, dissolved	7440-36-0	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		Barium, dissolved	7440-39-3	E421	0.00100	mg/L	185 µg/L	0.182	1.59%	20%	----
		Beryllium, dissolved	7440-41-7	E421	0.000200	mg/L	<0.200 µg/L	<0.000200	0	Diff <2x LOR	----
		Boron, dissolved	7440-42-8	E421	0.100	mg/L	<100 µg/L	<0.100	0	Diff <2x LOR	----
		Cadmium, dissolved	7440-43-9	E421	0.0000500	mg/L	<0.0500 µg/L	<0.0000500	0	Diff <2x LOR	----
		Chromium, dissolved	7440-47-3	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		Cobalt, dissolved	7440-48-4	E421	0.00100	mg/L	<1.00 µg/L	<0.00100	0	Diff <2x LOR	----
		Copper, dissolved	7440-50-8	E421	0.00200	mg/L	<2.00 µg/L	<0.00200	0	Diff <2x LOR	----
		Lead, dissolved	7439-92-1	E421	0.000500	mg/L	<0.500 µg/L	<0.000500	0	Diff <2x LOR	----
		Molybdenum, dissolved	7439-98-7	E421	0.000500	mg/L	0.717 µg/L	0.000872	0.000154	Diff <2x LOR	----
		Nickel, dissolved	7440-02-0	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		Selenium, dissolved	7782-49-2	E421	0.000500	mg/L	<0.500 µg/L	<0.000500	0	Diff <2x LOR	----
		Silver, dissolved	7440-22-4	E421	0.000100	mg/L	<0.100 µg/L	<0.000100	0	Diff <2x LOR	----
		Sodium, dissolved	7440-23-5	E421	0.500	mg/L	342000 µg/L	341	0.139%	20%	----
		Thallium, dissolved	7440-28-0	E421	0.000100	mg/L	<0.100 µg/L	<0.000100	0	Diff <2x LOR	----
		Uranium, dissolved	7440-61-1	E421	0.000100	mg/L	1.69 µg/L	0.00173	2.54%	20%	----
		Vanadium, dissolved	7440-62-2	E421	0.00500	mg/L	<5.00 µg/L	<0.00500	0	Diff <2x LOR	----
		Zinc, dissolved	7440-66-6	E421	0.0100	mg/L	<10.0 µg/L	<0.0100	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 918531)</b>											
WT2310848-001	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0050 µg/L	<0.0000050	0	Diff <2x LOR	----
<b>Speciated Metals (QC Lot: 917553)</b>											



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Speciated Metals (QC Lot: 917553) - continued</b>											
WT2311225-001	Anonymous	Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.00050	mg/L	<0.50 µg/L	<0.00050	0	Diff <2x LOR	----
<b>Volatile Organic Compounds (QC Lot: 917951)</b>											
WT2311250-001	GW-12606873-270423-DA-BH02-22	Acetone	67-64-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Benzene	71-43-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromomethane	74-83-9	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dibromoethane, 1,2-	106-93-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorodifluoromethane	75-71-8	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,1-	75-34-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,2-	107-06-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, 1,1-	75-35-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, cis-1,2-	156-59-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, trans-1,2-	156-60-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloromethane	75-09-2	E611D	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		Dichloropropane, 1,2-	78-87-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Hexane, n-	110-54-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Styrene	100-42-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,1,2,2-	79-34-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



Sub-Matrix: <b>Water</b>					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Volatile Organic Compounds (QC Lot: 917951) - continued</b>											
WT2311250-001	GW-12606873-270423-DA-BH02-22	Tetrachloroethylene	127-18-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Toluene	108-88-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,1-	71-55-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,2-	79-00-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethylene	79-01-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichlorofluoromethane	75-69-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Vinyl chloride	75-01-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611D	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
Xylene, o-	95-47-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----		
<b>Hydrocarbons (QC Lot: 917952)</b>											
WT2311250-001	GW-12606873-270423-DA-BH02-22	F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	<25	0	Diff <2x LOR	----



## Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Physical Tests (QCLot: 919322)</b>						
Conductivity	---	E100	1	µS/cm	<1.0	---
<b>Anions and Nutrients (QCLot: 919318)</b>						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	---
<b>Cyanides (QCLot: 920319)</b>						
Cyanide, weak acid dissociable	---	E336	0.002	mg/L	<0.0020	---
<b>Dissolved Metals (QCLot: 917817)</b>						
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	---
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	---
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	---
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	---
Boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	---
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	---
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	---
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	---
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	---
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	---
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	---
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	---
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	---
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	---
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	---
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	---
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	---
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	---
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	---
<b>Dissolved Metals (QCLot: 918531)</b>						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	---
<b>Speciated Metals (QCLot: 917553)</b>						
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	<0.00050	---
<b>Volatile Organic Compounds (QCLot: 917951)</b>						
Acetone	67-64-1	E611D	20	µg/L	<20	---
Benzene	71-43-2	E611D	0.5	µg/L	<0.50	---



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Volatile Organic Compounds (QCLot: 917951) - continued</b>						
Bromodichloromethane	75-27-4	E611D	0.5	µg/L	<0.50	----
Bromoform	75-25-2	E611D	0.5	µg/L	<0.50	----
Bromomethane	74-83-9	E611D	0.5	µg/L	<0.50	----
Carbon tetrachloride	56-23-5	E611D	0.2	µg/L	<0.20	----
Chlorobenzene	108-90-7	E611D	0.5	µg/L	<0.50	----
Chloroform	67-66-3	E611D	0.5	µg/L	<0.50	----
Dibromochloromethane	124-48-1	E611D	0.5	µg/L	<0.50	----
Dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	<0.20	----
Dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	<0.50	----
Dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	<0.50	----
Dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	<0.50	----
Dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	<0.50	----
Dichloromethane	75-09-2	E611D	1	µg/L	<1.0	----
Dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	<0.50	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	<0.30	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	<0.30	----
Ethylbenzene	100-41-4	E611D	0.5	µg/L	<0.50	----
Hexane, n-	110-54-3	E611D	0.5	µg/L	<0.50	----
Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	<0.50	----
Styrene	100-42-5	E611D	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,1,2,2-	79-34-5	E611D	0.5	µg/L	<0.50	----
Tetrachloroethylene	127-18-4	E611D	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611D	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	<0.50	----
Trichloroethylene	79-01-6	E611D	0.5	µg/L	<0.50	----
Trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	<0.50	----





Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Volatile Organic Compounds (QCLot: 917951) - continued</b>						
Vinyl chloride	75-01-4	E611D	0.5	µg/L	<0.50	----
Xylene, m+p-	179601-23-1	E611D	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611D	0.3	µg/L	<0.30	----
<b>Hydrocarbons (QCLot: 917952)</b>						
F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	----
<b>Hydrocarbons (QCLot: 918090)</b>						
F2 (C10-C16)	----	E601.SG	100	µg/L	<100	----
F3 (C16-C34)	----	E601.SG	250	µg/L	<250	----
F4 (C34-C50)	----	E601.SG	250	µg/L	<250	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 918089)</b>						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benzo(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----



## Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Physical Tests (QCLot: 919320)</b>									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
<b>Physical Tests (QCLot: 919322)</b>									
Conductivity	----	E100	1	µS/cm	1409 µS/cm	102	90.0	110	----
<b>Anions and Nutrients (QCLot: 919318)</b>									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	101	90.0	110	----
<b>Cyanides (QCLot: 920319)</b>									
Cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	99.2	80.0	120	----
<b>Dissolved Metals (QCLot: 917817)</b>									
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	0.05 mg/L	100	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	0.05 mg/L	104	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.0125 mg/L	102	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.005 mg/L	95.6	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	0.05 mg/L	93.0	80.0	120	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.005 mg/L	99.3	80.0	120	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.0125 mg/L	96.5	80.0	120	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.0125 mg/L	95.9	80.0	120	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.0125 mg/L	95.7	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.025 mg/L	101	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.0125 mg/L	98.4	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.025 mg/L	96.9	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	0.05 mg/L	96.9	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.005 mg/L	91.0	80.0	120	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	2.5 mg/L	98.7	80.0	120	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	0.05 mg/L	102	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.00025 mg/L	103	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.025 mg/L	98.5	80.0	120	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.025 mg/L	98.9	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0.0001 mg/L	97.9	80.0	120	----
<b>Speciated Metals (QCLot: 917553)</b>									



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Speciated Metals (QCLot: 917553) - continued</b>									
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	0.025 mg/L	97.5	80.0	120	----
<b>Volatile Organic Compounds (QCLot: 917951)</b>									
Acetone	67-64-1	E611D	20	µg/L	100 µg/L	103	70.0	130	----
Benzene	71-43-2	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Bromodichloromethane	75-27-4	E611D	0.5	µg/L	100 µg/L	96.2	70.0	130	----
Bromoform	75-25-2	E611D	0.5	µg/L	100 µg/L	90.2	70.0	130	----
Bromomethane	74-83-9	E611D	0.5	µg/L	100 µg/L	110	60.0	140	----
Carbon tetrachloride	56-23-5	E611D	0.2	µg/L	100 µg/L	98.7	70.0	130	----
Chlorobenzene	108-90-7	E611D	0.5	µg/L	100 µg/L	97.9	70.0	130	----
Chloroform	67-66-3	E611D	0.5	µg/L	100 µg/L	99.5	70.0	130	----
Dibromochloromethane	124-48-1	E611D	0.5	µg/L	100 µg/L	91.8	70.0	130	----
Dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	100 µg/L	93.3	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	100 µg/L	94.7	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	100 µg/L	97.4	70.0	130	----
Dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	100 µg/L	97.1	70.0	130	----
Dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	100 µg/L	104	60.0	140	----
Dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	100 µg/L	97.3	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
Dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	100 µg/L	98.6	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	100 µg/L	106	70.0	130	----
Dichloromethane	75-09-2	E611D	1	µg/L	100 µg/L	101	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	100 µg/L	101	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	100 µg/L	97.8	70.0	130	----
Ethylbenzene	100-41-4	E611D	0.5	µg/L	100 µg/L	99.5	70.0	130	----
Hexane, n-	110-54-3	E611D	0.5	µg/L	100 µg/L	107	70.0	130	----
Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	100 µg/L	96.5	70.0	130	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	100 µg/L	92.0	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
Styrene	100-42-5	E611D	0.5	µg/L	100 µg/L	100	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	100 µg/L	96.7	70.0	130	----
Tetrachloroethane, 1,1,1,2,2-	79-34-5	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Tetrachloroethylene	127-18-4	E611D	0.5	µg/L	100 µg/L	95.2	70.0	130	----
Toluene	108-88-3	E611D	0.5	µg/L	100 µg/L	99.0	70.0	130	----



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 917951) - continued</b>									
Trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	100 µg/L	99.2	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	100 µg/L	96.7	70.0	130	----
Trichloroethylene	79-01-6	E611D	0.5	µg/L	100 µg/L	97.0	70.0	130	----
Trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	100 µg/L	100	60.0	140	----
Vinyl chloride	75-01-4	E611D	0.5	µg/L	100 µg/L	109	60.0	140	----
Xylene, m+p-	179601-23-1	E611D	0.4	µg/L	200 µg/L	102	70.0	130	----
Xylene, o-	95-47-6	E611D	0.3	µg/L	100 µg/L	99.7	70.0	130	----
<b>Hydrocarbons (QCLot: 917952)</b>									
F1 (C6-C10)	---	E581.F1-L	25	µg/L	2000 µg/L	112	80.0	120	----
<b>Hydrocarbons (QCLot: 918090)</b>									
F2 (C10-C16)	---	E601.SG	100	µg/L	4613.474 µg/L	91.0	70.0	130	----
F3 (C16-C34)	---	E601.SG	250	µg/L	6464.481 µg/L	91.7	70.0	130	----
F4 (C34-C50)	---	E601.SG	250	µg/L	4040.361 µg/L	95.6	70.0	130	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 918089)</b>									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.5263 µg/L	85.0	50.0	140	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5263 µg/L	89.8	50.0	140	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.5263 µg/L	91.9	50.0	140	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5263 µg/L	99.6	50.0	140	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5263 µg/L	92.4	50.0	140	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5263 µg/L	85.0	50.0	140	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5263 µg/L	118	50.0	140	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5263 µg/L	87.0	50.0	140	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.5263 µg/L	99.6	50.0	140	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5263 µg/L	102	50.0	140	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.5263 µg/L	95.7	50.0	140	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.5263 µg/L	91.8	50.0	140	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5263 µg/L	114	50.0	140	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5263 µg/L	82.6	50.0	140	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5263 µg/L	81.3	50.0	140	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.5263 µg/L	81.3	50.0	140	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.5263 µg/L	91.5	50.0	140	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.5263 µg/L	95.7	50.0	140	----



## Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		Qualifier
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	
<b>Anions and Nutrients (QCLot: 919318)</b>										
WT2310984-003	Anonymous	Chloride	16887-00-6	E235.Cl	97.3 mg/L	100 mg/L	97.3	75.0	125	----
<b>Cyanides (QCLot: 920319)</b>										
WT2310848-001	Anonymous	Cyanide, weak acid dissociable	----	E336	0.127 mg/L	0.125 mg/L	101	75.0	125	----
<b>Dissolved Metals (QCLot: 917817)</b>										
WT2311250-002	GW-12606873-270423-DA-B H12-22	Antimony, dissolved	7440-36-0	E421	0.471 mg/L	0.5 mg/L	94.2	70.0	130	----
		Arsenic, dissolved	7440-38-2	E421	0.511 mg/L	0.5 mg/L	102	70.0	130	----
		Barium, dissolved	7440-39-3	E421	ND mg/L	0.125 mg/L	ND	70.0	130	----
		Beryllium, dissolved	7440-41-7	E421	0.0477 mg/L	0.05 mg/L	95.4	70.0	130	----
		Boron, dissolved	7440-42-8	E421	0.449 mg/L	0.5 mg/L	89.9	70.0	130	----
		Cadmium, dissolved	7440-43-9	E421	0.0468 mg/L	0.05 mg/L	93.5	70.0	130	----
		Chromium, dissolved	7440-47-3	E421	0.116 mg/L	0.125 mg/L	93.2	70.0	130	----
		Cobalt, dissolved	7440-48-4	E421	0.115 mg/L	0.125 mg/L	91.8	70.0	130	----
		Copper, dissolved	7440-50-8	E421	0.112 mg/L	0.125 mg/L	89.4	70.0	130	----
		Lead, dissolved	7439-92-1	E421	0.239 mg/L	0.25 mg/L	95.5	70.0	130	----
		Molybdenum, dissolved	7439-98-7	E421	0.124 mg/L	0.125 mg/L	99.2	70.0	130	----
		Nickel, dissolved	7440-02-0	E421	0.227 mg/L	0.25 mg/L	90.8	70.0	130	----
		Selenium, dissolved	7782-49-2	E421	0.464 mg/L	0.5 mg/L	92.8	70.0	130	----
		Silver, dissolved	7440-22-4	E421	0.0427 mg/L	0.05 mg/L	85.4	70.0	130	----
		Sodium, dissolved	7440-23-5	E421	ND mg/L	25 mg/L	ND	70.0	130	----
		Thallium, dissolved	7440-28-0	E421	0.484 mg/L	0.5 mg/L	96.8	70.0	130	----
Uranium, dissolved	7440-61-1	E421	ND mg/L	0.0025 mg/L	ND	70.0	130	----		
Vanadium, dissolved	7440-62-2	E421	0.242 mg/L	0.25 mg/L	97.0	70.0	130	----		
Zinc, dissolved	7440-66-6	E421	0.232 mg/L	0.25 mg/L	93.0	70.0	130	----		
<b>Dissolved Metals (QCLot: 918531)</b>										
WT2311250-001	GW-12606873-270423-DA-B H02-22	Mercury, dissolved	7439-97-6	E509	0.000102 mg/L	0.0001 mg/L	102	70.0	130	----
<b>Speciated Metals (QCLot: 917553)</b>										
WT2311225-001	Anonymous	Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0396 mg/L	0.04 mg/L	98.9	70.0	130	----
<b>Volatile Organic Compounds (QCLot: 917951)</b>										



Sub-Matrix: Water

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 917951) - continued</b>										
WT2311250-001	GW-12606873-270423-DA-B H02-22	Acetone	67-64-1	E611D	108 µg/L	100 µg/L	108	60.0	140	----
		Benzene	71-43-2	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Bromodichloromethane	75-27-4	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Bromoform	75-25-2	E611D	95.5 µg/L	100 µg/L	95.5	60.0	140	----
		Bromomethane	74-83-9	E611D	92.8 µg/L	100 µg/L	92.8	60.0	140	----
		Carbon tetrachloride	56-23-5	E611D	97.6 µg/L	100 µg/L	97.6	60.0	140	----
		Chlorobenzene	108-90-7	E611D	98.6 µg/L	100 µg/L	98.6	60.0	140	----
		Chloroform	67-66-3	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		Dibromochloromethane	124-48-1	E611D	97.0 µg/L	100 µg/L	97.0	60.0	140	----
		Dibromoethane, 1,2-	106-93-4	E611D	97.7 µg/L	100 µg/L	97.7	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611D	97.3 µg/L	100 µg/L	97.3	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611D	98.2 µg/L	100 µg/L	98.2	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611D	98.2 µg/L	100 µg/L	98.2	60.0	140	----
		Dichlorodifluoromethane	75-71-8	E611D	61.1 µg/L	100 µg/L	61.1	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611D	104 µg/L	100 µg/L	104	60.0	140	----
		Dichloroethane, 1,2-	107-06-2	E611D	103 µg/L	100 µg/L	103	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611D	92.4 µg/L	100 µg/L	92.4	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611D	99.1 µg/L	100 µg/L	99.1	60.0	140	----
		Dichloroethylene, trans-1,2-	156-60-5	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Dichloromethane	75-09-2	E611D	100 µg/L	100 µg/L	100	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611D	105 µg/L	100 µg/L	105	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611D	97.7 µg/L	100 µg/L	97.7	60.0	140	----
		Ethylbenzene	100-41-4	E611D	97.9 µg/L	100 µg/L	97.9	60.0	140	----
		Hexane, n-	110-54-3	E611D	94.0 µg/L	100 µg/L	94.0	60.0	140	----
		Methyl ethyl ketone [MEK]	78-93-3	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Methyl isobutyl ketone [MIBK]	108-10-1	E611D	94 µg/L	100 µg/L	94.4	60.0	140	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		Styrene	100-42-5	E611D	100 µg/L	100 µg/L	100	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	99.3 µg/L	100 µg/L	99.3	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	107 µg/L	100 µg/L	107	60.0	140	----
		Tetrachloroethylene	127-18-4	E611D	92.5 µg/L	100 µg/L	92.5	60.0	140	----
		Toluene	108-88-3	E611D	97.3 µg/L	100 µg/L	97.3	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611D	97.2 µg/L	100 µg/L	97.2	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611D	101 µg/L	100 µg/L	101	60.0	140	----



Sub-Matrix: **Water**

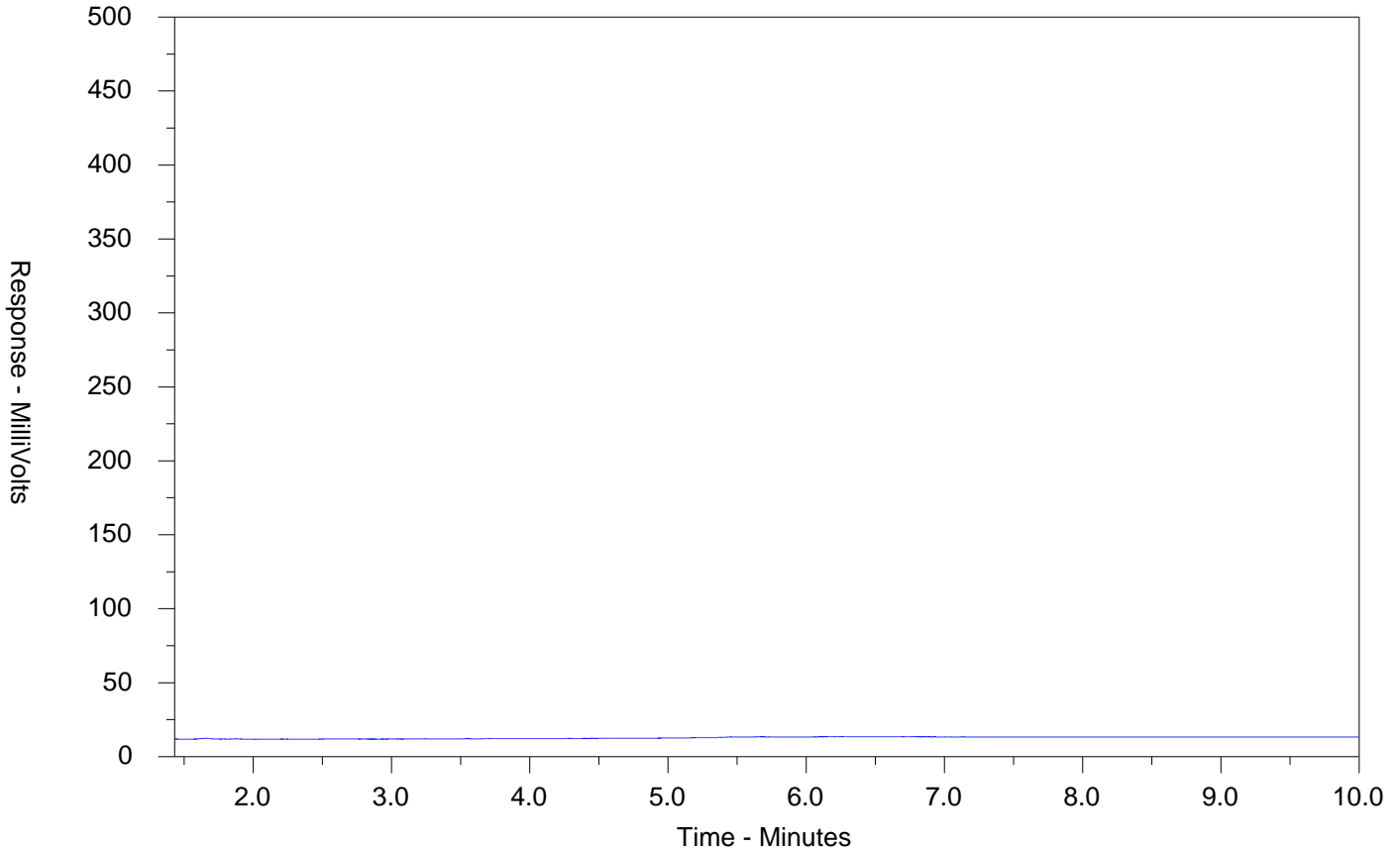
					<i>Matrix Spike (MS) Report</i>					
					<i>Spike</i>		<i>Recovery (%)</i>	<i>Recovery Limits (%)</i>		
<i>Laboratory sample ID</i>	<i>Client sample ID</i>	<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>Concentration</i>	<i>Target</i>	<i>MS</i>	<i>Low</i>	<i>High</i>	<i>Qualifier</i>
<b>Volatile Organic Compounds (QCLot: 917951) - continued</b>										
WT2311250-001	GW-12606873-270423-DA-B H02-22	Trichloroethylene	79-01-6	E611D	97.2 µg/L	100 µg/L	97.2	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611D	87.1 µg/L	100 µg/L	87.1	60.0	140	----
		Vinyl chloride	75-01-4	E611D	82.2 µg/L	100 µg/L	82.2	60.0	140	----
		Xylene, m+p-	179601-23-1	E611D	203 µg/L	200 µg/L	101	60.0	140	----
		Xylene, o-	95-47-6	E611D	99.9 µg/L	100 µg/L	99.9	60.0	140	----
<b>Hydrocarbons (QCLot: 917952)</b>										
WT2311250-001	GW-12606873-270423-DA-B H02-22	F1 (C6-C10)	----	E581.F1-L	1620 µg/L	2000 µg/L	81.2	60.0	140	----



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-001-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH02-22



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

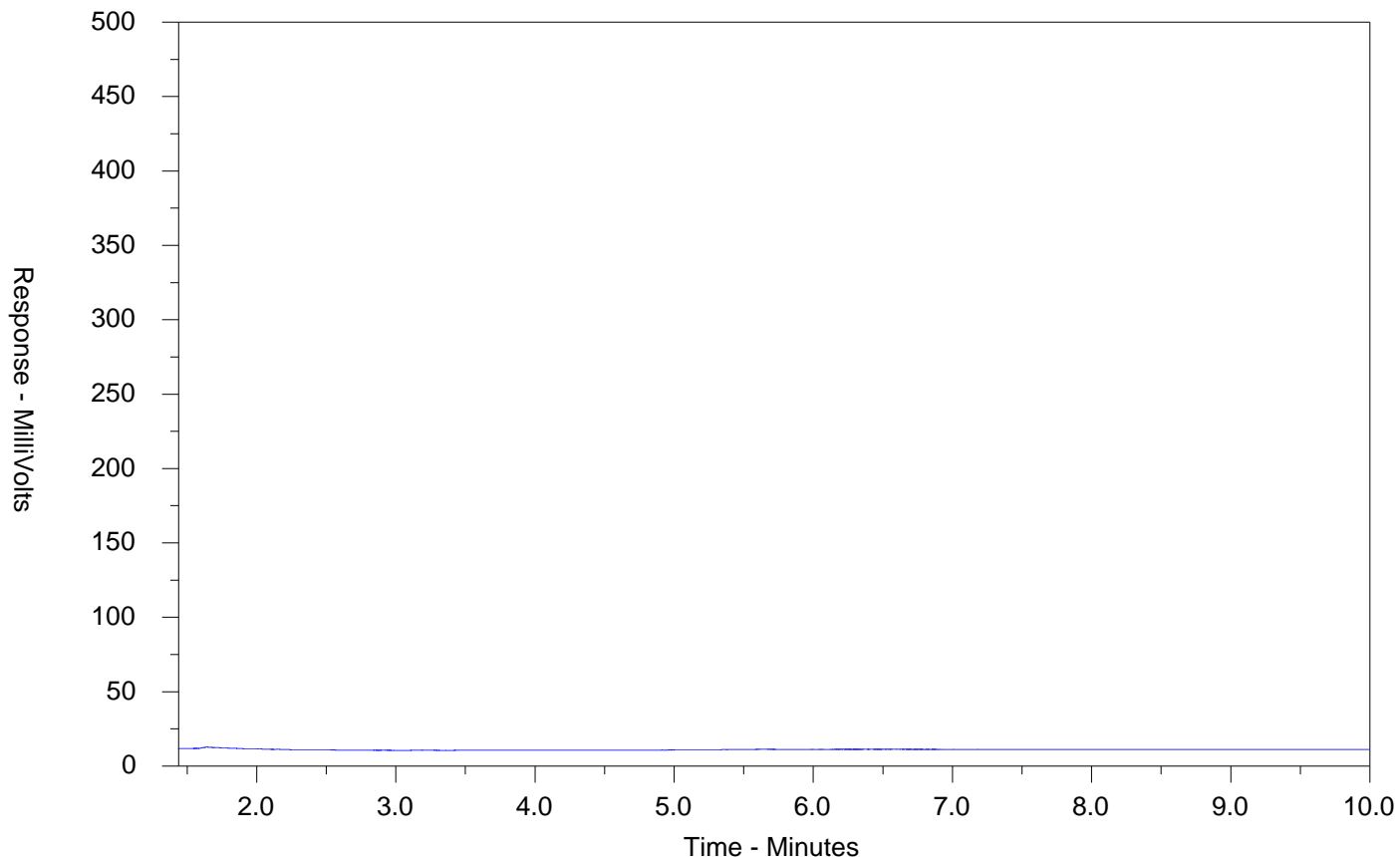
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-002-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH12-22



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

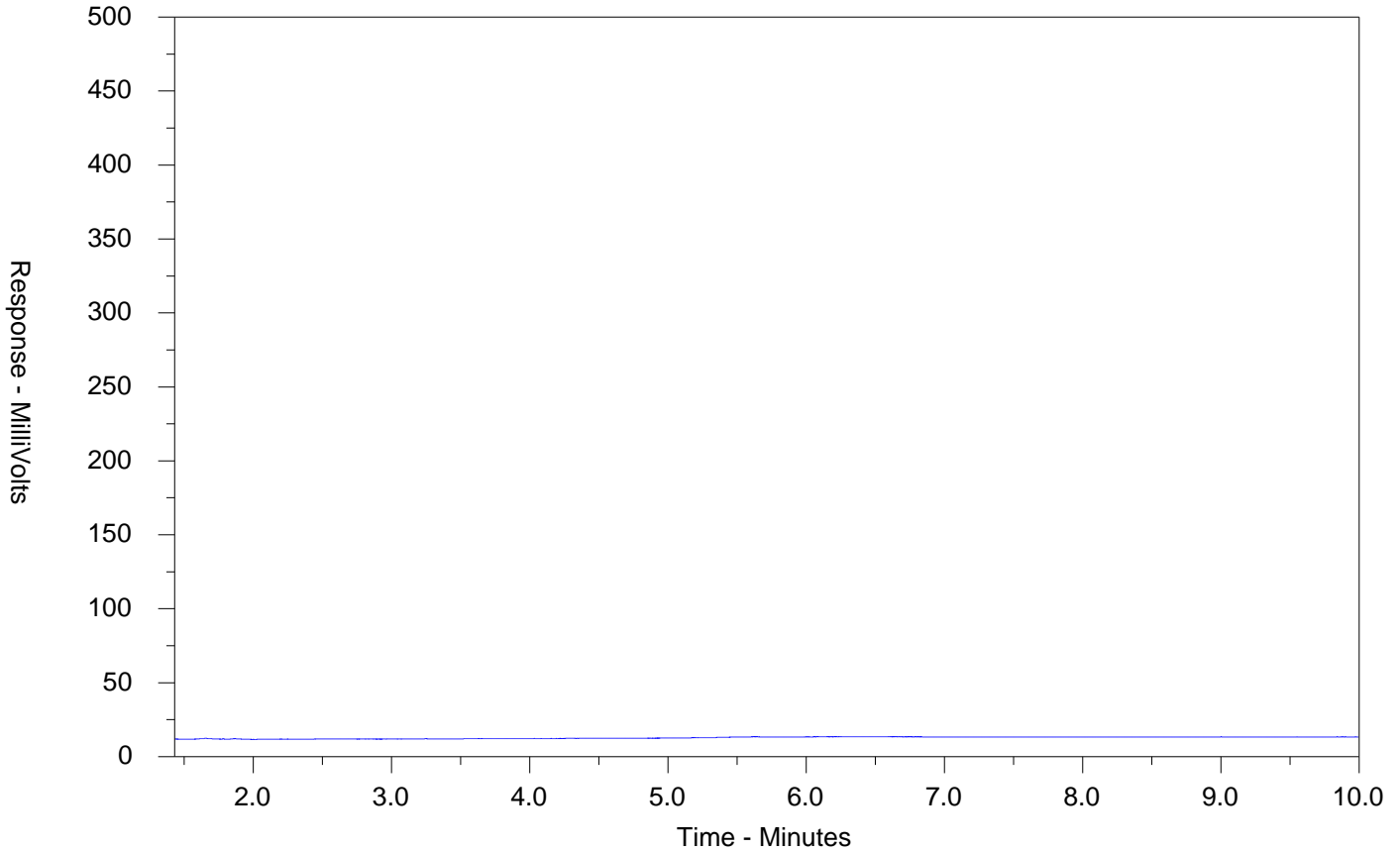
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-003-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH01-22



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

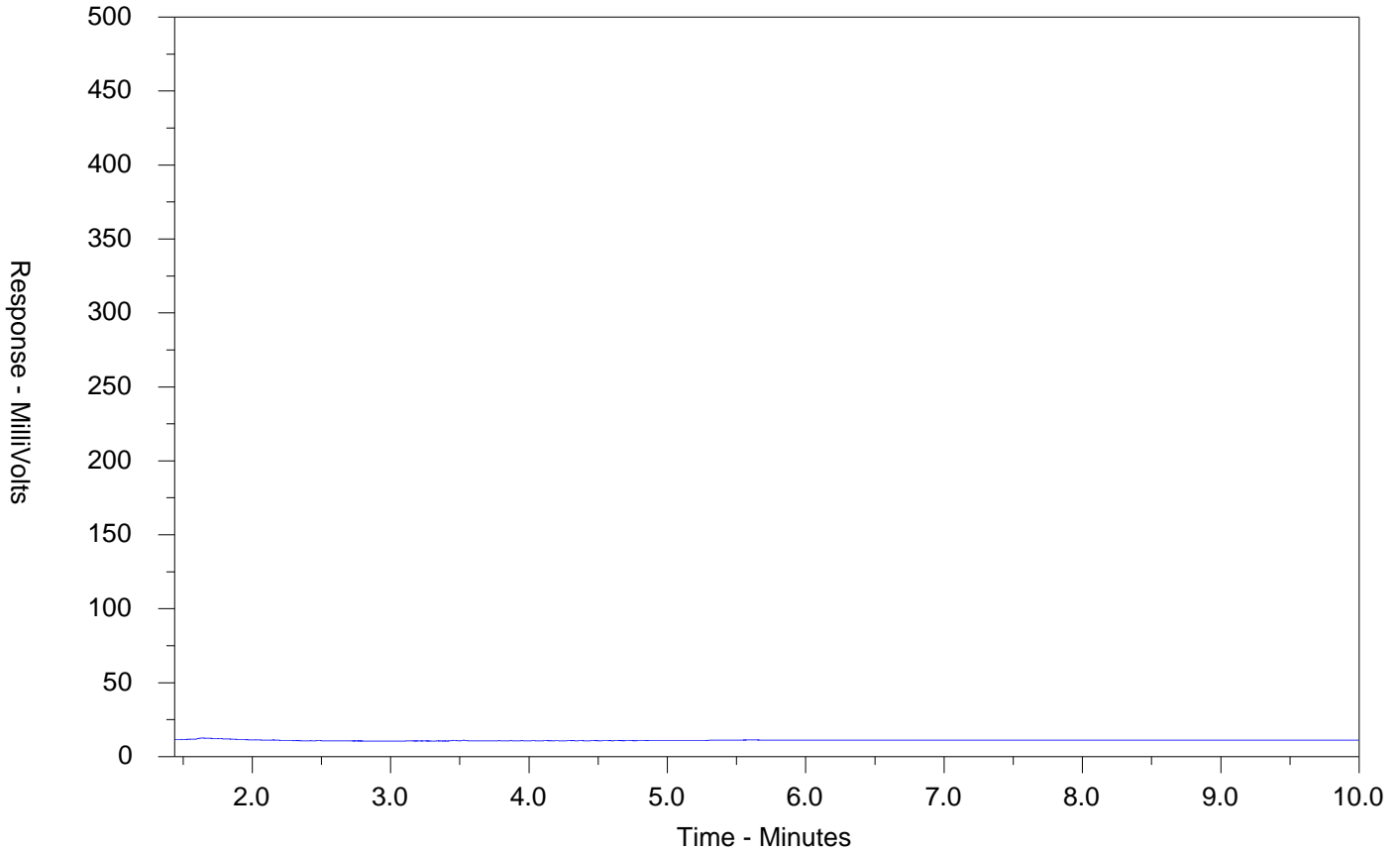
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-004-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH11-22



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

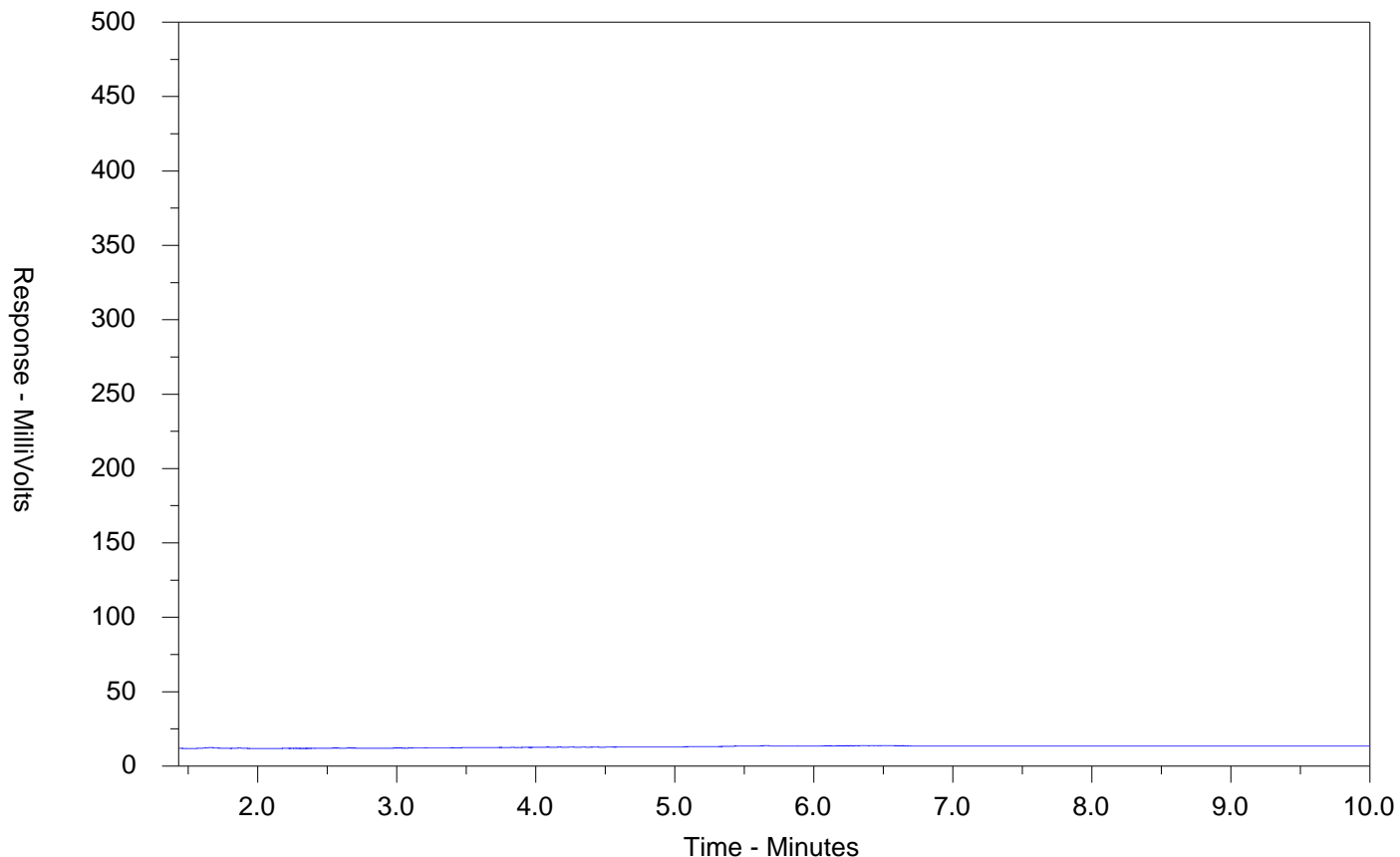
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-005-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH03-22



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

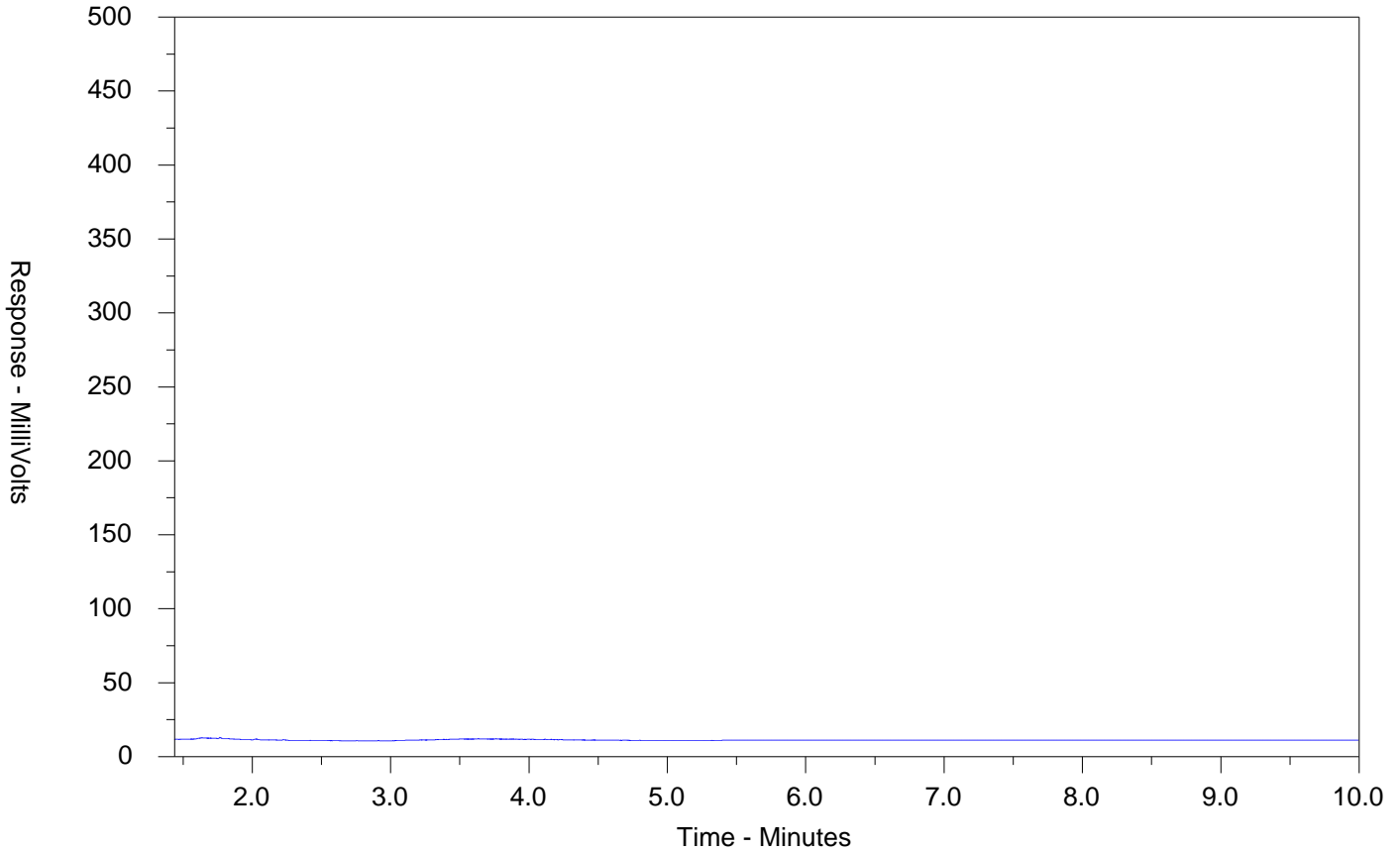
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-006-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH3-23



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

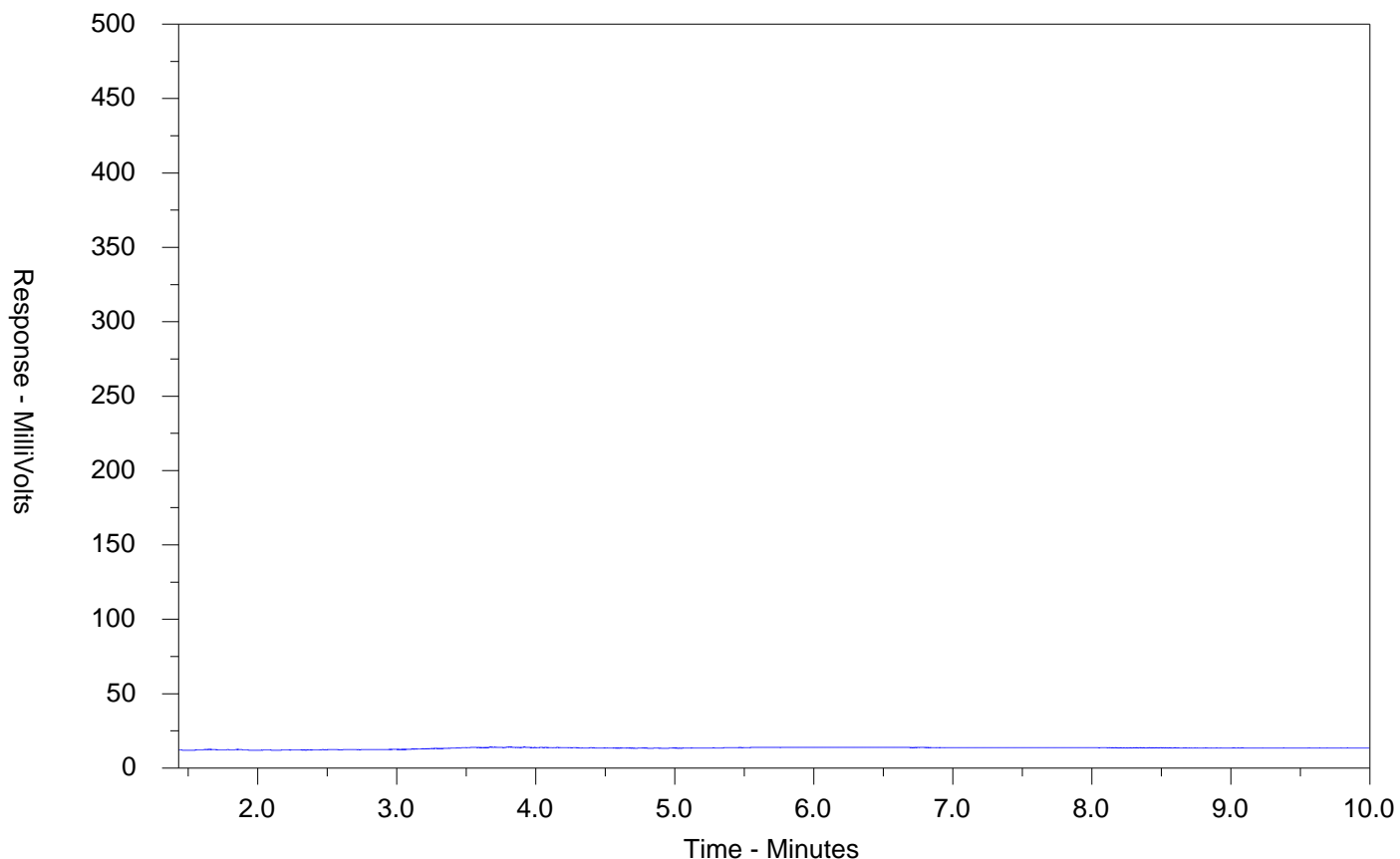
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-007-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-DUP



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

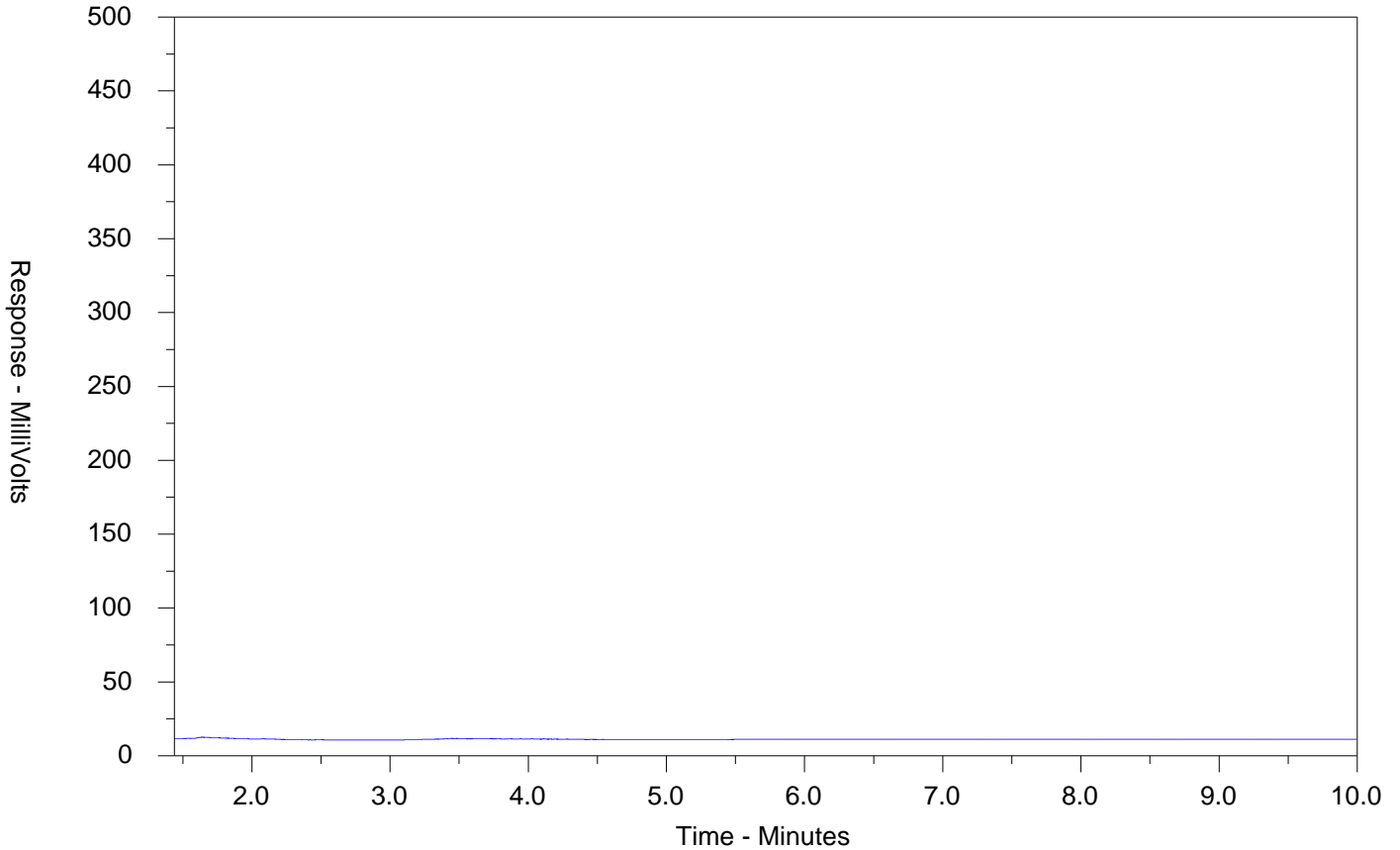
Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-008-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH4-23



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

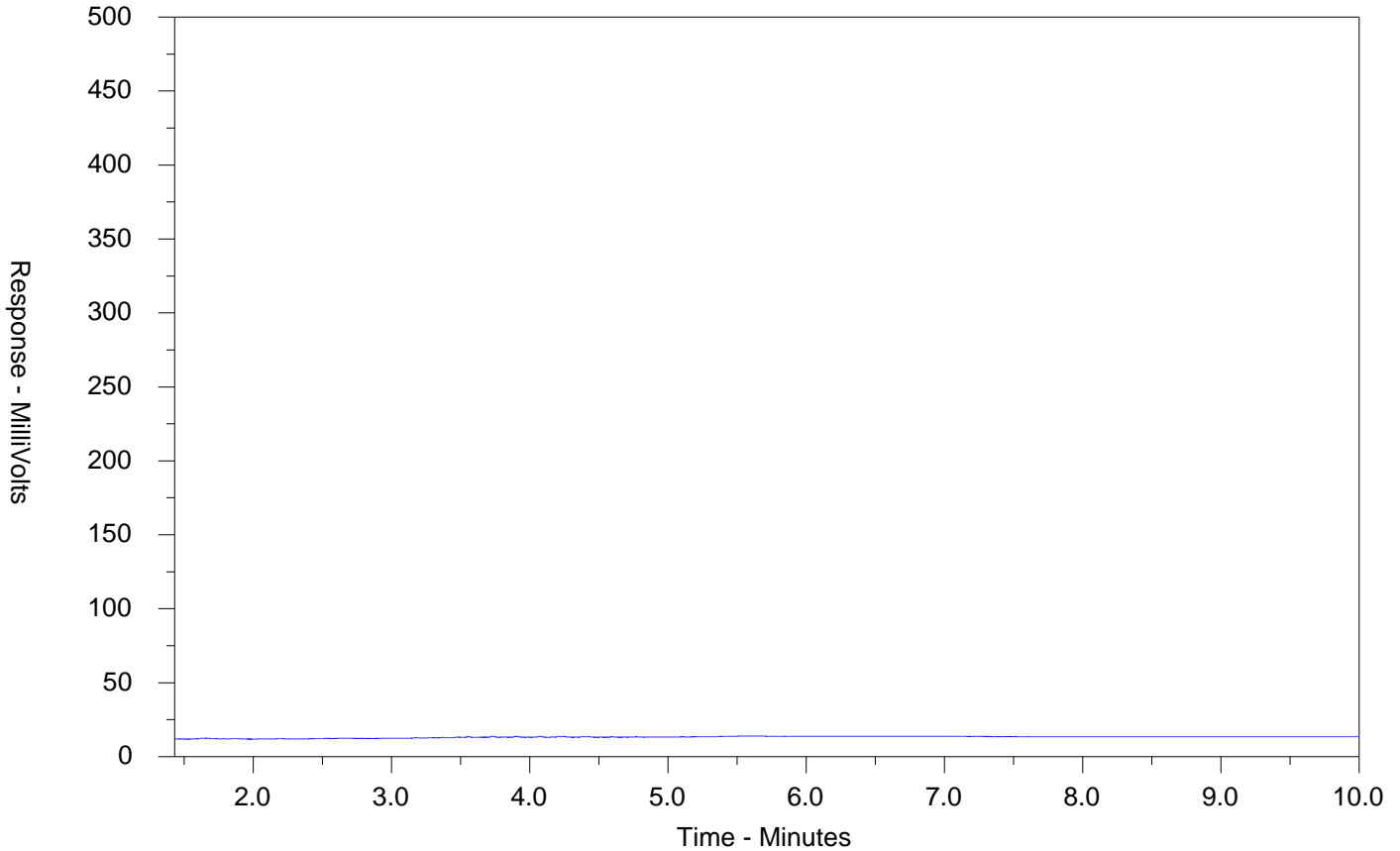
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-009-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH06-22



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50		
174°C	287°C	481°C	575°C		
346°F	549°F	898°F	1067°F		
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

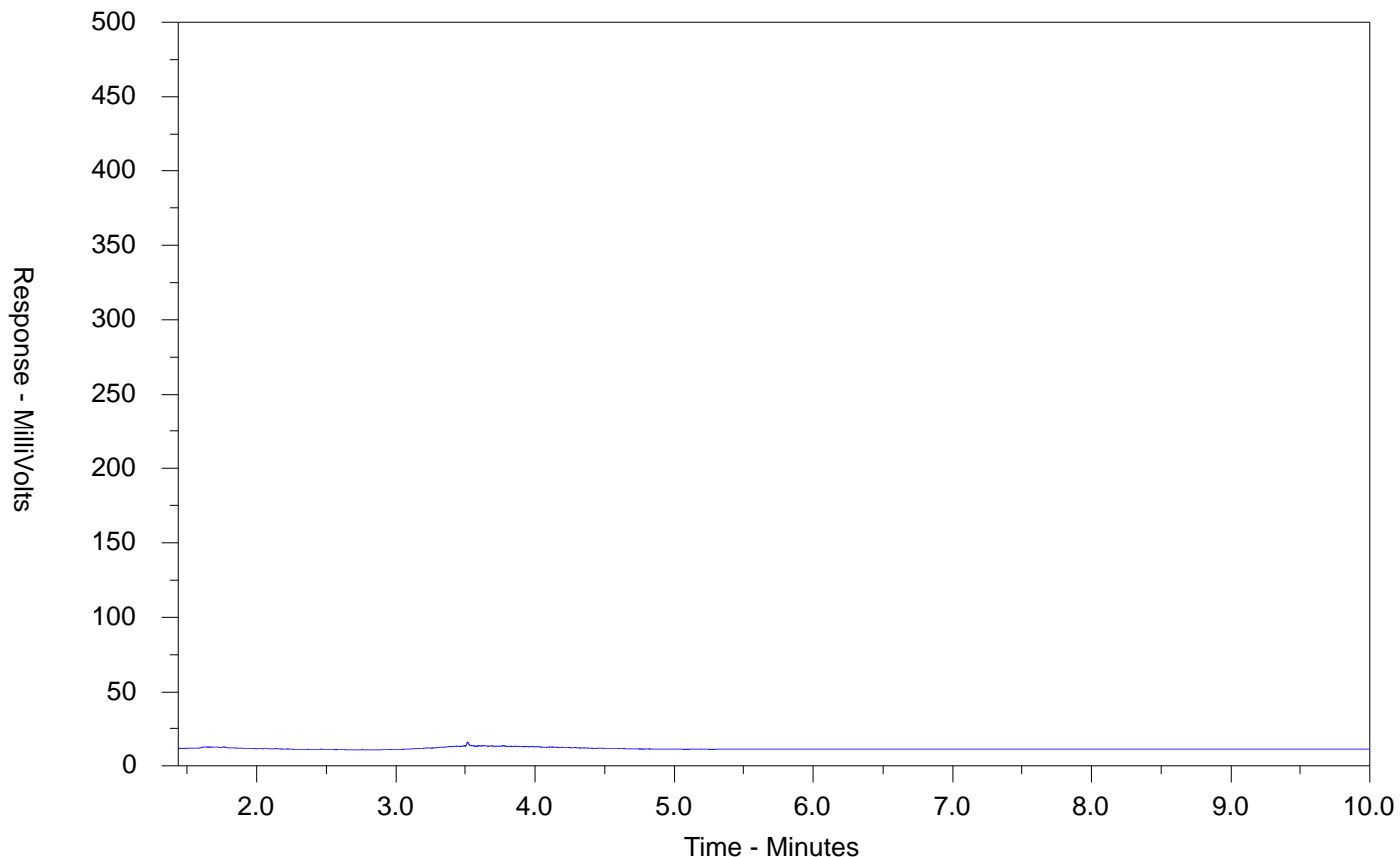
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2311250-010-E601.SG  
 Client Sample ID: GW-12606873-270423-DA-BH6-23



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).





www.alsglobal.com

VW-020  
OR-528  
mm-884  
GC-761

SC-299  
CN-027

# Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 20 -

Page |

Environmental Division  
Waterloo  
Work Order Reference  
**WT2311250**



Telephone: +1 519 886 6910

<b>Report To</b> Contact and company name below will appear on the final report		<b>Reports / Recipients</b>			<b>Turnaround Time (TAT) Requested</b>																																																									
Company: GHD Ltd. (Acct GHDL100)		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> EDD (DIGITAL)			<input checked="" type="checkbox"/> Routine [R] if received by 3pm M-F - no surcharges apply <input type="checkbox"/> 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum <input type="checkbox"/> 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum <input type="checkbox"/> 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum <input type="checkbox"/> 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum <input type="checkbox"/> Same day [E2] if received by 10am M-S - 200% rush surcharge. Add fees may apply to rush requests on weekends, statutory holidays and n routine tests																																																									
Contact: Pascal Renella		Merge QC/QCI Reports with COA <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A																																																												
Phone: 519-884-0510		Compare Results to Criteria on Report - provide details below if box checked																																																												
Company address below will appear on the final report		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX																																																												
Street: 455 Phillip St.		Email 1 or Fax: pascal.renella@ghd.com																																																												
City/Province: Waterloo, ON		Email 2: See SSOW/PO																																																												
Postal Code: N2L 3X2		Email 3:			Date and Time Required for all E&P TATs:																																																									
<b>Invoice To</b>		<b>Invoice Recipients</b>			For tests that can not be performed according to the TAT requested, you will be contacted.																																																									
Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			<b>Analysis Request</b>																																																									
Copy of Invoice with Report <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Email 1 or Fax: accountspayableCDN@ghd.com			<table border="1"> <tr> <td rowspan="4">NUMBER OF CONTAINERS</td> <td rowspan="4">Metals and Inorganics</td> <td rowspan="4">VOC/PHC F1,F4 and PAHs</td> <td rowspan="4">VOC, F1 - Trip Blank</td> <td colspan="11">Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below</td> <td rowspan="4">SAMPLES ON HOLD</td> <td rowspan="4">EXTENDED STORAGE REQUIRED</td> <td rowspan="4">SUSPECTED HAZARD (see notes)</td> </tr> <tr> <td colspan="11"></td> </tr> <tr> <td colspan="11"></td> </tr> <tr> <td colspan="11"></td> </tr> </table>							NUMBER OF CONTAINERS	Metals and Inorganics	VOC/PHC F1,F4 and PAHs	VOC, F1 - Trip Blank	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below											SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)																																	
NUMBER OF CONTAINERS	Metals and Inorganics	VOC/PHC F1,F4 and PAHs	VOC, F1 - Trip Blank	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below												SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)																																												
Company: GHD Ltd. (GHDL100)		Email 2:																																																												
Contact:																																																														
<b>Project Information</b>		<b>Oil and Gas Required Fields (client use)</b>																																																												
ALS Account # / Quote #: WT2023GHDL1000077		AFE/Cost Center: PO#																																																												
Job #: 12606873-003.02		Major/Minor Code: Routing Code:																																																												
PO / AFE:		Requisitioner:																																																												
LSD:		Location:																																																												
ALS Lab Work Order # (lab use only): WT2311250 FH		ALS Contact: Rick H			Sampler:																																																									
<b>ALS Sample # (lab use only)</b>		<b>Sample Identification and/or Coordinates (This description will appear on the report)</b>			<b>Date (dd-mmm-yy)</b>		<b>Time (hh:mm)</b>		<b>Sample Type</b>																																																					
GW-12606873-270423-DA-BH02-22					27-04-23		09:30		Water		9 X X																																																			
GW-12606873-270423-DA-BH12-22							10:20		Water		9 X X																																																			
GW-12606873-270423-DA-BH01-22							12:25		Water		9 X X																																																			
GW-12606873-270423-DA-BH11-22							13:45		Water		9 X X																																																			
GW-12606873-270423-DA-BH03-22							14:40		Water		9 X X																																																			
GW-12606873-270423-DA-BH3-23							15:40		Water		9 X X																																																			
GW-12606873-270423-DA-DUP							15:55		Water		9 X X																																																			
GW-12606873-270423-DA-BH4-23							17:10		Water		9 X X																																																			
GW-12606873-270423-DA-BH06-22							18:10		Water		9 X X																																																			
GW-12606873-270423-DA-BH6-23							19:00		Water		9 X X																																																			
Trip Blank		VA							Water		X X																																																			
<b>Drinking Water (DW) Samples<sup>1</sup> (client use)</b>		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)			<b>SAMPLE RECEIPT DETAILS (lab use only)</b>																																																									
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		2 coolers submitted, Trip Blank not provided.			Cooling Method: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> ICE <input type="checkbox"/> ICE PACKS <input type="checkbox"/> FROZEN <input type="checkbox"/> COOLING INITIATED																																																									
Are samples for human consumption/ use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Submission Comments identified on Sample Receipt Notification: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																																																									
					Cooler Custody Seals Intact: <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A Sample Custody Seals Intact: <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A																																																									
					INITIAL COOLER TEMPERATURES °C: 5.3°C FINAL COOLER TEMPERATURES °C: 10.1																																																									
<b>SHIPMENT RELEASE (client use)</b>		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b>			<b>FINAL SHIPMENT RECEPTION (lab use only)</b>																																																									
Released by: Dathan Ash		Received by: Eric Debbins			Received by: A																																																									
Date: April 27, 2023		Date: 28/04/23			Date: MAY-23																																																									
Time: 20:10		Time: 8:25			Time: 9:00																																																									

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION  
 FAILURE TO COMPLETE ALL PORTIONS OF THIS FORM MAY DELAY ANALYSIS. PLEASE FILL IN THIS FORM LEGIBLY. BY THE USE OF THIS FORM THE USER ACKNOWLEDGES AND AGREES WITH THE TERMS AND CONDITIONS AS SPECIFIED ON THE BACK PAGE OF THE WHITE - REPORT COPY.  
 1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

# **Attachment 2**

**Data Quality Assessment and  
Verification**

# Technical Memorandum

May 12, 2023

<b>To</b>	Joseph Drader	<b>Tel</b>	514-339-0152
<b>Copy to</b>	Rehoboth Mubedi	<b>Email</b>	alexandre.lemire@ghd.com
<b>From</b>	Alexandre Lemire/an/01	<b>Ref. No.</b>	12606873-003.02
<b>Subject</b>	Data Quality Assessment and Verification Groundwater Sampling 570 March Road, Kanata First Gulf Corp		

<b>Laboratory:</b>	ALS Canada Ltd.				
<b>Lab Job No.:</b>	WT2311250				
<b>Date(s) Sampled:</b>	April 2023				
<b>Media Sampled:</b>	Groundwater				
<b>QA/QC</b>	<b>Criteria</b>	<b>Pass</b>	<b>Qualifiers</b>	<b>Fail</b>	<b>N/A</b>
<b>Holding Times</b>	Analyte specific	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Temperature</b>	<10°C at receipt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sample Preservation</b>	Required container/preservatives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Field Duplicate (blind)</b>	Within 50%/<1xRL (water)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Field Blank (blind)</b>	Non detect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Trip Blank</b>	Non detect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Lab QA/QC</b>	Within standard recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Conclusion:**

Based on the assessment detailed in the foregoing, the data summarized are acceptable without qualification.

**Notes:**

N/A - Not Applicable

QA/QC - Quality Assurance/Quality Control

**Data verification reference documents:**

- "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, September 2016.
- "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, September 2016.

3. "British Columbia Environmental Laboratory Manual", Analysis, Reporting & Knowledge Services Knowledge Management Branch Ministry of Environment and Climate Change Strategy Province of British Columbia, April 2020.
4. "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act", Laboratory Services Branch, Ministry of the Environment, March 9, 2004, amended as of July 1, 2011.

Regards



**Alexandre Lemire**  
Project chemist



# **Appendix C**

**ERIS Database Search Report**



---

# DATABASE REPORT

**Project Property:** *Nokia Kanata Campus  
520 & 570 March Road  
Ottawa ON K2K 2M5*

**Project No:** *12646241*

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order No:** *24070500123*

**Requested by:** *GHD Limited*

**Date Completed:** *August 9, 2024*

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# Executive Summary

## **Property Information:**

**Project Property:** *Nokia Kanata Campus  
520 & 570 March Road Ottawa ON K2K 2M5*

**Project No:** 12646241

## **Order Information:**

**Order No:** 24070500123  
**Date Requested:** July 5, 2024  
**Requested by:** GHD Limited  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

**ERIS Xplorer** [ERIS Xplorer](#)

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	2	2
CA	<i>Certificates of Approval</i>	Y	0	20	20
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	3	3
EBR	<i>Environmental Registry</i>	Y	0	6	6
ECA	<i>Environmental Compliance Approval</i>	Y	0	24	24
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	30	30
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	135	135
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory 1993-2020</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	3	3
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	57	57
SPL	<i>Ontario Spills</i>	Y	0	4	4
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	2	20	22

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
		<b>Total:</b>	2	305	307



## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	WWIS		ON  <i>Well ID:</i> 7411887	SE/0.0	-1.00	<a href="#">64</a>
<a href="#">2</a>	WWIS		ON  <i>Well ID:</i> 7418702	SSE/0.0	-1.00	<a href="#">64</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">3</a>	EHS		600 March Road Kanata ON K2K 2T6	NW/19.7	-1.03	<a href="#">65</a>
<a href="#">4</a>	WWIS		lot 9 con 3 ON <b>Well ID:</b> 1503345	W/50.0	1.97	<a href="#">66</a>
<a href="#">5</a>	ECA	Legget Drive Development Inc.	500 March Rd Ottawa ON K1P 6E2	SE/61.8	-1.69	<a href="#">68</a>
<a href="#">5</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/61.8	-1.69	<a href="#">68</a>
<a href="#">5</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/61.8	-1.69	<a href="#">69</a>
<a href="#">5</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/61.8	-1.69	<a href="#">70</a>
<a href="#">5</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/61.8	-1.69	<a href="#">71</a>
<a href="#">5</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/61.8	-1.69	<a href="#">73</a>
<a href="#">5</a>	GEN	Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	SE/61.8	-1.69	<a href="#">74</a>
<a href="#">6</a>	EHS		510-528 March Road Kanata ON	SE/63.3	-2.00	<a href="#">75</a>
<a href="#">6</a>	EHS		528 March Road Ottawa ON	SE/63.3	-2.00	<a href="#">75</a>
<a href="#">6</a>	EASR	SCI BROCKVILLE CORP.	528 MARCH KANATA ON	SE/63.3	-2.00	<a href="#">75</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#"><u>6</u></a>	EASR	SCI BROCKVILLE CORP.	528 MARCH RD KANATA ON K2K 2M5	SE/63.3	-2.00	<a href="#"><u>76</u></a>
<a href="#"><u>7</u></a>	EHS		535 Legget Drive Kanata ON K2K 3B8	NNE/64.0	-2.27	<a href="#"><u>76</u></a>
<a href="#"><u>7</u></a>	CA	Nortel Networks Corporation	535 Legget Drive Ottawa ON	NNE/64.0	-2.27	<a href="#"><u>76</u></a>
<a href="#"><u>7</u></a>	CA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON	NNE/64.0	-2.27	<a href="#"><u>76</u></a>
<a href="#"><u>7</u></a>	SCT	Mead Johnson Nutritionals	535 Legget Dr Unit 900 Kanata ON K2K 3B8	NNE/64.0	-2.27	<a href="#"><u>77</u></a>
<a href="#"><u>7</u></a>	SCT	PIKA Technologies Inc.	535 Legget Dr Suite 400 Kanata ON K2K 3B8	NNE/64.0	-2.27	<a href="#"><u>77</u></a>
<a href="#"><u>7</u></a>	SCT	Solace Systems Inc.	535 Legget Dr Floor 3 Kanata ON K2K 3B8	NNE/64.0	-2.27	<a href="#"><u>77</u></a>
<a href="#"><u>7</u></a>	NPRI	KANATA RESEARCH PARK	535 LEGGET Drive KANATA ON K2K3B8	NNE/64.0	-2.27	<a href="#"><u>78</u></a>
<a href="#"><u>7</u></a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	NNE/64.0	-2.27	<a href="#"><u>80</u></a>
<a href="#"><u>7</u></a>	ECA	Nortel Networks Corporation	535 Legget Drive Ottawa ON K2H 8E9	NNE/64.0	-2.27	<a href="#"><u>80</u></a>
<a href="#"><u>7</u></a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	NNE/64.0	-2.27	<a href="#"><u>81</u></a>
<a href="#"><u>7</u></a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	NNE/64.0	-2.27	<a href="#"><u>81</u></a>
<a href="#"><u>7</u></a>	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	NNE/64.0	-2.27	<a href="#"><u>81</u></a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">7</a>	GEN	Intel of Canada, Ltd.	535 Legget Drive Suite 206 Kanata ON K2K 3B8	NNE/64.0	-2.27	<a href="#">82</a>
<a href="#">7</a>	GEN	Mead Johnson Nutrition (Canada) Co.	900-535 Legget Drive Kanata ON K2K3B8	NNE/64.0	-2.27	<a href="#">82</a>
<a href="#">7</a>	EHS		535 Legget Drive Kanata ON K2K 3B8	NNE/64.0	-2.27	<a href="#">82</a>
<a href="#">7</a>	EHS		PE5413 - 535 Legget Drive Kanata ON K2K 2W2	NNE/64.0	-2.27	<a href="#">83</a>
<a href="#">8</a>	SCT	CAPRICORN DATA	525 MARCH RD RR 33 KANATA ON K2K 2M5	W/77.7	1.92	<a href="#">83</a>
<a href="#">8</a>	SCT	Capricorn Data Inc.	525 March Rd Kanata ON K2K 2M5	W/77.7	1.92	<a href="#">83</a>
<a href="#">9</a>	ECA	Kanata Research Park Corporation	Kanata Research Park Kanata ON K2K 2X3	NNE/79.7	-2.62	<a href="#">83</a>
<a href="#">10</a>	SCT	Texas Instruments Canada Ltd.	505 March Rd Suite 200 Ottawa ON K2K 3A4	SSW/95.1	1.00	<a href="#">84</a>
<a href="#">10</a>	EHS		505 March Road Ottawa ON	SSW/95.1	1.00	<a href="#">84</a>
<a href="#">10</a>	SCT	Texas Instruments Canada Ltd.	505 March Rd Suite 200 Kanata ON K2K 3A4	SSW/95.1	1.00	<a href="#">84</a>
<a href="#">10</a>	SCT	Telus Health Solutions Inc.	505 March Rd Suite 450 Kanata ON K2K 3A4	SSW/95.1	1.00	<a href="#">84</a>
<a href="#">10</a>	SPL	Colonnade Management<UNOFFICIAL>	505 March Road Ottawa ON K2K 3A4	SSW/95.1	1.00	<a href="#">85</a>
<a href="#">11</a>	WWIS		lot 9 con 3 ON	W/96.5	3.00	<a href="#">85</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 1503344			
<a href="#">12</a>	SCT	Trend Micro, Inc.	40 Hines Rd Suite 200 Kanata ON K2K 2M5	S/100.4	-1.08	<a href="#">88</a>
<a href="#">12</a>	GEN	KRP Properties	40 Hines Road Ottawa ON K2K 2M5	S/100.4	-1.08	<a href="#">88</a>
<a href="#">13</a>	SCT	Open Text Corporation	515 Legget Dr Suite 300 Kanata ON K2K 3G4	ENE/115.5	-3.14	<a href="#">89</a>
<a href="#">13</a>	SCT	Ubiquity Software Corp.	515 Legget Dr Suite 400 Ottawa ON K2K 3G4	ENE/115.5	-3.14	<a href="#">89</a>
<a href="#">13</a>	SPL	Kanata Research Park Corporation	515 Legget drive Ottawa ON	ENE/115.5	-3.14	<a href="#">89</a>
<a href="#">13</a>	CA	Kanata Research Park Corporation	515 Legget Drive Ottawa ON	ENE/115.5	-3.14	<a href="#">90</a>
<a href="#">13</a>	SCT	Quest Software Canada Inc.	515 Legget Dr Suite 1001 Kanata ON K2K 3G4	ENE/115.5	-3.14	<a href="#">90</a>
<a href="#">13</a>	HINC		515 LEGGET DRIVE KANATA ON	ENE/115.5	-3.14	<a href="#">90</a>
<a href="#">13</a>	EHS		515 Legget Drive Ottawa ON	ENE/115.5	-3.14	<a href="#">91</a>
<a href="#">13</a>	NPRI	KANATA RESEARCH PARK	515 LEGGET Drive KANATA ON K2K3G4	ENE/115.5	-3.14	<a href="#">91</a>
<a href="#">13</a>	EHS		515 Legget Dr Ottawa ON K2K3G4	ENE/115.5	-3.14	<a href="#">93</a>
<a href="#">13</a>	ECA	Kanata Research Park Corporation	515 Legget Drive Ottawa ON K2K 2X3	ENE/115.5	-3.14	<a href="#">94</a>
<a href="#">13</a>	GEN	Broccolini Construction Ottawa Inc.	515 Legget Drive Ottawa ON K2K 3G4	ENE/115.5	-3.14	<a href="#">94</a>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">14</a>	EHS		80 Hines Road n/a ON K2K 2T8	WSW/123.6	2.72	<a href="#">94</a>
<a href="#">14</a>	GEN	AMCC	80 Hines Rd. Kanata ON K2K 2T8	WSW/123.6	2.72	<a href="#">94</a>
<a href="#">15</a>	SCT	ROHDE & SCHWARZ CANADA	555 MARCH RD KANATA ON K2K 2M5	W/129.8	3.04	<a href="#">95</a>
<a href="#">15</a>	SCT	TEKTRONIX CANADA INC.	555 MARCH RD KANATA ON K2K 2M5	W/129.8	3.04	<a href="#">95</a>
<a href="#">15</a>	SCT	Rohde & Schwarz Canada Inc.	555 March Rd Kanata ON K2K 2M5	W/129.8	3.04	<a href="#">95</a>
<a href="#">15</a>	SCT	Locality	555 March Rd Kanata ON K2K 2M5	W/129.8	3.04	<a href="#">96</a>
<a href="#">15</a>	SCT	Local City Inc.	555 March Rd Kanata ON K2K 2M5	W/129.8	3.04	<a href="#">96</a>
<a href="#">15</a>	SCT	ASAP-CD Solutions	555 March Rd Ottawa ON K2K 2M5	W/129.8	3.04	<a href="#">96</a>
<a href="#">15</a>	EHS		555 March Road Ottawa (Kanata) ON	W/129.8	3.04	<a href="#">97</a>
<a href="#">16</a>	BORE		ON	W/131.2	3.04	<a href="#">97</a>
<a href="#">17</a>	SCT	NOKIA IP TELEPHONY CORPORATION	555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	N/134.8	-1.94	<a href="#">98</a>
<a href="#">17</a>	SCT	NOKIA	555 Legget Dr Suite 400 Kanata ON K2K 2X3	N/134.8	-1.94	<a href="#">98</a>
<a href="#">17</a>	SCT	March Networks	555 Legget Dr Suite 140 Kanata ON K2K 2X3	N/134.8	-1.94	<a href="#">99</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">17</a>	GEN	TELEXIS CORPORATION	555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	N/134.8	-1.94	<a href="#">99</a>
<a href="#">17</a>	GEN	PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	N/134.8	-1.94	<a href="#">100</a>
<a href="#">17</a>	GEN	PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	N/134.8	-1.94	<a href="#">100</a>
<a href="#">17</a>	SCT	March Networks Corporation	555 Legget Dr Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">100</a>
<a href="#">17</a>	SCT	March Networks Corporation	555 Legget Dr Suite 530 Kanata ON K2K 2X3	N/134.8	-1.94	<a href="#">101</a>
<a href="#">17</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">101</a>
<a href="#">17</a>	SCT	Redirack Storage Systems	555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">102</a>
<a href="#">17</a>	GEN	March Networks	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">103</a>
<a href="#">17</a>	CA	Kanata Research Park Corporation	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">103</a>
<a href="#">17</a>	SCT	Netistix Technologies Corp	555 Legget Dr Suite 304 Kanata ON K2K 2X3	N/134.8	-1.94	<a href="#">103</a>
<a href="#">17</a>	SCT	Sch Specialty Literacy/Interve	555 Legget Dr Suite 900 Kanata ON K2K 2X3	N/134.8	-1.94	<a href="#">104</a>
<a href="#">17</a>	SCT	Redirack Storage Systems	555 Legget Dr Suite 1007 Kanata ON K2K 2X3	N/134.8	-1.94	<a href="#">104</a>
<a href="#">17</a>	SCT	Mediphan Inc.	555 Legget Dr Suite 305 Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">105</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">17</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">105</a>
<a href="#">17</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">106</a>
<a href="#">17</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">107</a>
<a href="#">17</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">107</a>
<a href="#">17</a>	NPRI	KANATA RESEARCH PARK	555 LEGGET Drive KANATA ON K2K2X3	N/134.8	-1.94	<a href="#">108</a>
<a href="#">17</a>	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	N/134.8	-1.94	<a href="#">111</a>
<a href="#">17</a>	EHS		555 Legget Dr Ottawa ON K2K2X3	N/134.8	-1.94	<a href="#">111</a>
<a href="#">17</a>	EHS		555 Legget Dr Ottawa ON K2K2X3	N/134.8	-1.94	<a href="#">112</a>
<a href="#">17</a>	ECA	Kanata Research Park Corporation	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">112</a>
<a href="#">17</a>	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">112</a>
<a href="#">17</a>	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">113</a>
<a href="#">17</a>	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">114</a>
<a href="#">17</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">115</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">17</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">116</a>
<a href="#">17</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">117</a>
<a href="#">17</a>	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	N/134.8	-1.94	<a href="#">118</a>
<a href="#">17</a>	EHS		555 Legget Drive Kanata ON K2K 3B8	N/134.8	-1.94	<a href="#">119</a>
<a href="#">17</a>	EHS		555 Legget Drive Kanata ON K2K 3B8	N/134.8	-1.94	<a href="#">119</a>
<a href="#">18</a>	WWIS		lot 9 con 3 ON <b>Well ID:</b> 1510215	WNW/136.0	2.25	<a href="#">119</a>
<a href="#">19</a>	SCT	NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2E6	NNW/141.1	-1.98	<a href="#">122</a>
<a href="#">19</a>	SCT	NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2T6	NNW/141.1	-1.98	<a href="#">123</a>
<a href="#">19</a>	SCT	Alcatel Canada Inc.	600 March Rd Kanata ON K2K 2T6	NNW/141.1	-1.98	<a href="#">123</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 MARCH ROAD KANATA ON K2K 2E6	NNW/141.1	-1.98	<a href="#">123</a>
<a href="#">19</a>	SCT	Alcatel-Lucent Canada Inc.	600 March Rd Kanata ON K2K 2T6	NNW/141.1	-1.98	<a href="#">124</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NNW/141.1	-1.98	<a href="#">124</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NNW/141.1	-1.98	<a href="#">125</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NNW/141.1	-1.98	<a href="#">125</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	NNW/141.1	-1.98	<a href="#">126</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON	NNW/141.1	-1.98	<a href="#">126</a>
<a href="#">19</a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">127</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">128</a>
<a href="#">19</a>	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">128</a>
<a href="#">19</a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">129</a>
<a href="#">19</a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">130</a>
<a href="#">19</a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">131</a>
<a href="#">19</a>	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	NNW/141.1	-1.98	<a href="#">132</a>
<a href="#">19</a>	WWIS		600 March Road lot 8 con 4 Kanata ON <b>Well ID:</b> 7444461	NNW/141.1	-1.98	<a href="#">133</a>
<a href="#">19</a>	WWIS		600 March Road lot 8 con 4 Kanata ON <b>Well ID:</b> 7444459	NNW/141.1	-1.98	<a href="#">136</a>
<a href="#">19</a>	WWIS		600 March Road lot 8 con 4 Kanata ON	NNW/141.1	-1.98	<a href="#">139</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 7444460			
<a href="#">20</a>	GEN	MILLER'S QUALITY DRY CLEANERS	591 MARCH ROAD KANATA ON K2K 2M5	WNW/146.7	2.25	<a href="#">142</a>
<a href="#">20</a>	EHS		591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">142</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">143</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">143</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">144</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">144</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON	WNW/146.7	2.25	<a href="#">144</a>
<a href="#">20</a>	EHS		591 March Rd Ottawa ON K2K2M5	WNW/146.7	2.25	<a href="#">145</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">145</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">146</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">146</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">146</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">147</a>

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<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">147</a>
<a href="#">20</a>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	WNW/146.7	2.25	<a href="#">148</a>
<a href="#">21</a>	ECA	D.I.R. Investments Inc.	Ottawa ON K0A 1A0	W/148.6	3.86	<a href="#">148</a>
<a href="#">22</a>	SCT	EXCALIBUR SYSTEMS LTD.	50 Hines Rd Kanata ON K2K 2M5	SW/161.0	1.00	<a href="#">149</a>
<a href="#">22</a>	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	SW/161.0	1.00	<a href="#">149</a>
<a href="#">22</a>	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	SW/161.0	1.00	<a href="#">149</a>
<a href="#">22</a>	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	SW/161.0	1.00	<a href="#">150</a>
<a href="#">22</a>	SCT	DRS EW & Network Systems	50 Hines Rd Kanata ON K2K 2M5	SW/161.0	1.00	<a href="#">150</a>
<a href="#">22</a>	SCT	WorkDynamics Technologies	50 Hines Rd Suite 220 Kanata ON K2K 2M5	SW/161.0	1.00	<a href="#">150</a>
<a href="#">22</a>	EBR	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	SW/161.0	1.00	<a href="#">151</a>
<a href="#">22</a>	SCT	Power Integrations Canada Inc.	50 Hines Rd Suite 240 Kanata ON K2K 2M5	SW/161.0	1.00	<a href="#">151</a>
<a href="#">22</a>	SCT	OneChip Photonics Inc.	50 Hines Rd Suite 200 Kanata ON K2K 2M5	SW/161.0	1.00	<a href="#">151</a>
<a href="#">22</a>	EBR	Cyrium Technologies Incorporated	50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA	SW/161.0	1.00	<a href="#">151</a>

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			ON			
<a href="#">22</a>	CA	Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	SW/161.0	1.00	<a href="#">152</a>
<a href="#">22</a>	CA	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON	SW/161.0	1.00	<a href="#">152</a>
<a href="#">22</a>	SCT	Merge Healthcare Incorporated	50 Hines Rd Suite 120 Kanata ON K2K 2M5	SW/161.0	1.00	<a href="#">153</a>
<a href="#">22</a>	GEN	GaN Systems Inc.	50 Hines road, suite 204 Ottawa ON	SW/161.0	1.00	<a href="#">153</a>
<a href="#">22</a>	ECA	Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	SW/161.0	1.00	<a href="#">153</a>
<a href="#">22</a>	ECA	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON K2K 2M5	SW/161.0	1.00	<a href="#">154</a>
<a href="#">23</a>	CA	WILLIAM S. BURNSIDE (CANADA) LIMITED	88 HINES ROAD (SWM) KANATA ON K2K 2T8	WSW/172.5	4.00	<a href="#">154</a>
<a href="#">23</a>	SCT	Flexus Electronics Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	WSW/172.5	4.00	<a href="#">154</a>
<a href="#">23</a>	SCT	Flexus Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	WSW/172.5	4.00	<a href="#">154</a>
<a href="#">23</a>	GEN	Telemus Inc.	88 Hines Road Ottawa ON K2K 2T8	WSW/172.5	4.00	<a href="#">155</a>
<a href="#">23</a>	SCT	Telemus Inc.	88 Hines Rd Kanata ON K2K 2T8	WSW/172.5	4.00	<a href="#">155</a>
<a href="#">23</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON	WSW/172.5	4.00	<a href="#">156</a>

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<a href="#">23</a>	SCT	Ultra Electronics	88 Hines Rd Kanata ON K2K 2T8	WSW/172.5	4.00	<a href="#">156</a>
<a href="#">23</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	WSW/172.5	4.00	<a href="#">157</a>
<a href="#">23</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	WSW/172.5	4.00	<a href="#">157</a>
<a href="#">23</a>	GEN	Ultra Electronics Canada Defence Inc.	88 Hines Road Ottawa ON	WSW/172.5	4.00	<a href="#">158</a>
<a href="#">23</a>	GEN	Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	WSW/172.5	4.00	<a href="#">158</a>
<a href="#">23</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	WSW/172.5	4.00	<a href="#">159</a>
<a href="#">23</a>	GEN	Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	WSW/172.5	4.00	<a href="#">160</a>
<a href="#">23</a>	GEN	ULTRA ELECTRONICS	88 HINES RD OTTAWA ON K2K2T8	WSW/172.5	4.00	<a href="#">160</a>
<a href="#">23</a>	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2B8	WSW/172.5	4.00	<a href="#">161</a>
<a href="#">24</a>	SCT	TeleWatch Monitoring Services	84 Hines Rd Suite 130 Kanata ON K2K 3G3	WSW/172.5	2.97	<a href="#">161</a>
<a href="#">24</a>	GEN	Metconnex Inc.	84 Hines Road Suite 260 Ottawa ON	WSW/172.5	2.97	<a href="#">162</a>
<a href="#">24</a>	SCT	Sidense Corp.	84 Hines Rd Suite 260 Kanata ON K2K 3G3	WSW/172.5	2.97	<a href="#">162</a>
<a href="#">24</a>	GEN	Skyworks Solutions (Test Lab)	84 Hines Rd, Suite 100 Kanata ON K2K 3G3	WSW/172.5	2.97	<a href="#">162</a>



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<a href="#">24</a>	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	WSW/172.5	2.97	<a href="#">163</a>
<a href="#">24</a>	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	WSW/172.5	2.97	<a href="#">163</a>
<a href="#">24</a>	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	WSW/172.5	2.97	<a href="#">164</a>
<a href="#">25</a>	BORE		ON	SSE/173.3	-0.97	<a href="#">164</a>
<a href="#">26</a>	WWIS		lot 8 con 3 ON <b>Well ID:</b> 1503343	SSE/173.4	-0.97	<a href="#">165</a>
<a href="#">27</a>	WWIS		3001 SOLANDT RD. KANATA ON <b>Well ID:</b> 7296271	ESE/173.7	-2.31	<a href="#">168</a>
<a href="#">28</a>	WWIS		ON <b>Well ID:</b> 7393876	E/178.1	-4.00	<a href="#">176</a>
<a href="#">29</a>	CA	MINTO DEVELOPMENTS INC.	LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	NNW/183.6	-1.94	<a href="#">177</a>
<a href="#">30</a>	EHS		555, 591, 595, and 603 March Road Kanata ON K2K 2M5	W/190.3	2.88	<a href="#">177</a>
<a href="#">31</a>	EHS		70 Hines Rd. Kanata ON K2K 2M5	SW/193.1	1.95	<a href="#">177</a>
<a href="#">31</a>	CA	2117547 Ontario Inc.	70 Hines Rd Ottawa ON	SW/193.1	1.95	<a href="#">178</a>
<a href="#">31</a>	ECA	2117547 Ontario Inc.	70 Hines Rd Ottawa ON K2V 1B8	SW/193.1	1.95	<a href="#">178</a>
<a href="#">31</a>	SPL	Rogers Communications Inc.	70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	SW/193.1	1.95	<a href="#">178</a>

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<a href="#">32</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <i>Well ID: 7405268</i>	WNW/198.5	2.03	<a href="#">179</a>
<a href="#">33</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <i>Well ID: 7408599</i>	WNW/199.8	1.97	<a href="#">182</a>
<a href="#">34</a>	SCT	SR TELECOM	425 LEGGET DR KANATA ON K2K 2W2	E/200.0	-2.89	<a href="#">186</a>
<a href="#">34</a>	EHS		425 Legget Dr Kanata ON K2K 2W2	E/200.0	-2.89	<a href="#">186</a>
<a href="#">34</a>	GEN	SR TELECOM INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	E/200.0	-2.89	<a href="#">186</a>
<a href="#">34</a>	GEN	C-MAC KANATA INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	E/200.0	-2.89	<a href="#">186</a>
<a href="#">34</a>	GEN	C-MAC KANATA INC.	425 LEGETT DRIVE KANATA ON K2K 2W2	E/200.0	-2.89	<a href="#">187</a>
<a href="#">34</a>	GEN	C-MAC ELCTRONIC SYSTEM INC., SOLECTRON COMPANY	425 LEGETT DRIVE KANATA ON	E/200.0	-2.89	<a href="#">187</a>
<a href="#">34</a>	SCT	Solectron EMS Canada	425 Legget Dr Kanata ON K2K 2W2	E/200.0	-2.89	<a href="#">188</a>
<a href="#">34</a>	EHS		425 Legget Drive Ottawa ON	E/200.0	-2.89	<a href="#">189</a>
<a href="#">34</a>	EASR	AVAYA CANADA CORP	425 LEGGET DRIVE OTTAWA ON K2K 2W2	E/200.0	-2.89	<a href="#">189</a>
<a href="#">34</a>	ECA	425 Legget Drive Property GP Inc.	425 Legget Dr Ottawa ON	E/200.0	-2.89	<a href="#">189</a>
<a href="#">34</a>	EHS		425 Legget Drive Kanata ON K2K 3C9	E/200.0	-2.89	<a href="#">189</a>

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<a href="#">35</a>	WWIS		591 MARCH ROAD lot 9 con 3 KANATA ON <i>Well ID: 7151742</i>	W/201.8	3.94	<a href="#">190</a>
<a href="#">36</a>	EHS		495 and 505 March Road and 11, 40, 50, 80 and 84 Hines Road, Ottawa, Ontario Kanata ON K2K	SSW/202.1	0.31	<a href="#">193</a>
<a href="#">37</a>	EHS		370-450 Huntmar Drive Ottawa ON	E/210.0	-2.92	<a href="#">193</a>
<a href="#">38</a>	EHS		525 Legget Drive Ottawa (Formerly Kanata) ON K2K 2W2	NE/213.9	-5.97	<a href="#">194</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">194</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">195</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">195</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">196</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">196</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">196</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON	NE/213.9	-5.97	<a href="#">197</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON	NE/213.9	-5.97	<a href="#">197</a>
<a href="#">38</a>	ECA	Legget Drive Development Inc.	515 and 525 Legget Dr Ottawa ON K1P 6E2	NE/213.9	-5.97	<a href="#">198</a>

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<a href="#">38</a>	GEN	Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">199</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">199</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">199</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">200</a>
<a href="#">38</a>	GEN	Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">201</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">201</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">202</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">202</a>
<a href="#">38</a>	GEN	Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">203</a>
<a href="#">38</a>	GEN	Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">203</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">204</a>
<a href="#">38</a>	GEN	La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">204</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">205</a>

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<a href="#">38</a>	GEN	Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">206</a>
<a href="#">38</a>	GEN	Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">206</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">206</a>
<a href="#">38</a>	GEN	La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">207</a>
<a href="#">38</a>	GEN	La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">208</a>
<a href="#">38</a>	GEN	BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	NE/213.9	-5.97	<a href="#">208</a>
<a href="#">38</a>	GEN	Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	NE/213.9	-5.97	<a href="#">209</a>
<a href="#">38</a>	GEN	La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	NE/213.9	-5.97	<a href="#">209</a>
<a href="#">38</a>	ECA	Wesley Clover International Corporation	525 Legget Dr 359 Terry Fox Drive Ottawa ON K2K 0G7	NE/213.9	-5.97	<a href="#">209</a>
<a href="#">38</a>	SPL		525 LeGget Drive, Ottawa K2K2W2 OTTAWA ON	NE/213.9	-5.97	<a href="#">210</a>
<a href="#">39</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <b>Well ID:</b> 7405255	WNW/214.1	3.03	<a href="#">211</a>
<a href="#">40</a>	CA	LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	SE/217.5	-2.03	<a href="#">214</a>
<a href="#">40</a>	CA	LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	SE/217.5	-2.03	<a href="#">214</a>

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<a href="#">40</a>	SCT	LOCKHEED MARTIN CANADA INC	3001 SOLANDT RD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">215</a>
<a href="#">40</a>	SCT	Lockheed Martin Canada Inc.	3001 Solandt Rd Kanata ON K2K 2M8	SE/217.5	-2.03	<a href="#">215</a>
<a href="#">40</a>	CA		3001 Solandt Road Kanata ON K2K 2M8	SE/217.5	-2.03	<a href="#">215</a>
<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">215</a>
<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">216</a>
<a href="#">40</a>	EBR	Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON K2K 2M8	SE/217.5	-2.03	<a href="#">217</a>
<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">218</a>
<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">218</a>
<a href="#">40</a>	GEN	MORGUARD INVESTMENTS LTD.	3001 SOLANDT STREET KANATA ON	SE/217.5	-2.03	<a href="#">219</a>
<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">219</a>
<a href="#">40</a>	EBR	Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA ON	SE/217.5	-2.03	<a href="#">220</a>
<a href="#">40</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON	SE/217.5	-2.03	<a href="#">221</a>
<a href="#">40</a>	EHS		3001 Solandt Road Kanata ON	SE/217.5	-2.03	<a href="#">221</a>

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<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON	SE/217.5	-2.03	<a href="#">221</a>
<a href="#">40</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	SE/217.5	-2.03	<a href="#">222</a>
<a href="#">40</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Road Kanata ON K2K 2M8	SE/217.5	-2.03	<a href="#">222</a>
<a href="#">40</a>	ECA	Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	SE/217.5	-2.03	<a href="#">223</a>
<a href="#">40</a>	GEN	LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	SE/217.5	-2.03	<a href="#">223</a>
<a href="#">40</a>	GEN	Morguard Investments	3001 Solandt Rd Kanata ON K2K 3M8	SE/217.5	-2.03	<a href="#">224</a>
<a href="#">41</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <b>Well ID:</b> 7408598	WNW/218.0	3.03	<a href="#">224</a>
<a href="#">42</a>	CA	COLONNADE DEVELOPMENT INC.	60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	SW/223.2	2.03	<a href="#">227</a>
<a href="#">42</a>	CA	COLONNADE DEVELOPMENT INC.	SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	SW/223.2	2.03	<a href="#">228</a>
<a href="#">43</a>	CA		495 March Road Kanata ON K2K 3G1	SSE/227.1	-1.08	<a href="#">228</a>
<a href="#">43</a>	EBR	Picarro Canada Inc.	495 March Road, Suite 100 Ottawa Ontario K2K 3G1 Ottawa ON	SSE/227.1	-1.08	<a href="#">228</a>
<a href="#">43</a>	GEN	PICARRO CANADA INC.	495 MARCH RD SUITE 200 OTTAWA ON K2K 3G1	SSE/227.1	-1.08	<a href="#">229</a>
<a href="#">43</a>	GEN	PICARRO CANADA INC.	495 MARCH RD SUITE 200 OTTAWA ON K2K 3G1	SSE/227.1	-1.08	<a href="#">229</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">43</a>	SCT	Dinmar Consulting Inc.	495 March Rd Suite 400 Kanata ON K2K 3G1	SSE/227.1	-1.08	<a href="#">229</a>
<a href="#">43</a>	SCT	Halogen Software	495 March Rd Suite 500 Ottawa ON K2K 3G1	SSE/227.1	-1.08	<a href="#">230</a>
<a href="#">43</a>	GEN	NEWPORT INSTRUMENTS CANADA CORP	495 MARCH RD SUITE 200 OTTAWA ON	SSE/227.1	-1.08	<a href="#">230</a>
<a href="#">43</a>	CA	Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON	SSE/227.1	-1.08	<a href="#">230</a>
<a href="#">43</a>	SCT	OneChip Photonics Inc.	495 March Rd Suite 200 Kanata ON K2K 3G1	SSE/227.1	-1.08	<a href="#">231</a>
<a href="#">43</a>	SCT	Halogen Software	495 March Rd Suite 500 Kanata ON K2K 3G1	SSE/227.1	-1.08	<a href="#">231</a>
<a href="#">43</a>	GEN	NEWPORT INSTRUMENTS CANADA CORP	495 MARCH RD SUITE 200 OTTAWA ON	SSE/227.1	-1.08	<a href="#">231</a>
<a href="#">43</a>	GEN	OneChip Photonics	495 March Rd. Suite 200 Ottawa ON K2K 3G1	SSE/227.1	-1.08	<a href="#">232</a>
<a href="#">43</a>	GEN	OneChip Photonics	495 March Rd. Suite 200 Ottawa ON K2K 3G1	SSE/227.1	-1.08	<a href="#">232</a>
<a href="#">43</a>	GEN	OneChip Photonics	495 March Rd. Suite 200 Ottawa ON K2K 3G1	SSE/227.1	-1.08	<a href="#">232</a>
<a href="#">43</a>	EHS		495 March Rd Ottawa ON K2K3G1	SSE/227.1	-1.08	<a href="#">233</a>
<a href="#">43</a>	GEN	OneChip Photonics	495 March Rd. Suite 150 Ottawa ON	SSE/227.1	-1.08	<a href="#">233</a>
<a href="#">43</a>	ECA	Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON K2K 3G1	SSE/227.1	-1.08	<a href="#">233</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">43</a>	ECA	E-Cruiter.com Inc.	495 March Road Kanata ON K2K 3G1	SSE/227.1	-1.08	<a href="#">234</a>
<a href="#">43</a>	GEN	OneChip Photonics	495 March Rd. Suite 150 Ottawa ON K2K 3G1	SSE/227.1	-1.08	<a href="#">234</a>
<a href="#">44</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <i>Well ID: 7408597</i>	WNW/232.8	3.00	<a href="#">235</a>
<a href="#">45</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <i>Well ID: 7408602</i>	WNW/233.0	1.92	<a href="#">238</a>
<a href="#">46</a>	EHS		359 Terry Fox Drive Ottawa ON Kanata ON K2K 2E7	NNE/239.3	-6.02	<a href="#">241</a>
<a href="#">47</a>	CA	NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA CITY ON K2K 2E7	NNE/239.7	-6.02	<a href="#">241</a>
<a href="#">47</a>	SCT	ELCOMBE SYSTEMS LIMITED	359 TERRY FOX DR KANATA ON K2K 2E7	NNE/239.7	-6.02	<a href="#">241</a>
<a href="#">47</a>	CA		359 Terry Fox Drive Kanata ON K2K 2E7	NNE/239.7	-6.02	<a href="#">242</a>
<a href="#">47</a>	GEN	NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA ON K2K 2E7	NNE/239.7	-6.02	<a href="#">242</a>
<a href="#">47</a>	GEN	NEWBRIDGE NETWORKS CORPORATION 28-523	359 TERRY FOX DRIVE KANATA ON K2K 2E7	NNE/239.7	-6.02	<a href="#">242</a>
<a href="#">47</a>	EHS		359 Terry Fox Drive Ottawa ON	NNE/239.7	-6.02	<a href="#">243</a>
<a href="#">47</a>	EBR	Smart Technologies Inc.	359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa ON	NNE/239.7	-6.02	<a href="#">243</a>
<a href="#">47</a>	EHS		359 Terry Fox Drive Ottawa ON	NNE/239.7	-6.02	<a href="#">244</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">47</a>	GEN	Smart Technologies Inc	359 Terry Fox Drive - North Kanata ON	NNE/239.7	-6.02	<a href="#">244</a>
<a href="#">47</a>	CA	Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON	NNE/239.7	-6.02	<a href="#">244</a>
<a href="#">47</a>	CA	Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON	NNE/239.7	-6.02	<a href="#">245</a>
<a href="#">47</a>	SCT	Sciometric Instruments Inc.	359 Terry Fox Dr Kanata ON K2K 2E7	NNE/239.7	-6.02	<a href="#">245</a>
<a href="#">47</a>	SCT	Pleora Technologies Inc.	359 Terry Fox Dr Unit 230 Kanata ON K2K 2E7	NNE/239.7	-6.02	<a href="#">245</a>
<a href="#">47</a>	ECA	Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON K2K 2E7	NNE/239.7	-6.02	<a href="#">246</a>
<a href="#">47</a>	ECA	Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON K2K 2X3	NNE/239.7	-6.02	<a href="#">246</a>
<a href="#">47</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NNE/239.7	-6.02	<a href="#">246</a>
<a href="#">47</a>	GEN	Public Health Agency of Canada - Kanata	359 Terry Fox Drive Kanata ON K2K2E7	NNE/239.7	-6.02	<a href="#">247</a>
<a href="#">47</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NNE/239.7	-6.02	<a href="#">247</a>
<a href="#">47</a>	GEN	Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	NNE/239.7	-6.02	<a href="#">248</a>
<a href="#">47</a>	GEN	Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	NNE/239.7	-6.02	<a href="#">248</a>
<a href="#">47</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NNE/239.7	-6.02	<a href="#">249</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">47</a>	GEN	Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	NNE/239.7	-6.02	<a href="#">249</a>
<a href="#">47</a>	GEN	Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	NNE/239.7	-6.02	<a href="#">250</a>
<a href="#">48</a>	SCT	INSTANTEL INC.	362 TERRY FOX DR KANATA ON K2K 2P5	N/245.3	-4.00	<a href="#">251</a>
<a href="#">48</a>	SCT	Coyle Publishing Inc.	362 Terry Fox Dr Suite 220 Kanata ON K2K 2P5	N/245.3	-4.00	<a href="#">251</a>
<a href="#">49</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <b>Well ID:</b> 7408603	WNW/247.7	3.00	<a href="#">251</a>
<a href="#">50</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <b>Well ID:</b> 7408601	WNW/249.3	1.69	<a href="#">254</a>
<a href="#">51</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <b>Well ID:</b> 7405269	WNW/249.5	1.69	<a href="#">257</a>
<a href="#">52</a>	WWIS		603 March Road lot 9 con 3 Kanata ON <b>Well ID:</b> 7405254	WNW/249.6	3.00	<a href="#">261</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	131.2	<a href="#"><u>16</u></a>
	ON	173.3	<a href="#"><u>25</u></a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 20 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON	64.0	<a href="#"><u>7</u></a>
Nortel Networks Corporation	535 Legget Drive Ottawa ON	64.0	<a href="#"><u>7</u></a>
Kanata Research Park Corporation	515 Legget Drive Ottawa ON	115.5	<a href="#"><u>13</u></a>
Kanata Research Park Corporation	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>
Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	161.0	<a href="#"><u>22</u></a>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON	161.0	<a href="#"><u>22</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
WILLIAM S. BURNSIDE (CANADA) LIMITED	88 HINES ROAD (SWM) KANATA ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
MINTO DEVELOPMENTS INC.	LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	183.6	<a href="#"><u>29</u></a>
2117547 Ontario Inc.	70 Hines Rd Ottawa ON	193.1	<a href="#"><u>31</u></a>
LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
LOCKHEED CANADA INC.	3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
	3001 Solandt Road Kanata ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
COLONNADE DEVELOPMENT INC.	60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	223.2	<a href="#"><u>42</u></a>
COLONNADE DEVELOPMENT INC.	SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	223.2	<a href="#"><u>42</u></a>
	495 March Road Kanata ON K2K 3G1	227.1	<a href="#"><u>43</u></a>
Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON	227.1	<a href="#"><u>43</u></a>
NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA CITY ON K2K 2E7	239.7	<a href="#"><u>47</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	359 Terry Fox Drive Kanata ON K2K 2E7	239.7	<a href="#">47</a>
Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON	239.7	<a href="#">47</a>
Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON	239.7	<a href="#">47</a>

### **EASR - Environmental Activity and Sector Registry**

A search of the EASR database, dated Oct 2011-Jun 30, 2024 has found that there are 3 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SCI BROCKVILLE CORP.	528 MARCH KANATA ON	63.3	<a href="#">6</a>
SCI BROCKVILLE CORP.	528 MARCH RD KANATA ON K2K 2M5	63.3	<a href="#">6</a>
AVAYA CANADA CORP	425 LEGGET DRIVE OTTAWA ON K2K 2W2	200.0	<a href="#">34</a>

### **EBR - Environmental Registry**

A search of the EBR database, dated 1994 - Jun 30, 2024 has found that there are 6 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Cyrium Technologies Incorporated	50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	161.0	<a href="#">22</a>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	161.0	<a href="#">22</a>



<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA ON	217.5	<a href="#"><u>40</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
Picarro Canada Inc.	495 March Road, Suite 100 Ottawa Ontario K2K 3G1 Ottawa ON	227.1	<a href="#"><u>43</u></a>
Smart Technologies Inc.	359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa ON	239.7	<a href="#"><u>47</u></a>

### **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Jun 30, 2024 has found that there are 24 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Legget Drive Development Inc.	500 March Rd Ottawa ON K1P 6E2	61.8	<a href="#"><u>5</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	64.0	<a href="#"><u>7</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	64.0	<a href="#"><u>7</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	64.0	<a href="#"><u>7</u></a>
Nortel Networks Corporation	535 Legget Drive Ottawa ON K2H 8E9	64.0	<a href="#"><u>7</u></a>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	64.0	<a href="#"><u>7</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Kanata Research Park Corporation	Kanata Research Park Kanata ON K2K 2X3	79.7	<a href="#"><u>9</u></a>
Kanata Research Park Corporation	515 Legget Drive Ottawa ON K2K 2X3	115.5	<a href="#"><u>13</u></a>
Kanata Research Park Corporation	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
D.I.R. Investments Inc.	Ottawa ON K0A 1A0	148.6	<a href="#"><u>21</u></a>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	161.0	<a href="#"><u>22</u></a>
2117547 Ontario Inc.	70 Hines Rd Ottawa ON K2V 1B8	193.1	<a href="#"><u>31</u></a>
425 Legget Drive Property GP Inc.	425 Legget Dr Ottawa ON	200.0	<a href="#"><u>34</u></a>
Wesley Clover International Corporation	525 Legget Dr 359 Terry Fox Drive Ottawa ON K2K 0G7	213.9	<a href="#"><u>38</u></a>
Legget Drive Development Inc.	515 and 525 Legget Dr Ottawa ON K1P 6E2	213.9	<a href="#"><u>38</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	217.5	<a href="#"><u>40</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Lockheed Martin Canada Inc.	3001 Solandt Road Kanata ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Rd Ottawa ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
Lockheed Martin Canada Inc.	3001 Solandt Road Ottawa ON	217.5	<a href="#"><u>40</u></a>
E-Cruiter.com Inc.	495 March Road Kanata ON K2K 3G1	227.1	<a href="#"><u>43</u></a>
Picarro Canada Inc.	495 March Road, Suite 100 Ottawa ON K2K 3G1	227.1	<a href="#"><u>43</u></a>
Kanata Research Park Corporation	359 Terry Fox Drive Ottawa ON K2K 2X3	239.7	<a href="#"><u>47</u></a>
Smart Technologies Inc.	359 Terry Fox Drive Ottawa ON K2K 2E7	239.7	<a href="#"><u>47</u></a>

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 30 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	600 March Road Kanata ON K2K 2T6	19.7	<a href="#"><u>3</u></a>
	528 March Road Ottawa ON	63.3	<a href="#"><u>6</u></a>
	510-528 March Road Kanata ON	63.3	<a href="#"><u>6</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	535 Legget Drive Kanata ON K2K 3B8	64.0	<a href="#"><u>7</u></a>
	535 Legget Drive Kanata ON K2K 3B8	64.0	<a href="#"><u>7</u></a>
	PE5413 - 535 Legget Drive Kanata ON K2K 2W2	64.0	<a href="#"><u>7</u></a>
	505 March Road Ottawa ON	95.1	<a href="#"><u>10</u></a>
	515 Legget Dr Ottawa ON K2K3G4	115.5	<a href="#"><u>13</u></a>
	515 Legget Drive Ottawa ON	115.5	<a href="#"><u>13</u></a>
	80 Hines Road n/a ON K2K 2T8	123.6	<a href="#"><u>14</u></a>
	555 March Road Ottawa (Kanata) ON	129.8	<a href="#"><u>15</u></a>
	555 Legget Dr Ottawa ON K2K2X3	134.8	<a href="#"><u>17</u></a>
	555 Legget Dr Ottawa ON K2K2X3	134.8	<a href="#"><u>17</u></a>
	555 Legget Drive Kanata ON K2K 3B8	134.8	<a href="#"><u>17</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	555 Legget Drive Kanata ON K2K 3B8	134.8	<a href="#"><u>17</u></a>
	591 March Rd Ottawa ON K2K2M5	146.7	<a href="#"><u>20</u></a>
	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
	555, 591, 595, and 603 March Road Kanata ON K2K 2M5	190.3	<a href="#"><u>30</u></a>
	70 Hines Rd. Kanata ON K2K 2M5	193.1	<a href="#"><u>31</u></a>
	425 Legget Drive Kanata ON K2K 3C9	200.0	<a href="#"><u>34</u></a>
	425 Legget Drive Ottawa ON	200.0	<a href="#"><u>34</u></a>
	425 Legget Dr Kanata ON K2K 2W2	200.0	<a href="#"><u>34</u></a>
	495 and 505 March Road and 11, 40, 50, 80 and 84 Hines Road, Ottawa, Ontario Kanata ON K2K	202.1	<a href="#"><u>36</u></a>
	370-450 Huntmar Drive Ottawa ON	210.0	<a href="#"><u>37</u></a>
	525 Legget Drive Ottawa (Formerly Kanata) ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
	3001 Solandt Road Kanata ON	217.5	<a href="#"><u>40</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	495 March Rd Ottawa ON K2K3G1	227.1	<a href="#">43</a>
	359 Terry Fox Drive Ottawa ON Kanata ON K2K 2E7	239.3	<a href="#">46</a>
	359 Terry Fox Drive Ottawa ON	239.7	<a href="#">47</a>
	359 Terry Fox Drive Ottawa ON	239.7	<a href="#">47</a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 135 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	61.8	<a href="#">5</a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	61.8	<a href="#">5</a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	61.8	<a href="#">5</a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	61.8	<a href="#">5</a>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	61.8	<a href="#">5</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Sanmina Corporation	500 March Road Ottawa ON K2K 0J9	61.8	<a href="#"><u>5</u></a>
Intel of Canada, Ltd.	535 Legget Drive Suite 206 Kanata ON K2K 3B8	64.0	<a href="#"><u>7</u></a>
Mead Johnson Nutrition (Canada) Co.	900-535 Legget Drive Kanata ON K2K3B8	64.0	<a href="#"><u>7</u></a>
KRP Properties	40 Hines Road Ottawa ON K2K 2M5	100.4	<a href="#"><u>12</u></a>
Broccolini Construction Ottawa Inc.	515 Legget Drive Ottawa ON K2K 3G4	115.5	<a href="#"><u>13</u></a>
AMCC	80 Hines Rd. Kanata ON K2K 2T8	123.6	<a href="#"><u>14</u></a>
TELEXIS CORPORATION	555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>
March Networks	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>



<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>
KRP Management Services Inc.	555 Legget Drive Ottawa ON	134.8	<a href="#"><u>17</u></a>
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ALCATEL CANADA INC.	600 MARCH ROAD KANATA ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON	141.1	<a href="#"><u>19</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
MILLER'S QUALITY DRY CLEANERS	591 MARCH ROAD KANATA ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	146.7	<a href="#"><u>20</u></a>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
GaN Systems Inc.	50 Hines road, suite 204 Ottawa ON	161.0	<a href="#"><u>22</u></a>
Telemus Inc.	88 Hines Road Ottawa ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON	172.5	<a href="#"><u>23</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
Ultra Electronics Canada Defence Inc.	88 Hines Road Ottawa ON	172.5	<a href="#"><u>23</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	172.5	<a href="#"><u>23</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	172.5	<a href="#"><u>23</u></a>
ULTRA ELECTRONICS	88 HINES RD OTTAWA ON K2K2T8	172.5	<a href="#"><u>23</u></a>
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2B8	172.5	<a href="#"><u>23</u></a>
Metconnex Inc.	84 Hines Road Suite 260 Ottawa ON	172.5	<a href="#"><u>24</u></a>
Skyworks Solutions (Test Lab)	84 Hines Rd, Suite 100 Kanata ON K2K 3G3	172.5	<a href="#"><u>24</u></a>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	172.5	<a href="#"><u>24</u></a>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	172.5	<a href="#"><u>24</u></a>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	172.5	<a href="#"><u>24</u></a>
SR TELECOM INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	200.0	<a href="#"><u>34</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
C-MAC KANATA INC.	425 LEGGET DRIVE KANATA ON K2K 2W2	200.0	<a href="#">34</a>
C-MAC KANATA INC.	425 LEGETT DRIVE KANATA ON K2K 2W2	200.0	<a href="#">34</a>
C-MAC ELCTRONIC SYSTEM INC., SOLELECTRON COMPANY	425 LEGETT DRIVE KANATA ON	200.0	<a href="#">34</a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#">38</a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#">38</a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#">38</a>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K 2W2	213.9	<a href="#">38</a>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K 2W2	213.9	<a href="#">38</a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#">38</a>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON	213.9	<a href="#">38</a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON	213.9	<a href="#">38</a>
Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	213.9	<a href="#">38</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
Sannoufi Medicine Professional Corporation	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>



<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
BROOKSTREET	525 LEGGET DRIVE KANATA ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
Dr. Charles Kamel, Professional Dentistry Corporat	120 - 525 Legget Drive Kanata ON K2K 2W2	213.9	<a href="#"><u>38</u></a>
La Vie Medial Inc.	525 Legget Dr. Suite 150 Kanata ON K2K2W2	213.9	<a href="#"><u>38</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	217.5	<a href="#"><u>40</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
MORGUARD INVESTMENTS LTD.	3001 SOLANDT STREET KANATA ON	217.5	<a href="#"><u>40</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON	217.5	<a href="#"><u>40</u></a>
LOCKHEED MARTIN CANADA	3001 SOLANDT ROAD KANATA ON K2K 2M8	217.5	<a href="#"><u>40</u></a>
Morguard Investments	3001 Solandt Rd Kanata ON K2K 3M8	217.5	<a href="#"><u>40</u></a>
PICARRO CANADA INC.	495 MARCH RD SUITE 200 OTTAWA ON K2K 3G1	227.1	<a href="#"><u>43</u></a>
PICARRO CANADA INC.	495 MARCH RD SUITE 200 OTTAWA ON K2K 3G1	227.1	<a href="#"><u>43</u></a>
NEWPORT INSTRUMENTS CANADA CORP	495 MARCH RD SUITE 200 OTTAWA ON	227.1	<a href="#"><u>43</u></a>
NEWPORT INSTRUMENTS CANADA CORP	495 MARCH RD SUITE 200 OTTAWA ON	227.1	<a href="#"><u>43</u></a>
OneChip Photonics	495 March Rd. Suite 200 Ottawa ON K2K 3G1	227.1	<a href="#"><u>43</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
OneChip Photonics	495 March Rd. Suite 200 Ottawa ON K2K 3G1	227.1	<a href="#">43</a>
OneChip Photonics	495 March Rd. Suite 200 Ottawa ON K2K 3G1	227.1	<a href="#">43</a>
OneChip Photonics	495 March Rd. Suite 150 Ottawa ON	227.1	<a href="#">43</a>
OneChip Photonics	495 March Rd. Suite 150 Ottawa ON K2K 3G1	227.1	<a href="#">43</a>
NEWBRIDGE NETWORKS CORPORATION	359 TERRY FOX DRIVE KANATA ON K2K 2E7	239.7	<a href="#">47</a>
NEWBRIDGE NETWORKS CORPORATION 28-523	359 TERRY FOX DRIVE KANATA ON K2K 2E7	239.7	<a href="#">47</a>
Smart Technologies Inc	359 Terry Fox Drive - North Kanata ON	239.7	<a href="#">47</a>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	239.7	<a href="#">47</a>
Public Health Agency of Canada - Kanata	359 Terry Fox Drive Kanata ON K2K2E7	239.7	<a href="#">47</a>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	239.7	<a href="#">47</a>
Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	239.7	<a href="#">47</a>
Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	239.7	<a href="#">47</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	239.7	<a href="#">47</a>
Electronic Distributors International Inc.	359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7	239.7	<a href="#">47</a>
Public Health Agency of Canada - Kanata NESS	359 Terry Fox Drive Kanata ON K2K2E7	239.7	<a href="#">47</a>

### **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	515 LEGGET DRIVE KANATA ON	115.5	<a href="#">13</a>

### **NPRI - National Pollutant Release Inventory - Historic**

A search of the NPRI database, dated 1993-May 2017 has found that there are 3 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
KANATA RESEARCH PARK	535 LEGGET Drive KANATA ON K2K3B8	64.0	<a href="#">7</a>
KANATA RESEARCH PARK	515 LEGGET Drive KANATA ON K2K3G4	115.5	<a href="#">13</a>
KANATA RESEARCH PARK	555 LEGGET Drive KANATA ON K2K2X3	134.8	<a href="#">17</a>

## **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011\* has found that there are 57 SCT site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Mead Johnson Nutritionals	535 Legget Dr Unit 900 Kanata ON K2K 3B8	64.0	<a href="#"><u>7</u></a>
PIKA Technologies Inc.	535 Legget Dr Suite 400 Kanata ON K2K 3B8	64.0	<a href="#"><u>7</u></a>
Solace Systems Inc.	535 Legget Dr Floor 3 Kanata ON K2K 3B8	64.0	<a href="#"><u>7</u></a>
CAPRICORN DATA	525 MARCH RD RR 33 KANATA ON K2K 2M5	77.7	<a href="#"><u>8</u></a>
Capricorn Data Inc.	525 March Rd Kanata ON K2K 2M5	77.7	<a href="#"><u>8</u></a>
Telus Health Solutions Inc.	505 March Rd Suite 450 Kanata ON K2K 3A4	95.1	<a href="#"><u>10</u></a>
Texas Instruments Canada Ltd.	505 March Rd Suite 200 Kanata ON K2K 3A4	95.1	<a href="#"><u>10</u></a>
Texas Instruments Canada Ltd.	505 March Rd Suite 200 Ottawa ON K2K 3A4	95.1	<a href="#"><u>10</u></a>
Trend Micro, Inc.	40 Hines Rd Suite 200 Kanata ON K2K 2M5	100.4	<a href="#"><u>12</u></a>
Open Text Corporation	515 Legget Dr Suite 300 Kanata ON K2K 3G4	115.5	<a href="#"><u>13</u></a>
Ubiquity Software Corp.	515 Legget Dr Suite 400 Ottawa ON K2K 3G4	115.5	<a href="#"><u>13</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Quest Software Canada Inc.	515 Legget Dr Suite 1001 Kanata ON K2K 3G4	115.5	<a href="#"><u>13</u></a>
ROHDE & SCHWARZ CANADA	555 MARCH RD KANATA ON K2K 2M5	129.8	<a href="#"><u>15</u></a>
TEKTRONIX CANADA INC.	555 MARCH RD KANATA ON K2K 2M5	129.8	<a href="#"><u>15</u></a>
Rohde & Schwarz Canada Inc.	555 March Rd Kanata ON K2K 2M5	129.8	<a href="#"><u>15</u></a>
Localcity	555 March Rd Kanata ON K2K 2M5	129.8	<a href="#"><u>15</u></a>
Local City Inc.	555 March Rd Kanata ON K2K 2M5	129.8	<a href="#"><u>15</u></a>
ASAP-CD Solutions	555 March Rd Ottawa ON K2K 2M5	129.8	<a href="#"><u>15</u></a>
NOKIA IP TELEPHONY CORPORATION	555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
NOKIA	555 Legget Dr Suite 400 Kanata ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
March Networks	555 Legget Dr Suite 140 Kanata ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
March Networks Corporation	555 Legget Dr Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
March Networks Corporation	555 Legget Dr Suite 530 Kanata ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Redirack Storage Systems	555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Netistix Technologies Corp	555 Legget Dr Suite 304 Kanata ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Sch Specialty Literacy/Interve	555 Legget Dr Suite 900 Kanata ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Redirack Storage Systems	555 Legget Dr Suite 1007 Kanata ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
Mediphan Inc.	555 Legget Dr Suite 305 Ottawa ON K2K 2X3	134.8	<a href="#"><u>17</u></a>
NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2E6	141.1	<a href="#"><u>19</u></a>
NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
Alcatel Canada Inc.	600 March Rd Kanata ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
Alcatel-Lucent Canada Inc.	600 March Rd Kanata ON K2K 2T6	141.1	<a href="#"><u>19</u></a>
EXCALIBUR SYSTEMS LTD.	50 Hines Rd Kanata ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
DRS EW & Network Systems	50 Hines Rd Kanata ON K2K 2M5	161.0	<a href="#"><u>22</u></a>



<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
WorkDynamics Technologies	50 Hines Rd Suite 220 Kanata ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
Power Integrations Canada Inc.	50 Hines Rd Suite 240 Kanata ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
OneChip Photonics Inc.	50 Hines Rd Suite 200 Kanata ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
Merge Healthcare Incorporated	50 Hines Rd Suite 120 Kanata ON K2K 2M5	161.0	<a href="#"><u>22</u></a>
Flexus Electronics Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
Flexus Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
Telemus Inc.	88 Hines Rd Kanata ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
Ultra Electronics	88 Hines Rd Kanata ON K2K 2T8	172.5	<a href="#"><u>23</u></a>
TeleWatch Monitoring Services	84 Hines Rd Suite 130 Kanata ON K2K 3G3	172.5	<a href="#"><u>24</u></a>
Sidense Corp.	84 Hines Rd Suite 260 Kanata ON K2K 3G3	172.5	<a href="#"><u>24</u></a>
SR TELECOM	425 LEGGET DR KANATA ON K2K 2W2	200.0	<a href="#"><u>34</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance (m)</b>	<b>Map Key</b>
Solectron EMS Canada	425 Legget Dr Kanata ON K2K 2W2	200.0	<a href="#">34</a>
LOCKHEED MARTIN CANADA INC	3001 SOLANDT RD KANATA ON K2K 2M8	217.5	<a href="#">40</a>
Lockheed Martin Canada Inc.	3001 Solandt Rd Kanata ON K2K 2M8	217.5	<a href="#">40</a>
Dinmar Consulting Inc.	495 March Rd Suite 400 Kanata ON K2K 3G1	227.1	<a href="#">43</a>
Halogen Software	495 March Rd Suite 500 Ottawa ON K2K 3G1	227.1	<a href="#">43</a>
OneChip Photonics Inc.	495 March Rd Suite 200 Kanata ON K2K 3G1	227.1	<a href="#">43</a>
Halogen Software	495 March Rd Suite 500 Kanata ON K2K 3G1	227.1	<a href="#">43</a>
ELCOMBE SYSTEMS LIMITED	359 TERRY FOX DR KANATA ON K2K 2E7	239.7	<a href="#">47</a>
Sciometric Instruments Inc.	359 Terry Fox Dr Kanata ON K2K 2E7	239.7	<a href="#">47</a>
Pleora Technologies Inc.	359 Terry Fox Dr Unit 230 Kanata ON K2K 2E7	239.7	<a href="#">47</a>
INSTANTEL INC.	362 TERRY FOX DR KANATA ON K2K 2P5	245.3	<a href="#">48</a>
Coyle Publishing Inc.	362 Terry Fox Dr Suite 220 Kanata ON K2K 2P5	245.3	<a href="#">48</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Jan 2023; see description has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Colonnade Management<UNOFFICIAL>	505 March Road Ottawa ON K2K 3A4	95.1	<a href="#"><u>10</u></a>
Kanata Research Park Corporation	515 Legget drive Ottawa ON	115.5	<a href="#"><u>13</u></a>
Rogers Communications Inc.	70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	193.1	<a href="#"><u>31</u></a>
	525 LeGget Drive, Ottawa K2K2W2 OTTAWA ON	213.9	<a href="#"><u>38</u></a>

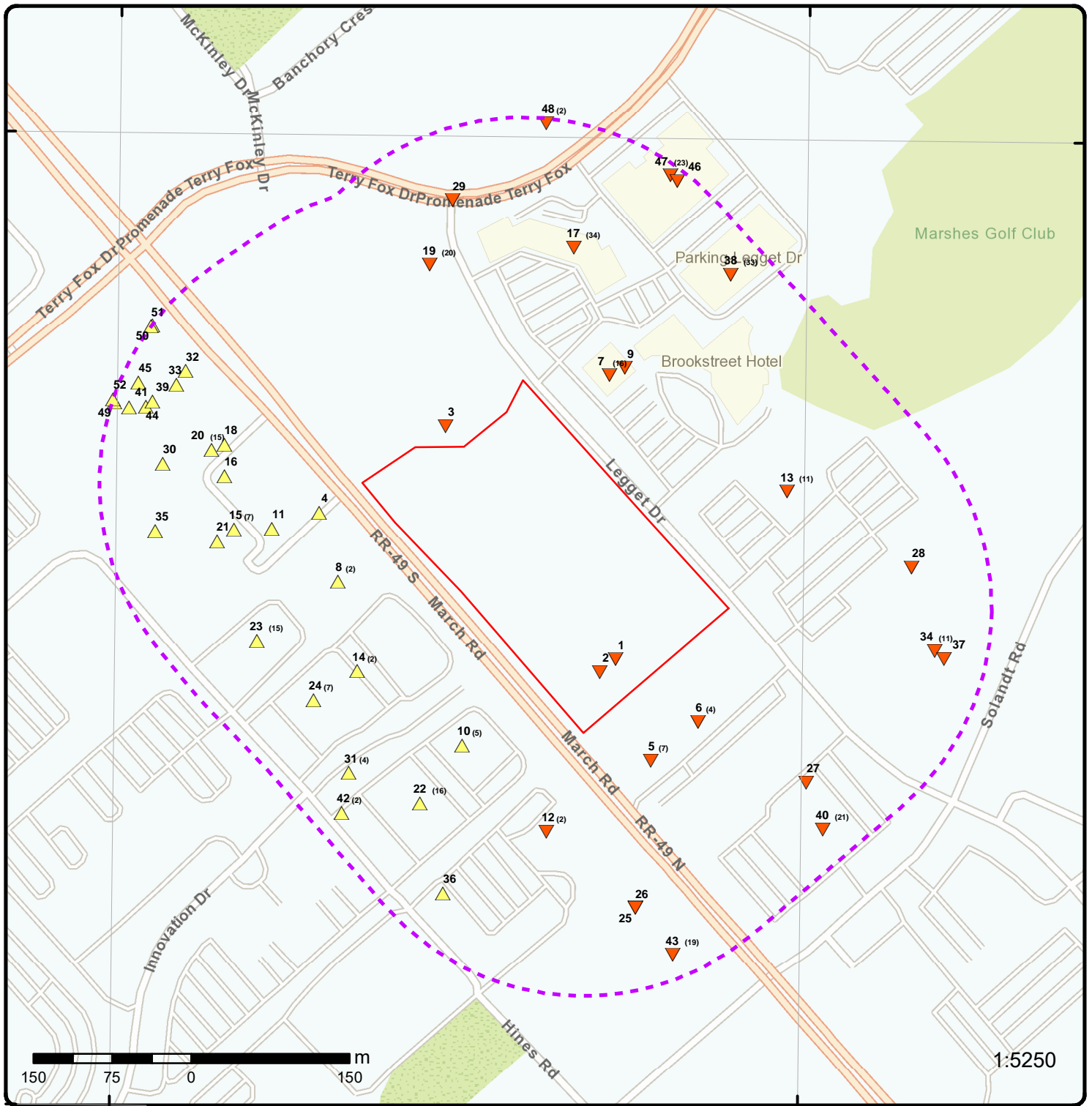
### **WWIS - Water Well Information System**

A search of the WWIS database, dated Dec 31 2023 has found that there are 22 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON <i>Well ID: 7411887</i>	0.0	<a href="#"><u>1</u></a>
	ON <i>Well ID: 7418702</i>	0.0	<a href="#"><u>2</u></a>
	lot 9 con 3 ON <i>Well ID: 1503345</i>	50.0	<a href="#"><u>4</u></a>
	lot 9 con 3 ON	96.5	<a href="#"><u>11</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1503344		
	lot 9 con 3 ON	136.0	<a href="#"><u>18</u></a>
	<i>Well ID:</i> 1510215		
	600 March Road lot 8 con 4 Kanata ON	141.1	<a href="#"><u>19</u></a>
	<i>Well ID:</i> 7444459		
	600 March Road lot 8 con 4 Kanata ON	141.1	<a href="#"><u>19</u></a>
	<i>Well ID:</i> 7444460		
	600 March Road lot 8 con 4 Kanata ON	141.1	<a href="#"><u>19</u></a>
	<i>Well ID:</i> 7444461		
	lot 8 con 3 ON	173.4	<a href="#"><u>26</u></a>
	<i>Well ID:</i> 1503343		
	3001 SOLANDT RD. KANATA ON	173.7	<a href="#"><u>27</u></a>
	<i>Well ID:</i> 7296271		
	ON	178.1	<a href="#"><u>28</u></a>
	<i>Well ID:</i> 7393876		
	603 March Road lot 9 con 3 Kanata ON	198.5	<a href="#"><u>32</u></a>
	<i>Well ID:</i> 7405268		
	603 March Road lot 9 con 3 Kanata ON	199.8	<a href="#"><u>33</u></a>
	<i>Well ID:</i> 7408599		
	591 MARCH ROAD lot 9 con 3 KANATA ON	201.8	<a href="#"><u>35</u></a>
	<i>Well ID:</i> 7151742		
	603 March Road lot 9 con 3 Kanata ON	214.1	<a href="#"><u>39</u></a>
	<i>Well ID:</i> 7405255		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7408598</i>	218.0	<a href="#"><u>41</u></a>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7408597</i>	232.8	<a href="#"><u>44</u></a>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7408602</i>	233.0	<a href="#"><u>45</u></a>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7408603</i>	247.7	<a href="#"><u>49</u></a>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7408601</i>	249.3	<a href="#"><u>50</u></a>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7405269</i>	249.5	<a href="#"><u>51</u></a>
	603 March Road lot 9 con 3 Kanata ON  <i>Well ID: 7405254</i>	249.6	<a href="#"><u>52</u></a>



### Map: 0.25 Kilometer Radius

Order Number: 24070500123

Address: 520 & 570 March Road, Ottawa, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	Hospital





**Aerial** Year: 2023

Order Number: 24070500123

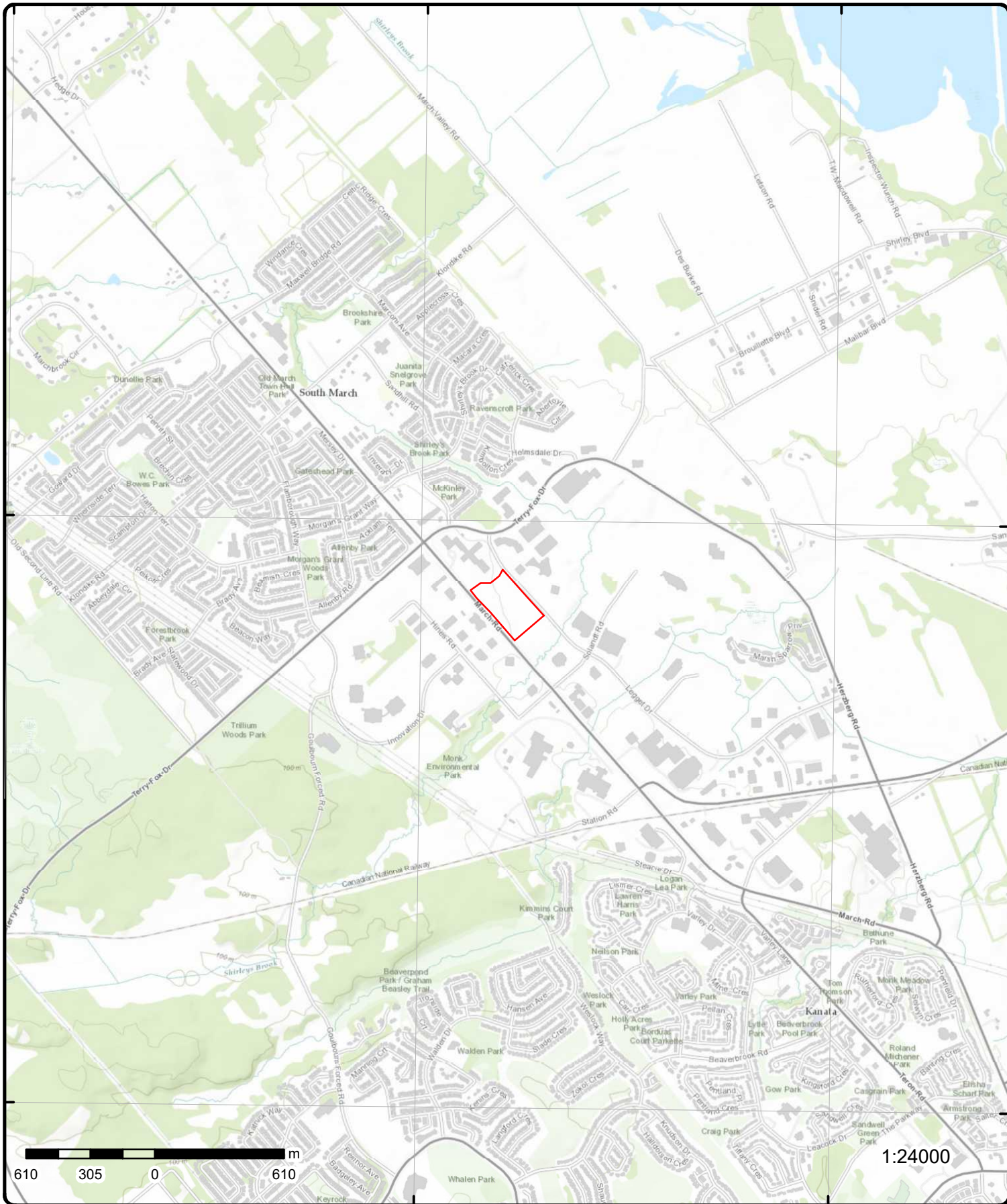
**Address: 520 & 570 March Road, Ottawa, ON**



Source: ESRI World Imagery

© ERIS Information Limited Partnership





# Topographic Map

Address: 520 & 570 March Road, ON

Source: ESRI World Topographic Map

Order Number: 24070500123



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>1</u></p> <p><b>Well ID:</b> 7411887</p> <p><b>Construction Date:</b></p> <p><b>Use 1st:</b></p> <p><b>Use 2nd:</b></p> <p><b>Final Well Status:</b></p> <p><b>Water Type:</b></p> <p><b>Casing Material:</b></p> <p><b>Audit No:</b> C47441</p> <p><b>Tag:</b> A311034</p> <p><b>Constructn Method:</b></p> <p><b>Elevation (m):</b></p> <p><b>Elevatn Reliabilty:</b></p> <p><b>Depth to Bedrock:</b></p> <p><b>Well Depth:</b></p> <p><b>Overburden/Bedrock:</b></p> <p><b>Pump Rate:</b></p> <p><b>Static Water Level:</b></p> <p><b>Clear/Cloudy:</b></p> <p><b>Municipality:</b> MARCH TOWNSHIP</p> <p><b>Site Info:</b></p>	<p>1 of 1</p>	<p>SE/0.0</p>	<p>80.9 / -1.00</p>	<p>ON</p> <p><b>Flowing (Y/N):</b></p> <p><b>Flow Rate:</b></p> <p><b>Data Entry Status:</b> Yes</p> <p><b>Data Src:</b></p> <p><b>Date Received:</b> 03/01/2022</p> <p><b>Selected Flag:</b> TRUE</p> <p><b>Abandonment Rec:</b></p> <p><b>Contractor:</b> 7675</p> <p><b>Form Version:</b> 8</p> <p><b>Owner:</b></p> <p><b>County:</b> OTTAWA-CARLETON</p> <p><b>Lot:</b></p> <p><b>Concession:</b></p> <p><b>Concession Name:</b></p> <p><b>Easting NAD83:</b></p> <p><b>Northing NAD83:</b></p> <p><b>Zone:</b></p> <p><b>UTM Reliability:</b></p>	<p>WWIS</p>
<b><u>Additional Detail(s) (Map)</u></b>					
<p><b>Bore Hole ID:</b> 1008964982</p> <p><b>Depth M:</b></p> <p><b>Year Completed:</b> 2022</p> <p><b>Well Completed Dt:</b> 02/02/2022</p> <p><b>Audit No:</b> C47441</p> <p><b>Path:</b></p>				<p><b>Tag No:</b> A311034</p> <p><b>Contractor:</b> 7675</p> <p><b>Latitude:</b> 45.3455458657277</p> <p><b>Longitude:</b> -75.9189164913814</p> <p><b>Y:</b> 45.34554585923208</p> <p><b>X:</b> -75.9189163294058</p>	
<b><u>Bore Hole Information</u></b>					
<p><b>Bore Hole ID:</b> 1008964982</p> <p><b>DP2BR:</b></p> <p><b>Spatial Status:</b></p> <p><b>Code OB:</b></p> <p><b>Code OB Desc:</b></p> <p><b>Open Hole:</b></p> <p><b>Cluster Kind:</b></p> <p><b>Date Completed:</b> 02/02/2022</p> <p><b>Remarks:</b></p> <p><b>Location Method Desc:</b> on Water Well Record</p> <p><b>Elevrc Desc:</b></p> <p><b>Location Source Date:</b></p> <p><b>Improvement Location Source:</b></p> <p><b>Improvement Location Method:</b></p> <p><b>Source Revision Comment:</b></p> <p><b>Supplier Comment:</b></p>				<p><b>Elevation:</b></p> <p><b>Elevrc:</b></p> <p><b>Zone:</b> 18</p> <p><b>East83:</b> 428012.00</p> <p><b>North83:</b> 5021748.00</p> <p><b>Org CS:</b> UTM83</p> <p><b>UTMRC:</b> 4</p> <p><b>UTMRC Desc:</b> margin of error : 30 m - 100 m</p> <p><b>Location Method:</b> wwr</p>	
<p><u>2</u></p>	<p>1 of 1</p>	<p>SSE/0.0</p>	<p>80.9 / -1.00</p>		<p>WWIS</p>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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ON

<b>Well ID:</b>	7418702	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>		<b>Data Entry Status:</b>	Yes
<b>Use 2nd:</b>		<b>Data Src:</b>	
<b>Final Well Status:</b>		<b>Date Received:</b>	06/01/2022
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>	C48396	<b>Contractor:</b>	7675
<b>Tag:</b>	A331679	<b>Form Version:</b>	8
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>		<b>Lot:</b>	
<b>Depth to Bedrock:</b>		<b>Concession:</b>	
<b>Well Depth:</b>		<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	
<b>Pump Rate:</b>		<b>Northing NAD83:</b>	
<b>Static Water Level:</b>		<b>Zone:</b>	
<b>Clear/Cloudy:</b>		<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP		
<b>Site Info:</b>			

**Additional Detail(s) (Map)**

<b>Bore Hole ID:</b>	1009052413	<b>Tag No:</b>	A331679
<b>Depth M:</b>		<b>Contractor:</b>	7675
<b>Year Completed:</b>	2022	<b>Latitude:</b>	45.3454363225597
<b>Well Completed Dt:</b>	05/12/2022	<b>Longitude:</b>	-75.9191061915986
<b>Audit No:</b>	C48396	<b>Y:</b>	45.345436316525074
<b>Path:</b>		<b>X:</b>	-75.91910603018418

**Bore Hole Information**

<b>Bore Hole ID:</b>	1009052413	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427997.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021736.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	05/12/2022	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

<u>3</u>	1 of 1	NW/19.7	80.8 / -1.03	600 March Road Kanata ON K2K 2T6	EHS
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<b>Order No:</b>	22010600440	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	Kanata
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	18-JAN-22	<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	06-JAN-22	<b>X:</b>	-75.92100813
<b>Previous Site Name:</b>		<b>Y:</b>	45.34752135
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>	City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB																																																																																
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<table border="0"> <tr> <td><b>Bore Hole ID:</b></td> <td>10025388</td> <td><b>Elevation:</b></td> <td></td> </tr> <tr> <td><b>DP2BR:</b></td> <td></td> <td><b>Elevrc:</b></td> <td></td> </tr> <tr> <td><b>Spatial Status:</b></td> <td></td> <td><b>Zone:</b></td> <td>18</td> </tr> <tr> <td><b>Code OB:</b></td> <td></td> <td><b>East83:</b></td> <td>427730.60</td> </tr> <tr> <td><b>Code OB Desc:</b></td> <td></td> <td><b>North83:</b></td> <td>5021887.00</td> </tr> <tr> <td><b>Open Hole:</b></td> <td></td> <td><b>Org CS:</b></td> <td></td> </tr> <tr> <td><b>Cluster Kind:</b></td> <td></td> <td><b>UTMRC:</b></td> <td>9</td> </tr> <tr> <td><b>Date Completed:</b></td> <td>11/20/1952</td> <td><b>UTMRC Desc:</b></td> <td>unknown UTM</td> </tr> <tr> <td><b>Remarks:</b></td> <td></td> <td><b>Location Method:</b></td> <td>p9</td> </tr> <tr> <td><b>Location Method Desc:</b></td> <td colspan="3">Original Pre1985 UTM Rel Code 9: unknown UTM</td> </tr> <tr> <td><b>Elevrc Desc:</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Location Source Date:</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Improvement Location Source:</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Improvement Location Method:</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Source Revision Comment:</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Supplier Comment:</b></td> <td></td> <td></td> <td></td> </tr> </table>						<b>Bore Hole ID:</b>	10025388	<b>Elevation:</b>		<b>DP2BR:</b>		<b>Elevrc:</b>		<b>Spatial Status:</b>		<b>Zone:</b>	18	<b>Code OB:</b>		<b>East83:</b>	427730.60	<b>Code OB Desc:</b>		<b>North83:</b>	5021887.00	<b>Open Hole:</b>		<b>Org CS:</b>		<b>Cluster Kind:</b>		<b>UTMRC:</b>	9	<b>Date Completed:</b>	11/20/1952	<b>UTMRC Desc:</b>	unknown UTM	<b>Remarks:</b>		<b>Location Method:</b>	p9	<b>Location Method Desc:</b>	Original Pre1985 UTM Rel Code 9: unknown UTM			<b>Elevrc Desc:</b>				<b>Location Source Date:</b>				<b>Improvement Location Source:</b>				<b>Improvement Location Method:</b>				<b>Source Revision Comment:</b>				<b>Supplier Comment:</b>																			
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<b>Layer:</b>	2																																																																																				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		18			
<b>Material 1 Desc:</b>		SANDSTONE			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		5.0			
<b>Formation End Depth:</b>		40.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930996630			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		5.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961503345			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573958			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043528			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		9.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043529			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Depth From:</b>					
<b>Depth To:</b> 40.0					
<b>Casing Diameter:</b> 2.0					
<b>Casing Diameter UOM:</b> inch					
<b>Casing Depth UOM:</b> ft					
<b>Results of Well Yield Testing</b>					
<b>Pumping Test Method Desc:</b> PUMP					
<b>Pump Test ID:</b> 991503345					
<b>Pump Set At:</b>					
<b>Static Level:</b> 20.0					
<b>Final Level After Pumping:</b> 30.0					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b> 7.0					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b> ft					
<b>Rate UOM:</b> GPM					
<b>Water State After Test Code:</b> 1					
<b>Water State After Test:</b> CLEAR					
<b>Pumping Test Method:</b> 1					
<b>Pumping Duration HR:</b> 2					
<b>Pumping Duration MIN:</b> 0					
<b>Flowing:</b> No					
<b>Water Details</b>					
<b>Water ID:</b> 933456239					
<b>Layer:</b> 1					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 38.0					
<b>Water Found Depth UOM:</b> ft					

5      1 of 7      SE/61.8      80.2 / -1.69      Legget Drive Development Inc.  
500 March Rd      ECA  
Ottawa ON K1P 6E2

**Approval No:** 0623-9SKM34      **MOE District:**  
**Approval Date:** 2015-01-13      **City:**  
**Status:** Approved      **Longitude:**  
**Record Type:** ECA      **Latitude:**  
**Link Source:** IDS      **Geometry X:**  
**SWP Area Name:**      **Geometry Y:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Legget Drive Development Inc.  
**Address:** 500 March Rd  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/7712-9RMMU6-14.pdf>  
**PDF Site Location:**

5      2 of 7      SE/61.8      80.2 / -1.69      Sanmina Corporation      GEN  
500 March Road  
Ottawa ON K2K 0J9

**Generator No:** ON5466737  
**SIC Code:** 334410  
**SIC Description:** SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING  
**Approval Years:** 2016  
**PO Box No:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Country:</b>		Canada			
<b>Status:</b>					
<b>Co Admin:</b>		Emma Mason			
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>		613-886-6192 Ext.			
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		262			
<b>Waste Class Name:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b><u>5</u></b>	<b>3 of 7</b>	<b>SE/61.8</b>	<b>80.2 / -1.69</b>	<b>Sanmina Corporation 500 March Road Ottawa ON K2K 0J9</b>	<b>GEN</b>
<b>Generator No:</b>		ON5466737			
<b>SIC Code:</b>		334410			
<b>SIC Description:</b>		SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING			
<b>Approval Years:</b>		2015			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>					
<b>Co Admin:</b>		Jessica Major			
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>		613-886-6328 Ext.			
<b>Contaminated Facility:</b>		No			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		262			
<b>Waste Class Name:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			

<b><u>5</u></b>	<b>4 of 7</b>	<b>SE/61.8</b>	<b>80.2 / -1.69</b>	<b>Sanmina Corporation 500 March Road Ottawa ON K2K 0J9</b>	<b>GEN</b>
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**Generator No:** ON5466737  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2018  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 112 C

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 B			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		148 T			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		232 I			
<b>Waste Class Name:</b>		Polymeric resins			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		253 L			
<b>Waste Class Name:</b>		Emulsified oils			
<b>Waste Class:</b>		262 T			
<b>Waste Class Name:</b>		Detergents and soaps			
<b>Waste Class:</b>		263 C			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		263 L			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			

**5**

**5 of 7**

**SE/61.8**

**80.2 / -1.69**

**Sanmina Corporation  
500 March Road  
Ottawa ON K2K 0J9**

**GEN**

**Generator No:**  
**SIC Code:**  
**SIC Description:**  
**Approval Years:**  
**PO Box No:**

ON5466737  
  
  
As of Jul 2020

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 C			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 B			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		263 L			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		253 L			
<b>Waste Class Name:</b>		Emulsified oils			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		148 T			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		262 T			
<b>Waste Class Name:</b>		Detergents and soaps			
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		232 I			
<b>Waste Class Name:</b>		Polymeric resins			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		212 L			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Waste Class Name:** Aliphatic solvents and residues

<a href="#"><u>5</u></a>	6 of 7	<b>SE/61.8</b>	<b>80.2 / -1.69</b>	<b>Sanmina Corporation 500 March Road Ottawa ON K2K 0J9</b>	<b>GEN</b>
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**Generator No:** ON5466737  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Nov 2021  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 146 R  
**Waste Class Name:** Other specified inorganic sludges, slurries or solids

**Waste Class:** 148 T  
**Waste Class Name:** Misc. wastes and inorganic chemicals

**Waste Class:** 112 C  
**Waste Class Name:** Acid solutions - containing heavy metals

**Waste Class:** 263 I  
**Waste Class Name:** Misc. waste organic chemicals

**Waste Class:** 121 C  
**Waste Class Name:** Alkaline slutions - containing heavy metals

**Waste Class:** 263 C  
**Waste Class Name:** Misc. waste organic chemicals

**Waste Class:** 331 I  
**Waste Class Name:** Waste compressed gases including cylinders

**Waste Class:** 148 C  
**Waste Class Name:** Misc. wastes and inorganic chemicals

**Waste Class:** 148 B  
**Waste Class Name:** Misc. wastes and inorganic chemicals

**Waste Class:** 212 I  
**Waste Class Name:** Aliphatic solvents and residues

**Waste Class:** 252 L  
**Waste Class Name:** Waste crankcase oils and lubricants

**Waste Class:** 212 L  
**Waste Class Name:** Aliphatic solvents and residues

**Waste Class:** 232 I  
**Waste Class Name:** Polymeric resins

**Waste Class:** 146 T  
**Waste Class Name:** Other specified inorganic sludges, slurries or solids

**Waste Class:** 312 P

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class Name:</b>		Pathological wastes			
<b>Waste Class:</b>		253 L			
<b>Waste Class Name:</b>		Emulsified oils			
<b>Waste Class:</b>		263 L			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		262 T			
<b>Waste Class Name:</b>		Detergents and soaps			

<u>5</u>	7 of 7	<b>SE/61.8</b>	<b>80.2 / -1.69</b>	<b>Sanmina Corporation 500 March Road Ottawa ON K2K 0J9</b>	<b>GEN</b>
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**Generator No:** ON5466737  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Oct 2022  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 263 I  
**Waste Class Name:** ORGANIC LABORATORY CHEMICALS

**Waste Class:** 212 I  
**Waste Class Name:** ALIPHATIC SOLVENTS

**Waste Class:** 148 T  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 212 L  
**Waste Class Name:** ALIPHATIC SOLVENTS

**Waste Class:** 148 B  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 232 I  
**Waste Class Name:** POLYMERIC RESINS

**Waste Class:** 121 C  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS

**Waste Class:** 331 I  
**Waste Class Name:** WASTE COMPRESSED GASES

**Waste Class:** 146 R  
**Waste Class Name:** OTHER SPECIFIED INORGANICS

**Waste Class:** 112 C  
**Waste Class Name:** ACID WASTE - HEAVY METALS

**Waste Class:** 312 P

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		253 L			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		263 L			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		262 T			
<b>Waste Class Name:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		263 C			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<a href="#">6</a>	1 of 4	SE/63.3	79.9 / -2.00	510-528 March Road Kanata ON	EHS
<b>Order No:</b>	20061012005			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	10/20/2006			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	10/12/2006			<b>X:</b>	-75.917957
<b>Previous Site Name:</b>				<b>Y:</b>	45.344121
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps And /or Site Plans				
<a href="#">6</a>	2 of 4	SE/63.3	79.9 / -2.00	528 March Road Ottawa ON	EHS
<b>Order No:</b>	20140416041			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-14			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	16-APR-14			<b>X:</b>	-75.917765
<b>Previous Site Name:</b>				<b>Y:</b>	45.344926
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">6</a>	3 of 4	SE/63.3	79.9 / -2.00	SCI BROCKVILLE CORP. 528 MARCH KANATA ON	EASR
<b>Approval No:</b>	R-002-4521547225			<b>MOE District:</b>	
<b>Status:</b>	Registered			<b>Municipality:</b>	KANATA
<b>Date:</b>	8/25/15			<b>Latitude:</b>	
<b>Record Type:</b>				<b>Longitude:</b>	
<b>Link Source:</b>				<b>Geometry X:</b>	
<b>Project Type:</b>	Standby Power System			<b>Geometry Y:</b>	
<b>Full Address:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Type:</b> <b>SWP Area Name:</b> <b>PDF NAICS Code:</b> <b>PDF URL:</b> <b>PDF Site Location:</b>					
<a href="#">6</a>	4 of 4	SE/63.3	79.9 / -2.00	SCI BROCKVILLE CORP. 528 MARCH RD KANATA ON K2K 2M5	EASR
<b>Approval No:</b> R-002-4521547225 <b>Status:</b> REGISTERED <b>Date:</b> 2015-08-25 <b>Record Type:</b> EASR <b>Link Source:</b> MOFA <b>Project Type:</b> Standby Power System <b>Full Address:</b> <b>Approval Type:</b> EASR-Standby Power System <b>SWP Area Name:</b> <b>PDF NAICS Code:</b> <b>PDF URL:</b> <b>PDF Site Location:</b>		<b>MOE District:</b> <b>Municipality:</b> KANATA <b>Latitude:</b> <b>Longitude:</b> <b>Geometry X:</b> <b>Geometry Y:</b>			
<a href="#">7</a>	1 of 16	NNE/64.0	79.6 / -2.27	535 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b> 20100311004 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 3/19/2010 <b>Date Received:</b> 3/11/2010 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> City Directory		<b>Nearest Intersection:</b> Legget Drive and Terry Fox Drive <b>Municipality:</b> Kanata <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.919057 <b>Y:</b> 45.347895			
<a href="#">7</a>	2 of 16	NNE/64.0	79.6 / -2.27	Nortel Networks Corporation 535 Legget Drive Ottawa ON	CA
<b>Certificate #:</b> 4854-5GZU2U <b>Application Year:</b> 2002 <b>Issue Date:</b> 12/20/2002 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">7</a>	3 of 16	NNE/64.0	79.6 / -2.27	Kanata Research Park Corporation 535 Legget Drive Ottawa ON	CA
<b>Certificate #:</b> 5182-5M9TGN <b>Application Year:</b> 2003					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
<b>Issue Date:</b> <b>Approval Type:</b> <b>Status:</b> <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>		5/8/2003	Air	Approved		
<a href="#">7</a>	4 of 16	<b>NNE/64.0</b>	<b>79.6 / -2.27</b>	<b>Mead Johnson Nutritionals</b> <b>535 Legget Dr Unit 900</b> <b>Kanata ON K2K 3B8</b>	<b>SCT</b>	
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-AUG-07				
<b>--Details--</b>						
<b>Description:</b>		Other Specialty-Line Food Wholesaler-Distributors				
<b>SIC/NAICS Code:</b>		413190				
<b>Description:</b>		Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors				
<b>SIC/NAICS Code:</b>		414510				
<b>Description:</b>		Toiletries, Cosmetics and Sundries Wholesaler-Distributors				
<b>SIC/NAICS Code:</b>		414520				
<b>Description:</b>		Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors				
<b>SIC/NAICS Code:</b>		414510				
<a href="#">7</a>	5 of 16	<b>NNE/64.0</b>	<b>79.6 / -2.27</b>	<b>PIKA Technologies Inc.</b> <b>535 Legget Dr Suite 400</b> <b>Kanata ON K2K 3B8</b>	<b>SCT</b>	
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>						
<b>--Details--</b>						
<b>Description:</b>		Computer Systems Design and Related Services				
<b>SIC/NAICS Code:</b>		541510				
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing				
<b>SIC/NAICS Code:</b>		334110				
<a href="#">7</a>	6 of 16	<b>NNE/64.0</b>	<b>79.6 / -2.27</b>	<b>Solace Systems Inc.</b> <b>535 Legget Dr Floor 3</b> <b>Kanata ON K2K 3B8</b>	<b>SCT</b>	
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>						
<b>--Details--</b>						
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Computer, Computer Peripheral and Pre-Packaged Software Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417310			

<u>7</u>	7 of 16	NNE/64.0	79.6 / -2.27	KANATA RESEARCH PARK 535 LEGGET Drive KANATA ON K2K3B8	NPRI
<b>NPRI ID:</b>	8800000227			<b>Org ID:</b>	
<b>Other ID:</b>				<b>Submit Date:</b>	
<b>No Other ID:</b>				<b>Last Modified:</b>	
<b>Track ID:</b>				<b>Contact ID:</b>	
<b>Report ID:</b>				<b>Cont Type:</b>	MED
<b>Report Type:</b>				<b>Contact Title:</b>	
<b>Rpt Type ID:</b>				<b>Cont First Name:</b>	
<b>Report Year:</b>	2004			<b>Cont Last Name:</b>	
<b>Not-Current Rpt?:</b>				<b>Contact Position:</b>	
<b>Yr of Last Filed Rpt:</b>				<b>Contact Fax:</b>	
<b>Fac ID:</b>				<b>Contact Ph.:</b>	
<b>Fac Name:</b>	TOWER C			<b>Cont Area Code:</b>	
<b>Fac Address1:</b>				<b>Contact Tel.:</b>	
<b>Fac Address2:</b>				<b>Contact Ext.:</b>	
<b>Fac Postal Zip:</b>				<b>Cont Fax Area Cde:</b>	
<b>Facility Lat:</b>				<b>Contact Fax:</b>	
<b>Facility Long:</b>				<b>Contact Email:</b>	
<b>DLS (Last Filed Rpt):</b>				<b>Latitude:</b>	
<b>Facility DLS:</b>				<b>Longitude:</b>	
<b>Datum:</b>				<b>UTM Zone:</b>	
<b>Facility Cmnts:</b>				<b>UTM Northing:</b>	
<b>URL:</b>				<b>UTM Easting:</b>	
<b>No of Empl.:</b>	65			<b>Waste Streams:</b>	
<b>Parent Co.:</b>				<b>No Streams:</b>	
<b>No Parent Co.:</b>				<b>Waste Off Sites:</b>	
<b>Pollut Prev Cmnts:</b>				<b>No Off Sites:</b>	
<b>Stacks:</b>				<b>Shutdown:</b>	
<b>No of Stacks:</b>				<b>No of Shutdown:</b>	
<b>Canadian SIC Code (2 digit):</b>					
<b>Canadian SIC Code:</b>					
<b>SIC Code Description:</b>					
<b>American SIC Code:</b>					
<b>NAICS Code (2 digit):</b>	53				
<b>NAICS 2 Description:</b>	Real Estate and Rental and Leasing				
<b>NAICS Code (4 digit):</b>	5311				
<b>NAICS 4 Description:</b>	Lessors of Real Estate				
<b>NAICS Code (6 digit):</b>	531120				
<b>NAICS 6 Description:</b>	Lessors of Non-Residential Buildings (except Mini-Warehouses)				

**Substance Release Report**

<b>CAS No:</b>	10024-97-2
<b>Report ID:</b>	
<b>Rpt Period:</b>	2004
<b>Subst Released:</b>	Nitrous oxide
<b>Air:</b>	
<b>Water:</b>	
<b>Land:</b>	
<b>Total Releases:</b>	
<b>Units:</b>	tonnes
<b>CAS No:</b>	10102-43-9
<b>Report ID:</b>	
<b>Rpt Period:</b>	2004

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Subst Released:</b>		Oxides of nitrogen (expressed as NO)			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		74-82-8			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Methane			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M16			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Volatile Organic Compounds (VOCs)			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		630-08-0			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Carbon monoxide			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		124-38-9			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Carbon dioxide			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		811-97-2			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		HFC-134a Hydrofluorocarbon			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M09			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM10 - Particulate Matter <= 10 Microns			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
CAS No:		NA - M10			
Report ID:					
Rpt Period:		2004			
Subst Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		7446-09-5			
Report ID:					
Rpt Period:		2004			
Subst Released:		Sulphur dioxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		NA - M08			
Report ID:					
Rpt Period:		2004			
Subst Released:		PM - Total Particulate Matter			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			

7 8 of 16 NNE/64.0 79.6 / -2.27 Kanata Research Park Corporation ECA  
535 Legget Drive  
Ottawa ON K2K 2X3

Approval No: 8125-4MTJ36 MOE District: Ottawa  
Approval Date: 2001-03-29 City:  
Status: Revoked and/or Replaced Longitude: -75.918846  
Record Type: ECA Latitude: 45.348034  
Link Source: IDS Geometry X:  
SWP Area Name: Mississippi Valley Geometry Y:  
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS  
Business Name: Kanata Research Park Corporation  
Address: 535 Legget Drive  
Full Address:  
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8015-4UUK67-14.pdf>  
PDF Site Location:

7 9 of 16 NNE/64.0 79.6 / -2.27 Nortel Networks Corporation ECA  
535 Legget Drive  
Ottawa ON K2H 8E9

Approval No: 4854-5GZU2U MOE District: Ottawa  
Approval Date: 2002-12-20 City:  
Status: Approved Longitude: -75.918846  
Record Type: ECA Latitude: 45.348034  
Link Source: IDS Geometry X:  
SWP Area Name: Mississippi Valley Geometry Y:  
Approval Type: ECA-AIR  
Project Type: AIR  
Business Name: Nortel Networks Corporation  
Address: 535 Legget Drive

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0863-5DAQUM-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0863-5DAQUM-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">7</a>	10 of 16	NNE/64.0	79.6 / -2.27	<b>Kanata Research Park Corporation</b> 535 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b> 5816-5ALKNH <b>Approval Date:</b> 2002-05-30 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> Kanata Research Park Corporation <b>Address:</b> 535 Legget Drive <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8364-59NNET-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8364-59NNET-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">7</a>	11 of 16	NNE/64.0	79.6 / -2.27	<b>Kanata Research Park Corporation</b> 535 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b> 8125-4MTJ36 <b>Approval Date:</b> 2001-02-06 <b>Status:</b> Revoked and/or Replaced <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> Kanata Research Park Corporation <b>Address:</b> 535 Legget Drive <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5568-4R5PGT-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5568-4R5PGT-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">7</a>	12 of 16	NNE/64.0	79.6 / -2.27	<b>Kanata Research Park Corporation</b> 535 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b> 5182-5M9TGN <b>Approval Date:</b> 2003-05-08 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> Kanata Research Park Corporation <b>Address:</b> 535 Legget Drive <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2856-5DMHSA-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2856-5DMHSA-14.pdf</a> <b>PDF Site Location:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>7</u>	13 of 16	NNE/64.0	79.6 / -2.27	Intel of Canada, Ltd. 535 Legget Drive Suite 206 Kanata ON K2K 3B8	GEN
<b>Generator No:</b>		ON6268256			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Nov 2021			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			

<u>7</u>	14 of 16	NNE/64.0	79.6 / -2.27	Mead Johnson Nutrition (Canada) Co. 900-535 Legget Drive Kanata ON K2K3B8	GEN
<b>Generator No:</b>		ON4694482			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Oct 2022			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			

<u>7</u>	15 of 16	NNE/64.0	79.6 / -2.27	535 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>		20200513064		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		19-MAY-20		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		13-MAY-20		<b>X:</b> -75.9192125	
<b>Previous Site Name:</b>				<b>Y:</b> 45.3478896	
<b>Lot/Building Size:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Additional Info Ordered:</b>		Fire Insur. Maps and/or Site Plans			
<a href="#"><u>7</u></a>	16 of 16	<b>NNE/64.0</b>	<b>79.6 / -2.27</b>	<b>PE5413 - 535 Legget Drive Kanata ON K2K 2W2</b>	<b>EHS</b>
<b>Order No:</b>	21081600157	<b>Nearest Intersection:</b>			
<b>Status:</b>	C	<b>Municipality:</b>			
<b>Report Type:</b>	Standard Report	<b>Client Prov/State:</b>		ON	
<b>Report Date:</b>	19-AUG-21	<b>Search Radius (km):</b>		.25	
<b>Date Received:</b>	16-AUG-21	<b>X:</b>		-75.9164626	
<b>Previous Site Name:</b>		<b>Y:</b>		45.3491336	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#"><u>8</u></a>	1 of 2	<b>W/77.7</b>	<b>83.8 / 1.92</b>	<b>CAPRICORN DATA 525 MARCH RD RR 33 KANATA ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>	1986				
<b>Plant Size (ft²):</b>	3000				
<b>Employment:</b>	5				
<b>--Details--</b>					
<b>Description:</b>	CARBON PAPER AND INKED RIBBONS				
<b>SIC/NAICS Code:</b>	3955				
<b>Description:</b>	All Other Miscellaneous Chemical Product Manufacturing				
<b>SIC/NAICS Code:</b>	325999				
<a href="#"><u>8</u></a>	2 of 2	<b>W/77.7</b>	<b>83.8 / 1.92</b>	<b>Capricorn Data Inc. 525 March Rd Kanata ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>	1986				
<b>Plant Size (ft²):</b>	3000				
<b>Employment:</b>	5				
<b>--Details--</b>					
<b>Description:</b>	All Other Miscellaneous Chemical Product Manufacturing				
<b>SIC/NAICS Code:</b>	325999				
<a href="#"><u>9</u></a>	1 of 1	<b>NNE/79.7</b>	<b>79.3 / -2.62</b>	<b>Kanata Research Park Corporation Kanata Research Park Kanata ON K2K 2X3</b>	<b>ECA</b>
<b>Approval No:</b>	8125-4MTJ36	<b>MOE District:</b>		Ottawa	
<b>Approval Date:</b>	2002-05-30	<b>City:</b>			
<b>Status:</b>	Revoked and/or Replaced	<b>Longitude:</b>		-75.918846	
<b>Record Type:</b>	ECA	<b>Latitude:</b>		45.348034	
<b>Link Source:</b>	IDS	<b>Geometry X:</b>			
<b>SWP Area Name:</b>	Mississippi Valley	<b>Geometry Y:</b>			
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Business Name:</b>	Kanata Research Park Corporation				
<b>Address:</b>	Kanata Research Park				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6185-4MFKX7-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6185-4MFKX7-14.pdf</a>				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>PDF Site Location:</i>					
<a href="#">10</a>	1 of 5	SSW/95.1	82.9 / 1.00	Texas Instruments Canada Ltd. 505 March Rd Suite 200 Ottawa ON K2K 3A4	SCT
<i>Established:</i>		1962			
<i>Plant Size (ft²):</i>					
<i>Employment:</i>		21			
<i>--Details--</i>					
<i>Description:</i>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
<i>SIC/NAICS Code:</i>		417320			
<a href="#">10</a>	2 of 5	SSW/95.1	82.9 / 1.00	505 March Road Ottawa ON	EHS
<i>Order No:</i>		20050314003w	<i>Nearest Intersection:</i>		
<i>Status:</i>		C	<i>Municipality:</i>		
<i>Report Type:</i>			<i>Client Prov/State:</i> MA		
<i>Report Date:</i>		3/14/2005 10:08:25 AM	<i>Search Radius (km):</i> 0.25		
<i>Date Received:</i>		3/14/2005 10:08:25 AM	<i>X:</i> 0		
<i>Previous Site Name:</i>			<i>Y:</i> 0		
<i>Lot/Building Size:</i>					
<i>Additional Info Ordered:</i>					
<a href="#">10</a>	3 of 5	SSW/95.1	82.9 / 1.00	Texas Instruments Canada Ltd. 505 March Rd Suite 200 Kanata ON K2K 3A4	SCT
<i>Established:</i>		01-AUG-62			
<i>Plant Size (ft²):</i>					
<i>Employment:</i>					
<i>--Details--</i>					
<i>Description:</i>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
<i>SIC/NAICS Code:</i>		417320			
<a href="#">10</a>	4 of 5	SSW/95.1	82.9 / 1.00	Telus Health Solutions Inc. 505 March Rd Suite 450 Kanata ON K2K 3A4	SCT
<i>Established:</i>					
<i>Plant Size (ft²):</i>					
<i>Employment:</i>					
<i>--Details--</i>					
<i>Description:</i>		Computer Systems Design and Related Services			
<i>SIC/NAICS Code:</i>		541510			
<i>Description:</i>		Software Publishers			
<i>SIC/NAICS Code:</i>		511210			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">10</a>	5 of 5	SSW/95.1	82.9 / 1.00	Colonnade Management<UNOFFICIAL> 505 March Road Ottawa ON K2K 3A4	SPL
<p> <b>Ref No:</b> 7635-8J2NEM  <b>Year:</b>  <b>Incident Dt:</b> 6/19/2011  <b>Dt MOE Arvl on Scn:</b>  <b>MOE Reported Dt:</b> 6/21/2011  <b>Dt Document Closed:</b> 12/3/2011  <b>Site No:</b>  <b>MOE Response:</b> No Field Response  <b>Site County/District:</b>  <b>Site Geo Ref Meth:</b>  <b>Site District Office:</b>  <b>Nearest Watercourse:</b>  <b>Site Name:</b> circuit #2&lt;UNOFFICIAL&gt;  <b>Site Address:</b> 505 March Road  <b>Site Region:</b>  <b>Site Municipality:</b> Ottawa  <b>Site Lot:</b>  <b>Site Conc:</b>  <b>Site Geo Ref Accu:</b>  <b>Site Map Datum:</b>  <b>Northing:</b>  <b>Easting:</b>  <b>Incident Cause:</b> Discharge or Emission to Air  <b>Incident Preceding Spill:</b>  <b>Environment Impact:</b> Not Anticipated  <b>Health Env Consequence:</b>  <b>Nature of Impact:</b>  <b>Contaminant Qty:</b> 41 kg  <b>System Facility Address:</b>  <b>Client Name:</b> Colonnade Management&lt;UNOFFICIAL&gt;  <b>Client Type:</b>  <b>Source Type:</b>  <b>Contaminant Code:</b> 38  <b>Contaminant Name:</b> REFRIGERANT GAS, N.O.S.  <b>Contaminant Limit 1:</b>  <b>Contam Limit Freq 1:</b>  <b>Contaminant UN No 1:</b>  <b>Receiving Medium:</b> Sewage - Municipal/Private and Commercial  <b>Incident Reason:</b>  <b>Incident Summary:</b> Kanata North Tech Park: 90 lbs R407C to atm  <b>Activity Preceding Spill:</b>  <b>Property 2nd Watershed:</b>  <b>Property Tertiary Watershed:</b>  <b>Sector Type:</b> Other  <b>SAC Action Class:</b> Air Spills - Gases and Vapours  <b>Call Report Locatn Geodata:</b> </p>					
<a href="#">11</a>	1 of 1	W/96.5	84.9 / 3.00	lot 9 con 3 ON	WWIS
<p> <b>Well ID:</b> 1503344  <b>Construction Date:</b>  <b>Use 1st:</b> Domestic  <b>Use 2nd:</b> 0  <b>Final Well Status:</b> Water Supply  <b>Water Type:</b>  <b>Casing Material:</b>  <b>Audit No:</b>  <b>Tag:</b>  <b>Constructn Method:</b> </p> <p> <b>Flowing (Y/N):</b>  <b>Flow Rate:</b>  <b>Data Entry Status:</b>  <b>Data Src:</b> 1  <b>Date Received:</b> 07/06/1964  <b>Selected Flag:</b> TRUE  <b>Abandonment Rec:</b>  <b>Contractor:</b> 1503  <b>Form Version:</b> 1  <b>Owner:</b> </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	009
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		MARCH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503344.pdf			

**Additional Detail(s) (Map)**

**Well Completed Date:** 05/28/1964  
**Year Completed:** 1964  
**Depth (m):** 17.0688  
**Latitude:** 45.3466282973595  
**Longitude:** -75.923100538294  
**X:** -75.92310037689158  
**Y:** 45.346628290556055  
**Path:** 150\1503344.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025387	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427685.60
<b>Code OB Desc:</b>		<b>North83:</b>	5021872.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	05/28/1964	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Location Method Desc:</b>	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996629  
**Layer:** 2  
**Color:**  
**General Color:**  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 56.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		930996628			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		2.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503344			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573957			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043526			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		17.0			
<b>Casing Diameter:</b>		5.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043527			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		56.0			
<b>Casing Diameter:</b>		5.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>		PUMP			
<b>Pump Test ID:</b>		991503344			
<b>Pump Set At:</b>					
<b>Static Level:</b>		11.0			
<b>Final Level After Pumping:</b>		12.0			
<b>Recommended Pump Depth:</b>		40.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pumping Rate:</b> <b>Flowing Rate:</b> <b>Recommended Pump Rate:</b> <b>Levels UOM:</b> <b>Rate UOM:</b> <b>Water State After Test Code:</b> <b>Water State After Test:</b> <b>Pumping Test Method:</b> <b>Pumping Duration HR:</b> <b>Pumping Duration MIN:</b> <b>Flowing:</b>		10.0			
<b>Water ID:</b> <b>Layer:</b> <b>Kind Code:</b> <b>Kind:</b> <b>Water Found Depth:</b> <b>Water Found Depth UOM:</b>		933456238			
<a href="#">12</a>	1 of 2	S/100.4	80.8 / -1.08	Trend Micro, Inc. 40 Hines Rd Suite 200 Kanata ON K2K 2M5	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-AUG-98			
<b>--Details--</b> <b>Description:</b> <b>SIC/NAICS Code:</b>		Software Publishers 511210			
<b>Description:</b> <b>SIC/NAICS Code:</b>		Computer Systems Design and Related Services 541510			
<b>Description:</b> <b>SIC/NAICS Code:</b>		Manufacturing and Reproducing Magnetic and Optical Media 334610			
<a href="#">12</a>	2 of 2	S/100.4	80.8 / -1.08	KRP Properties 40 Hines Road Ottawa ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON5372742			
<b>As of Dec 2018</b>					
<b>Canada</b> <b>Registered</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b> <b>Waste Class Name:</b>		146 T Other specified inorganic sludges, slurries or solids			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">13</a>	1 of 11	ENE/115.5	78.7 / -3.14	Open Text Corporation 515 Legget Dr Suite 300 Kanata ON K2K 3G4	SCT
<b>Established:</b>		1983			
<b>Plant Size (ft²):</b>		19000			
<b>Employment:</b>		55			
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<a href="#">13</a>	2 of 11	ENE/115.5	78.7 / -3.14	Ubiquity Software Corp. 515 Legget Dr Suite 400 Ottawa ON K2K 3G4	SCT
<b>Established:</b>		1993			
<b>Plant Size (ft²):</b>		90			
<b>Employment:</b>		90			
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">13</a>	3 of 11	ENE/115.5	78.7 / -3.14	Kanata Research Park Corporation 515 Legget drive Ottawa ON	SPL
<b>Ref No:</b>		8118-7LCLK2		<b>Municipality No:</b>	
<b>Year:</b>				<b>Nature of Damage:</b>	
<b>Incident Dt:</b>				<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Material Group:</b>	
<b>MOE Reported Dt:</b>		11/13/2008		<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>		11/26/2008		<b>Agency Involved:</b>	
<b>Site No:</b>					
<b>MOE Response:</b>		Referral to others			
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Site District Office:</b>		Ottawa			
<b>Nearest Watercourse:</b>					
<b>Site Name:</b>		Kanata Research Park Corp<UNOFFICIAL>			
<b>Site Address:</b>					
<b>Site Region:</b>					
<b>Site Municipality:</b>		Ottawa			
<b>Site Lot:</b>					
<b>Site Conc:</b>					
<b>Site Geo Ref Accu:</b>					
<b>Site Map Datum:</b>					
<b>Northing:</b>					
<b>Easting:</b>					
<b>Incident Cause:</b>		Unknown			
<b>Incident Preceding Spill:</b>					
<b>Environment Impact:</b>		Not Anticipated			
<b>Health Env Consequence:</b>					
<b>Nature of Impact:</b>					
<b>Contaminant Qty:</b>		other - see incident description			
<b>System Facility Address:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Client Name:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> <b>Incident Reason:</b> <b>Incident Summary:</b> <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b>		Kanata Research Park Corporation  13 DIESEL FUEL     Unknown - Reason not determined Kanata Research Park, Diesel to Grnd cln    Other Land Spills			
<a href="#">13</a>	4 of 11	ENE/115.5	78.7 / -3.14	<b>Kanata Research Park Corporation 515 Legget Drive Ottawa ON</b>	CA
<b>Certificate #:</b> <b>Application Year:</b> <b>Issue Date:</b> <b>Approval Type:</b> <b>Status:</b> <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>		2275-5HUU47 2003 1/18/2003 Air Approved            			
<a href="#">13</a>	5 of 11	ENE/115.5	78.7 / -3.14	<b>Quest Software Canada Inc. 515 Legget Dr Suite 1001 Kanata ON K2K 3G4</b>	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>  <b>--Details--</b> <b>Description:</b> <b>SIC/NAICS Code:</b>  <b>Description:</b> <b>SIC/NAICS Code:</b>		01-APR-87    Computer Systems Design and Related Services 541510  Software Publishers 511210			
<a href="#">13</a>	6 of 11	ENE/115.5	78.7 / -3.14	<b>515 LEGGET DRIVE KANATA ON</b>	HINC
<b>External File Num:</b> <b>Fuel Occurrence Type:</b> <b>Date of Occurrence:</b> <b>Fuel Type Involved:</b> <b>Status Desc:</b> <b>Job Type Desc:</b>		FS INC 0811-07034 Leak 11/13/2008 Fuel Oil Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS)			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Oper. Type Involved:</b>		Commercial (e.g. restaurant, business unit, etc)			
<b>Service Interruptions:</b>		No			
<b>Property Damage:</b>		No			
<b>Fuel Life Cycle Stage:</b>		Utilization			
<b>Root Cause:</b>		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes Training:Yes Management:No Human Factors:Yes			
<b>Reported Details:</b>					
<b>Fuel Category:</b>		Liquid Fuel			
<b>Occurrence Type:</b>		Incident			
<b>Affiliation:</b>		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
<b>County Name:</b>		Ottawa			
<b>Approx. Quant. Rel:</b>					
<b>Nearby body of water:</b>					
<b>Enter Drainage Syst.:</b>					
<b>Approx. Quant. Unit:</b>					
<b>Environmental Impact:</b>					

[13](#)      7 of 11      **ENE/115.5**      **78.7 / -3.14**      **515 Legget Drive  
Ottawa ON**      **EHS**

<b>Order No:</b>	20120116006	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	1/20/2012	<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	1/16/2012 11:23:28 AM	<b>X:</b>	-75.91645
<b>Previous Site Name:</b>		<b>Y:</b>	45.346799
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>			

[13](#)      8 of 11      **ENE/115.5**      **78.7 / -3.14**      **KANATA RESEARCH PARK  
515 LEGGET Drive  
KANATA ON K2K3G4**      **NPRI**

<b>NPRI ID:</b>	8800000228	<b>Org ID:</b>	
<b>Other ID:</b>		<b>Submit Date:</b>	
<b>No Other ID:</b>		<b>Last Modified:</b>	
<b>Track ID:</b>		<b>Contact ID:</b>	
<b>Report ID:</b>		<b>Cont Type:</b>	MED
<b>Report Type:</b>		<b>Contact Title:</b>	
<b>Rpt Type ID:</b>		<b>Cont First Name:</b>	
<b>Report Year:</b>	2004	<b>Cont Last Name:</b>	
<b>Not-Current Rpt?:</b>		<b>Contact Position:</b>	
<b>Yr of Last Filed Rpt:</b>		<b>Contact Fax:</b>	
<b>Fac ID:</b>		<b>Contact Ph.:</b>	
<b>Fac Name:</b>	TOWER D	<b>Cont Area Code:</b>	
<b>Fac Address1:</b>		<b>Contact Tel.:</b>	
<b>Fac Address2:</b>		<b>Contact Ext.:</b>	
<b>Fac Postal Zip:</b>		<b>Cont Fax Area Cde:</b>	
<b>Facility Lat:</b>		<b>Contact Fax:</b>	
<b>Facility Long:</b>		<b>Contact Email:</b>	
<b>DLS (Last Filed Rpt):</b>		<b>Latitude:</b>	
<b>Facility DLS:</b>		<b>Longitude:</b>	
<b>Datum:</b>		<b>UTM Zone:</b>	
<b>Facility Cmnts:</b>		<b>UTM Northing:</b>	
<b>URL:</b>		<b>UTM Easting:</b>	
<b>No of Empl.:</b>	294	<b>Waste Streams:</b>	
<b>Parent Co.:</b>		<b>No Streams:</b>	
<b>No Parent Co.:</b>		<b>Waste Off Sites:</b>	
<b>Pollut Prev Cmnts:</b>		<b>No Off Sites:</b>	
<b>Stacks:</b>		<b>Shutdown:</b>	
<b>No of Stacks:</b>		<b>No of Shutdown:</b>	
<b>Canadian SIC Code (2 digit):</b>			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Canadian SIC Code:</b>					
<b>SIC Code Description:</b>					
<b>American SIC Code:</b>					
<b>NAICS Code (2 digit):</b>	53				
<b>NAICS 2 Description:</b>	Real Estate and Rental and Leasing				
<b>NAICS Code (4 digit):</b>	5311				
<b>NAICS 4 Description:</b>	Lessors of Real Estate				
<b>NAICS Code (6 digit):</b>	531120				
<b>NAICS 6 Description:</b>	Lessors of Non-Residential Buildings (except Mini-Warehouses)				
<b><u>Substance Release Report</u></b>					
<b>CAS No:</b>	10024-97-2				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Nitrous oxide				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	124-38-9				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Carbon dioxide				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	630-08-0				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Carbon monoxide				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	NA - M16				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Volatile Organic Compounds (VOCs)				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	10102-43-9				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				
<b>Subst Released:</b>	Oxides of nitrogen (expressed as NO)				
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>	tonnes				
<b>CAS No:</b>	74-82-8				
<b>Report ID:</b>					
<b>Rpt Period:</b>	2004				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>		Methane			
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>		NA - M09	2004	PM10 - Particulate Matter <= 10 Microns	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>		7446-09-5	2004	Sulphur dioxide	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>		811-97-2	2004	HFC-134a Hydrofluorocarbon	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>		NA - M08	2004	PM - Total Particulate Matter	
<b>CAS No:</b> <b>Report ID:</b> <b>Rpt Period:</b> <b>Subst Released:</b> <b>Air:</b> <b>Water:</b> <b>Land:</b> <b>Total Releases:</b> <b>Units:</b>		NA - M10	2004	PM2.5 - Particulate Matter <= 2.5 Microns	

[13](#)

9 of 11

**ENE/115.5**

**78.7 / -3.14**

**515 Legget Dr  
Ottawa ON K2K3G4**

**EHS**

**Order No:** 20160614073  
**Status:** C  
**Report Type:** Custom Report  
**Report Date:** 20-JUN-16  
**Date Received:** 14-JUN-16

**Nearest Intersection:**  
**Municipality:**  
**Client Prov/State:** ON  
**Search Radius (km):** .25  
**X:** -75.917214

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Previous Site Name:</b>				Y:	45.347623
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">13</a>	10 of 11	ENE/115.5	78.7 / -3.14	<b>Kanata Research Park Corporation</b> 515 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b>	2275-5HUUW47			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2003-01-18			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.91614
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.346527
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-AIR				
<b>Project Type:</b>	AIR				
<b>Business Name:</b>	Kanata Research Park Corporation				
<b>Address:</b>	515 Legget Drive				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	https://www.accessenvironment.ene.gov.on.ca/instruments/4311-5DXQ9R-14.pdf				
<b>PDF Site Location:</b>					
<a href="#">13</a>	11 of 11	ENE/115.5	78.7 / -3.14	<b>Broccolini Construction Ottawa Inc.</b> 515 Legget Drive Ottawa ON K2K 3G4	GEN
<b>Generator No:</b>	ON3449897				
<b>SIC Code:</b>	236210, 235220				
<b>SIC Description:</b>	INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION, 235220				
<b>Approval Years:</b>	2015				
<b>PO Box No:</b>					
<b>Country:</b>	Canada				
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>	CO_OFFICIAL				
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>	No				
<b>MHSW Facility:</b>	No				
<b>Detail(s)</b>					
<b>Waste Class:</b>	251				
<b>Waste Class Name:</b>	OIL SKIMMINGS & SLUDGES				
<a href="#">14</a>	1 of 2	WSW/123.6	84.6 / 2.72	<b>80 Hines Road</b> n/a ON K2K 2T8	EHS
<b>Order No:</b>	20060623001w			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Online Mapless			<b>Client Prov/State:</b>	CA
<b>Report Date:</b>	6/23/2006			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	6/23/2006			<b>X:</b>	
<b>Previous Site Name:</b>				<b>Y:</b>	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">14</a>	2 of 2	WSW/123.6	84.6 / 2.72	<b>AMCC</b> 80 Hines Rd. Kanata ON K2K 2T8	GEN

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON4203674 339990 All Other Miscellaneous Manufacturing 06,07,08			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		251			
<b>Waste Class Name:</b>		OIL SKIMMINGS & SLUDGES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<u>15</u>	1 of 7	W/129.8	84.9 / 3.04	<b>ROHDE &amp; SCHWARZ CANADA 555 MARCH RD KANATA ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1970			
<b>Plant Size (ft<sup>2</sup>):</b>		6000			
<b>Employment:</b>		17			
<b>--Details--</b>					
<b>Description:</b>		RADIO AND TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT			
<b>SIC/NAICS Code:</b>		3663			
<b>Description:</b>		SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEMS AND INSTRUMENTS			
<b>SIC/NAICS Code:</b>		3812			
<u>15</u>	2 of 7	W/129.8	84.9 / 3.04	<b>TEKTRONIX CANADA INC. 555 MARCH RD KANATA ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		0000			
<b>Plant Size (ft<sup>2</sup>):</b>		0			
<b>Employment:</b>		8			
<b>--Details--</b>					
<b>Description:</b>		COMPUTERS AND COMPUTER PERIPHERAL EQUIPMENT AND SOFTWARE			
<b>SIC/NAICS Code:</b>		5045			
<b>Description:</b>		ELECTRONIC PARTS AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		5065			
<u>15</u>	3 of 7	W/129.8	84.9 / 3.04	<b>Rohde &amp; Schwarz Canada Inc. 555 March Rd Kanata ON K2K 2M5</b>	<b>SCT</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Established:</b>		1970			
<b>Plant Size (ft²):</b>		8000			
<b>Employment:</b>		23			
<b>--Details--</b>					
<b>Description:</b>		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417230			
<b>Description:</b>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417320			
<b>Description:</b>		Professional Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417930			
<b>15</b>	<b>4 of 7</b>	<b>W/129.8</b>	<b>84.9 / 3.04</b>	<b>Localcity 555 March Rd Kanata ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1996			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>		12			
<b>--Details--</b>					
<b>Description:</b>		Other Printing			
<b>SIC/NAICS Code:</b>		323119			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<b>15</b>	<b>5 of 7</b>	<b>W/129.8</b>	<b>84.9 / 3.04</b>	<b>Local City Inc. 555 March Rd Kanata ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1996			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>		12			
<b>--Details--</b>					
<b>Description:</b>		Other Printing			
<b>SIC/NAICS Code:</b>		323119			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<b>15</b>	<b>6 of 7</b>	<b>W/129.8</b>	<b>84.9 / 3.04</b>	<b>ASAP-CD Solutions 555 March Rd Ottawa ON K2K 2M5</b>	<b>SCT</b>
<b>Established:</b>		1996			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>		7			
<b>--Details--</b>					
<b>Description:</b>		Commercial Screen Printing			
<b>SIC/NAICS Code:</b>		323113			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Description:</b>		Other Printing			
<b>SIC/NAICS Code:</b>		323119			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<b>Description:</b>		Sound Recording Studios			
<b>SIC/NAICS Code:</b>		512240			
<u>15</u>	7 of 7	W/129.8	84.9 / 3.04	555 March Road Ottawa (Kanata) ON	EHS
<b>Order No:</b>		20050715001		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		7/25/2005		<b>Search Radius (km):</b> 0.25	
<b>Date Received:</b>		7/15/2005		<b>X:</b> -75.922669	
<b>Previous Site Name:</b>				<b>Y:</b> 45.347131	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<u>16</u>	1 of 1	W/131.2	84.9 / 3.04	ON	BORE
<b>Borehole ID:</b>		609785		<b>Inclin FLG:</b> No	
<b>OGF ID:</b>		215511400		<b>SP Status:</b> Initial Entry	
<b>Status:</b>				<b>Surv Elev:</b> No	
<b>Type:</b>		Borehole		<b>Piezometer:</b> No	
<b>Use:</b>					
<b>Completion Date:</b>					
<b>Static Water Level:</b>					
<b>Primary Water Use:</b>					
<b>Sec. Water Use:</b>					
<b>Total Depth m:</b>		-999		<b>Primary Name:</b>	
<b>Depth Ref:</b>		Ground Surface		<b>Municipality:</b>	
<b>Depth Elev:</b>					
<b>Drill Method:</b>					
<b>Orig Ground Elev m:</b>		80.8		<b>Lot:</b>	
<b>Elev Reliabil Note:</b>					
<b>DEM Ground Elev m:</b>		80.4		<b>Township:</b>	
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>		218384079		<b>Mat Consistency:</b>	
<b>Top Depth:</b>		0		<b>Material Moisture:</b>	
<b>Bottom Depth:</b>		.6		<b>Material Texture:</b>	
<b>Material Color:</b>					
<b>Material 1:</b>		Silt		<b>Non Geo Mat Type:</b>	
<b>Material 2:</b>					
<b>Material 3:</b>					
<b>Material 4:</b>					
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		SILT.			
<b>Geology Stratum ID:</b>		218384080		<b>Mat Consistency:</b>	
<b>Top Depth:</b>		.6		<b>Material Moisture:</b>	
<b>Bottom Depth:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material Color:</b>	Black			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Granite			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BEDROCK,GRANITE. . GRANITE. GREY. GRANITE. BLACK. 003050. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.				

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M	<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 022930 NTS_Sheet: 31G05D		
<b>Confiden 1:</b>	Reliable information but incomplete.		

**Source List**

<b>Source Identifier:</b>	1	<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey	<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972	<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies		
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Originators:</b>	Geological Survey of Canada		

<a href="#">17</a>	1 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>NOKIA IP TELEPHONY CORPORATION 555 LEGGET DR SUITE 400 KANATA ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>	1995				
<b>Plant Size (ft²):</b>	0				
<b>Employment:</b>	170				

**--Details--**

<b>Description:</b>	Computer and Peripheral Equipment Manufacturing
<b>SIC/NAICS Code:</b>	334110
<b>Description:</b>	Manufacturing and Reproducing Magnetic and Optical Media
<b>SIC/NAICS Code:</b>	334610

<a href="#">17</a>	2 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>NOKIA 555 Legget Dr Suite 400 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>	1995				
<b>Plant Size (ft²):</b>	0				
<b>Employment:</b>	170				

**--Details--**

<b>Description:</b>	Other Leather and Allied Product Manufacturing
<b>SIC/NAICS Code:</b>	316990
<b>Description:</b>	All Other Plastic Product Manufacturing
<b>SIC/NAICS Code:</b>	326198
<b>Description:</b>	Telephone Apparatus Manufacturing

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC/NAICS Code:</b>		334210			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<b>Description:</b>		Battery Manufacturing			
<b>SIC/NAICS Code:</b>		335910			
<b>Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>SIC/NAICS Code:</b>		335990			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">17</a>	3 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>March Networks 555 Legget Dr Suite 140 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>		1991			
<b>Plant Size (ft²):</b>		55			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<a href="#">17</a>	4 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>TELEXIS CORPORATION 555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3</b>	<b>GEN</b>
<b>Generator No:</b>		ON2343800			
<b>SIC Code:</b>		3352			
<b>SIC Description:</b>		ELECT. PARTS & COMP.			
<b>Approval Years:</b>		97,98,99,00,01			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		211			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		AROMATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<a href="#">17</a>	5 of 34	N/134.8	79.9 / -1.94	<b>PULSE CANADA LTD. 555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3</b>	<b>GEN</b>
<b>Generator No:</b>		ON2399800			
<b>SIC Code:</b>		4839			
<b>SIC Description:</b>		OTHER TELECOMMUN.			
<b>Approval Years:</b>		98,99,00,01			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<a href="#">17</a>	6 of 34	N/134.8	79.9 / -1.94	<b>PULSE CANADA LTD. 555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3</b>	<b>GEN</b>
<b>Generator No:</b>		ON2399800			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		02,03,04			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">17</a>	7 of 34	N/134.8	79.9 / -1.94	<b>March Networks Corporation 555 Legget Dr Ottawa ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>		1991			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>		90			
<b>--Details--</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<a href="#"><u>17</u></a>	8 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>March Networks Corporation 555 Legget Dr Suite 530 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>		1991			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<a href="#"><u>17</u></a>	9 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>KRP Management Services Inc. 555 Legget Drive Ottawa ON</b>	<b>GEN</b>
<b>Generator No:</b>		ON4875456			
<b>SIC Code:</b>		561420 531120			
<b>SIC Description:</b>		Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-			
<b>Approval Years:</b>		06,07,08			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		114			
<b>Waste Class Name:</b>		OTHER INORGANIC ACID WASTES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class:</b> <b>Waste Class Name:</b>		331 WASTE COMPRESSED GASES			
<b>Waste Class:</b> <b>Waste Class Name:</b>		252 WASTE OILS & LUBRICANTS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		243 PCB'S			
<b>Waste Class:</b> <b>Waste Class Name:</b>		213 PETROLEUM DISTILLATES			
<b>Waste Class:</b> <b>Waste Class Name:</b>		145 PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b> <b>Waste Class Name:</b>		122 ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		122 ALKALINE WASTES - OTHER METALS			

17      10 of 34      **N/134.8**      **79.9 / -1.94**      **Redirack Storage Systems  
555 Legget Dr Tower A Suite 2007  
Ottawa ON K2K 2X3**      **SCT**

**Established:**  
**Plant Size (ft²):**  
**Employment:**

**--Details--**

- Description:**      Material Handling Equipment Manufacturing  
**SIC/NAICS Code:**      333920
- Description:**      All Other Miscellaneous Fabricated Metal Product Manufacturing  
**SIC/NAICS Code:**      332999
- Description:**      Other Ornamental and Architectural Metal Product Manufacturing  
**SIC/NAICS Code:**      332329
- Description:**      Hardware Manufacturing  
**SIC/NAICS Code:**      332510
- Description:**      Hardware Wholesaler-Distributors  
**SIC/NAICS Code:**      416330
- Description:**      Metal Service Centres  
**SIC/NAICS Code:**      416210
- Description:**      Showcase, Partition, Shelving and Locker Manufacturing  
**SIC/NAICS Code:**      337215
- Description:**      Office and Store Machinery and Equipment Wholesaler-Distributors  
**SIC/NAICS Code:**      417910
- Description:**      Industrial Machinery, Equipment and Supplies Wholesaler-Distributors  
**SIC/NAICS Code:**      417230
- Description:**      Lumber, Plywood and Millwork Wholesaler-Distributors  
**SIC/NAICS Code:**      416320
- Description:**      Material Handling Equipment Manufacturing  
**SIC/NAICS Code:**      333920
- Description:**      Wood Container and Pallet Manufacturing

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC/NAICS Code:</b>		321920			
<b>Description:</b>		Other Metal Container Manufacturing			
<b>SIC/NAICS Code:</b>		332439			
<a href="#">17</a>	11 of 34	<i>N/134.8</i>	<i>79.9 / -1.94</i>	<i>March Networks 555 Legget Drive Ottawa ON K2K 2X3</i>	<i>GEN</i>
<b>Generator No:</b>		ON6420281			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		07,08			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">17</a>	12 of 34	<i>N/134.8</i>	<i>79.9 / -1.94</i>	<i>Kanata Research Park Corporation 555 Legget Drive Ottawa ON</i>	<i>CA</i>
<b>Certificate #:</b>		4220-5HUV4			
<b>Application Year:</b>		2003			
<b>Issue Date:</b>		1/18/2003			
<b>Approval Type:</b>		Air			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">17</a>	13 of 34	<i>N/134.8</i>	<i>79.9 / -1.94</i>	<i>Netistix Technologies Corp 555 Legget Dr Suite 304 Kanata ON K2K 2X3</i>	<i>SCT</i>
<b>Established:</b>		01-DEC-02			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Description:</b>		Office Administrative Services			
<b>SIC/NAICS Code:</b>		561110			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#"><u>17</u></a>	14 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>Sch Specialty Literacy/Interve 555 Legget Dr Suite 900 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>		01-AUG-92			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#"><u>17</u></a>	15 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>Redirack Storage Systems 555 Legget Dr Suite 1007 Kanata ON K2K 2X3</b>	<b>SCT</b>
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Metal Service Centres			
<b>SIC/NAICS Code:</b>		416210			
<b>Description:</b>		Other Metal Container Manufacturing			
<b>SIC/NAICS Code:</b>		332439			
<b>Description:</b>		Showcase, Partition, Shelving and Locker Manufacturing			
<b>SIC/NAICS Code:</b>		337215			
<b>Description:</b>		Material Handling Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		333920			
<b>Description:</b>		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417230			
<b>Description:</b>		Hardware Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		416330			
<b>Description:</b>		Lumber, Plywood and Millwork Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		416320			
<b>Description:</b>		Hardware Manufacturing			
<b>SIC/NAICS Code:</b>		332510			
<b>Description:</b>		Wood Container and Pallet Manufacturing			
<b>SIC/NAICS Code:</b>		321920			
<b>Description:</b>		Other Ornamental and Architectural Metal Product Manufacturing			
<b>SIC/NAICS Code:</b>		332329			
<b>Description:</b>		All Other Miscellaneous Fabricated Metal Product Manufacturing			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC/NAICS Code:</b>		332999			
<b>Description:</b>		Office and Store Machinery and Equipment Wholesaler-Distributors			
<b>SIC/NAICS Code:</b>		417910			
<b>Description:</b>		Material Handling Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		333920			
<a href="#">17</a>	16 of 34	N/134.8	79.9 / -1.94	<b>Mediphan Inc.</b> 555 Legget Dr Suite 305 Ottawa ON K2K 2X3	SCT
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<b>Description:</b>		Research and Development in the Physical, Engineering and Life Sciences			
<b>SIC/NAICS Code:</b>		541710			
<b>Description:</b>		Medical Equipment and Supplies Manufacturing			
<b>SIC/NAICS Code:</b>		339110			
<a href="#">17</a>	17 of 34	N/134.8	79.9 / -1.94	<b>KRP Management Services Inc.</b> 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>		ON4875456			
<b>SIC Code:</b>		561420, 531120			
<b>SIC Description:</b>		Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			
<b>Approval Years:</b>		2009			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			

17      18 of 34      **N/134.8**      **79.9 / -1.94**      **KRP Management Services Inc.**  
**555 Legget Drive**  
**Ottawa ON**      **GEN**

**Generator No:** ON4875456  
**SIC Code:** 561420, 531120  
**SIC Description:** Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 213  
**Waste Class Name:** PETROLEUM DISTILLATES

**Waste Class:** 252  
**Waste Class Name:** WASTE OILS & LUBRICANTS

**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 148  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES

**Waste Class:** 145  
**Waste Class Name:** PAINT/PIGMENT/COATING RESIDUES

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS

**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS

**Waste Class:** 243  
**Waste Class Name:** PCBS

**Waste Class:** 121  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS

**Waste Class:** 146

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">17</a>	19 of 34	N/134.8	79.9 / -1.94	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>		ON4875456			
<b>SIC Code:</b>		561420, 531120			
<b>SIC Description:</b>		Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			
<b>Approval Years:</b>		2011			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">17</a>	20 of 34	N/134.8	79.9 / -1.94	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>		ON4875456			
<b>SIC Code:</b>		561420, 531120			
<b>SIC Description:</b>		Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			
<b>Approval Years:</b>		2012			
<b>PO Box No:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			

<a href="#">17</a>	21 of 34	N/134.8	79.9 / -1.94	KANATA RESEARCH PARK 555 LEGGET Drive KANATA ON K2K2X3	NPRI
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<b>NPRI ID:</b>	8800000226	<b>Org ID:</b>	
<b>Other ID:</b>		<b>Submit Date:</b>	
<b>No Other ID:</b>		<b>Last Modified:</b>	
<b>Track ID:</b>		<b>Contact ID:</b>	
<b>Report ID:</b>		<b>Cont Type:</b>	MED
<b>Report Type:</b>		<b>Contact Title:</b>	
<b>Rpt Type ID:</b>		<b>Cont First Name:</b>	
<b>Report Year:</b>	2004	<b>Cont Last Name:</b>	
<b>Not-Current Rpt?:</b>		<b>Contact Position:</b>	
<b>Yr of Last Filed Rpt:</b>		<b>Contact Fax:</b>	
<b>Fac ID:</b>		<b>Contact Ph.:</b>	
<b>Fac Name:</b>	TOWERS A & B	<b>Cont Area Code:</b>	
<b>Fac Address1:</b>		<b>Contact Tel.:</b>	
<b>Fac Address2:</b>		<b>Contact Ext.:</b>	
<b>Fac Postal Zip:</b>		<b>Cont Fax Area Cde:</b>	
<b>Facility Lat:</b>		<b>Contact Fax:</b>	
<b>Facility Long:</b>		<b>Contact Email:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>DLS (Last Filed Rpt):</b>				<b>Latitude:</b>	
<b>Facility DLS:</b>				<b>Longitude:</b>	
<b>Datum:</b>				<b>UTM Zone:</b>	
<b>Facility Cmnts:</b>				<b>UTM Northing:</b>	
<b>URL:</b>				<b>UTM Easting:</b>	
<b>No of Empl.:</b>	1036			<b>Waste Streams:</b>	
<b>Parent Co.:</b>				<b>No Streams:</b>	
<b>No Parent Co.:</b>				<b>Waste Off Sites:</b>	
<b>Pollut Prev Cmnts:</b>				<b>No Off Sites:</b>	
<b>Stacks:</b>				<b>Shutdown:</b>	
<b>No of Stacks:</b>				<b>No of Shutdown:</b>	
<b>Canadian SIC Code (2 digit):</b>					
<b>Canadian SIC Code:</b>					
<b>SIC Code Description:</b>					
<b>American SIC Code:</b>					
<b>NAICS Code (2 digit):</b>		53			
<b>NAICS 2 Description:</b>		Real Estate and Rental and Leasing			
<b>NAICS Code (4 digit):</b>		5311			
<b>NAICS 4 Description:</b>		Lessors of Real Estate			
<b>NAICS Code (6 digit):</b>		531120			
<b>NAICS 6 Description:</b>		Lessors of Non-Residential Buildings (except Mini-Warehouses)			
<b><u>Substance Release Report</u></b>					
<b>CAS No:</b>		10102-43-9			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Oxides of nitrogen (expressed as NO)			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M16			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		Volatile Organic Compounds (VOCs)			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M08			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM - Total Particulate Matter			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		NA - M10			
<b>Report ID:</b>					
<b>Rpt Period:</b>		2004			
<b>Subst Released:</b>		PM2.5 - Particulate Matter <= 2.5 Microns			
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<b>CAS No:</b>		7446-09-5			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Sulphur dioxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			NA - M09		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			PM10 - Particulate Matter <= 10 Microns		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			811-97-2		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			HFC-134a Hydrofluorocarbon		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			74-82-8		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Methane		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			10024-97-2		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Nitrous oxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			124-38-9		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Carbon dioxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					
<b>Total Releases:</b>					
<b>Units:</b>			tonnes		
<b>CAS No:</b>			630-08-0		
<b>Report ID:</b>					
<b>Rpt Period:</b>			2004		
<b>Subst Released:</b>			Carbon monoxide		
<b>Air:</b>					
<b>Water:</b>					
<b>Land:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Total Releases:</b>					
<b>Units:</b>		tonnes			
<a href="#">17</a>	22 of 34	N/134.8	79.9 / -1.94	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
<b>Generator No:</b>		ON4875456			
<b>SIC Code:</b>		561420, 531120			
<b>SIC Description:</b>		TELEPHONE CALL CENTRES, LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)			
<b>Approval Years:</b>		2013			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		135			
<b>Waste Class Name:</b>		REACTIVE ANION WASTES			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<a href="#">17</a>	23 of 34	N/134.8	79.9 / -1.94	555 Legget Dr Ottawa ON K2K2X3	EHS



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Order No:</b> 20150903032 <b>Status:</b> C <b>Report Type:</b> Custom Report <b>Report Date:</b> 09-SEP-15 <b>Date Received:</b> 03-SEP-15 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.919803 <b>Y:</b> 45.348953					
<a href="#">17</a>	24 of 34	N/134.8	79.9 / -1.94	555 Legget Dr Ottawa ON K2K2X3	EHS
<b>Order No:</b> 20150304029 <b>Status:</b> C <b>Report Type:</b> Custom Report <b>Report Date:</b> 09-MAR-15 <b>Date Received:</b> 04-MAR-15 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.919787 <b>Y:</b> 45.349161					
<a href="#">17</a>	25 of 34	N/134.8	79.9 / -1.94	Kanata Research Park Corporation 555 Legget Drive Ottawa ON K2K 2X3	ECA
<b>Approval No:</b> 4220-5HUV4 <b>Approval Date:</b> 2003-01-18 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> Kanata Research Park Corporation <b>Address:</b> 555 Legget Drive <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8337-5DXR24-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8337-5DXR24-14.pdf</a> <b>PDF Site Location:</b>					
<b>MOE District:</b> Ottawa <b>City:</b> <b>Longitude:</b> -75.909996 <b>Latitude:</b> 45.346844 <b>Geometry X:</b> <b>Geometry Y:</b>					
<a href="#">17</a>	26 of 34	N/134.8	79.9 / -1.94	Kanata Research Park Corp. 555 Legget Drive Ottawa ON K2K 2X3	GEN
<b>Generator No:</b> ON4875456 <b>SIC Code:</b> 531310 <b>SIC Description:</b> REAL ESTATE PROPERTY MANAGERS <b>Approval Years:</b> 2016 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> <b>Co Admin:</b> Paul Allen <b>Choice of Contact:</b> CO_ADMIN <b>Phone No Admin:</b> 613-591-0594 Ext. <b>Contaminated Facility:</b> No <b>MHSW Facility:</b> No					
<b>Detail(s)</b>					
<b>Waste Class:</b> 145					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		135			
<b>Waste Class Name:</b>		REACTIVE ANION WASTES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			

<a href="#">17</a>	27 of 34	<i>N/134.8</i>	<i>79.9 / -1.94</i>	<b>Kanata Research Park Corp. 555 Legget Drive Ottawa ON K2K 2X3</b>	<b>GEN</b>
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**Generator No:** ON4875456  
**SIC Code:** 531310  
**SIC Description:** REAL ESTATE PROPERTY MANAGERS  
**Approval Years:** 2015  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:** Bob Bisson  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:** 613-591-0594 Ext.  
**Contaminated Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 252  
**Waste Class Name:** WASTE OILS & LUBRICANTS  
  
**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS  
  
**Waste Class:** 145

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		135			
<b>Waste Class Name:</b>		REACTIVE ANION WASTES			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			

[17](#)

28 of 34

N/134.8

79.9 / -1.94

Kanata Research Park Corp.  
555 Legget Drive  
Ottawa ON K2K 2X3

GEN

**Generator No:** ON4875456  
**SIC Code:** 531310  
**SIC Description:** REAL ESTATE PROPERTY MANAGERS  
**Approval Years:** 2014  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:** Bob Bisson  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:** 613-591-0594 Ext.  
**Contaminated Facility:** No  
**MHSW Facility:** No

Detail(s)

**Waste Class:** 121  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS

**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES

**Waste Class:** 146  
**Waste Class Name:** OTHER SPECIFIED INORGANICS

**Waste Class:** 148

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		135			
<b>Waste Class Name:</b>		REACTIVE ANION WASTES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		243			
<b>Waste Class Name:</b>		PCBS			

<a href="#">17</a>	29 of 34	N/134.8	79.9 / -1.94	KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3	GEN
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**Generator No:** ON4875456  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2018  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 146 R  
**Waste Class Name:** Other specified inorganic sludges, slurries or solids

**Waste Class:** 112 C  
**Waste Class Name:** Acid solutions - containing heavy metals

**Waste Class:** 121 C  
**Waste Class Name:** Alkaline slutions - containing heavy metals

**Waste Class:** 122 C  
**Waste Class Name:** Alkaline slutions - containing other metals and non-metals (not cyanide)

**Waste Class:** 135 C  
**Waste Class Name:** Wastes containing other reactive anions

**Waste Class:** 145 I  
**Waste Class Name:** Wastes from the use of pigments, coatings and paints

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		Petroleum distillates			
<b>Waste Class:</b>		242 A			
<b>Waste Class Name:</b>		Halogenated pesticides and herbicides			
<b>Waste Class:</b>		243 D			
<b>Waste Class Name:</b>		PCB			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			

<a href="#">17</a>	30 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3</b>	<b>GEN</b>
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**Generator No:** ON4875456  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Jul 2020  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 121 C  
**Waste Class Name:** Alkaline slutions - containing heavy metals

**Waste Class:** 122 C  
**Waste Class Name:** Alkaline slutions - containing other metals and non-metals (not cyanide)

**Waste Class:** 135 C  
**Waste Class Name:** Wastes containing other reactive anions

**Waste Class:** 243 D  
**Waste Class Name:** PCB

**Waste Class:** 242 A  
**Waste Class Name:** Halogenated pesticides and herbicides

**Waste Class:** 213 I  
**Waste Class Name:** Petroleum distillates

**Waste Class:** 331 I  
**Waste Class Name:** Waste compressed gases including cylinders

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class:</b> <b>Waste Class Name:</b>		146 T Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b> <b>Waste Class Name:</b>		112 C Acid solutions - containing heavy metals			
<b>Waste Class:</b> <b>Waste Class Name:</b>		146 R Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b> <b>Waste Class Name:</b>		145 I Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b> <b>Waste Class Name:</b>		252 L Waste crankcase oils and lubricants			
<b>Waste Class:</b> <b>Waste Class Name:</b>		148 C Misc. wastes and inorganic chemicals			
<b>Waste Class:</b> <b>Waste Class Name:</b>		212 L Aliphatic solvents and residues			

<a href="#"><u>17</u></a>	31 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3</b>	<b>GEN</b>
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**Generator No:** ON4875456  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Nov 2021  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 252 L  
**Waste Class Name:** Waste crankcase oils and lubricants  
  
**Waste Class:** 112 C  
**Waste Class Name:** Acid solutions - containing heavy metals  
  
**Waste Class:** 135 C  
**Waste Class Name:** Wastes containing other reactive anions  
  
**Waste Class:** 145 I  
**Waste Class Name:** Wastes from the use of pigments, coatings and paints  
  
**Waste Class:** 243 D  
**Waste Class Name:** PCB  
  
**Waste Class:** 213 I  
**Waste Class Name:** Petroleum distillates  
  
**Waste Class:** 212 L  
**Waste Class Name:** Aliphatic solvents and residues  
  
**Waste Class:** 121 C

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		242 A			
<b>Waste Class Name:</b>		Halogenated pesticides and herbicides			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		122 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing other metals and non-metals (not cyanide)			

<a href="#">17</a>	32 of 34	<b>N/134.8</b>	<b>79.9 / -1.94</b>	<b>KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3</b>	<b>GEN</b>
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**Generator No:** ON4875456  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Oct 2022  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 252 L  
**Waste Class Name:** WASTE OILS & LUBRICANTS  
  
**Waste Class:** 135 C  
**Waste Class Name:** REACTIVE ANION WASTES  
  
**Waste Class:** 122 C  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS  
  
**Waste Class:** 121 C  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS  
  
**Waste Class:** 242 A  
**Waste Class Name:** HALOGENATED PESTICIDES  
  
**Waste Class:** 213 I  
**Waste Class Name:** PETROLEUM DISTILLATES  
  
**Waste Class:** 331 I  
**Waste Class Name:** WASTE COMPRESSED GASES  
  
**Waste Class:** 148 C  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		243 D			
<b>Waste Class Name:</b>		PCBS			
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<hr/>					
<a href="#">17</a>	33 of 34	N/134.8	79.9 / -1.94	555 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>	22071300147			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Site Report			<b>Client Prov/State:</b>	MD
<b>Report Date:</b>	14-JUL-22			<b>Search Radius (km):</b>	.001
<b>Date Received:</b>	13-JUL-22			<b>X:</b>	-75.9194816
<b>Previous Site Name:</b>				<b>Y:</b>	45.3490575
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<hr/>					
<a href="#">17</a>	34 of 34	N/134.8	79.9 / -1.94	555 Legget Drive Kanata ON K2K 3B8	EHS
<b>Order No:</b>	20300900278			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	15-OCT-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	09-OCT-20			<b>X:</b>	-75.9194816
<b>Previous Site Name:</b>				<b>Y:</b>	45.3490575
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<hr/>					
<a href="#">18</a>	1 of 1	WNW/136.0	84.1 / 2.25	lot 9 con 3 ON	WWIS
<b>Well ID:</b>	1510215			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Industrial			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0			<b>Data Src:</b>	1
<b>Final Well Status:</b>	Water Supply			<b>Date Received:</b>	10/23/1969
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>				<b>Contractor:</b>	3504
<b>Tag:</b>				<b>Form Version:</b>	1
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	009
<b>Depth to Bedrock:</b>				<b>Concession:</b>	03
<b>Well Depth:</b>				<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
<b>Static Water Level:</b> Clear/Cloudy: Municipality: Site Info:		MARCH TOWNSHIP		<b>Zone:</b> <b>UTM Reliability:</b>		
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510215.pdf				
<b><u>Additional Detail(s) (Map)</u></b>						
<b>Well Completed Date:</b> <b>Year Completed:</b> <b>Depth (m):</b> <b>Latitude:</b> <b>Longitude:</b> <b>X:</b> <b>Y:</b> <b>Path:</b>		10/01/1969 1969 21.6408 45.347343670196 -75.9236866038524 -75.9236864429178 45.34734366323822 151\1510215.pdf				
<b><u>Bore Hole Information</u></b>						
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Location Method Desc:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>		10032243       10/01/1969  Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>		18 427640.60 5021952.00  4 margin of error : 30 m - 100 m p4
<b><u>Overburden and Bedrock</u></b>						
<b><u>Materials Interval</u></b>						
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Material 1:</b> <b>Material 1 Desc:</b> <b>Material 2:</b> <b>Material 2 Desc:</b> <b>Material 3:</b> <b>Material 3 Desc:</b> <b>Formation Top Depth:</b> <b>Formation End Depth:</b> <b>Formation End Depth UOM:</b>		931014234 1   25 OVERBURDEN    0.0 4.0 ft				
<b><u>Overburden and Bedrock</u></b>						
<b><u>Materials Interval</u></b>						
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Material 1:</b>		931014235 2 1 WHITE 09				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material 1 Desc:</b>		MEDIUM SAND			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		4.0			
<b>Formation End Depth:</b>		71.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961510215			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10580813			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930057083			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		21.0			
<b>Casing Diameter:</b>		6.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930057084			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		71.0			
<b>Casing Diameter:</b>		6.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>		BAILER			
<b>Pump Test ID:</b>		991510215			
<b>Pump Set At:</b>					
<b>Static Level:</b>		29.0			
<b>Final Level After Pumping:</b>		50.0			
<b>Recommended Pump Depth:</b>		60.0			
<b>Pumping Rate:</b>		8.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		7.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934379016			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934640036			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934096838			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934896956			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		29.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933465173			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		62.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933465174			
<b>Layer:</b>		2			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		68.0			
<b>Water Found Depth UOM:</b>		ft			
<b>19</b>	<b>1 of 20</b>	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>NEWBRIDGE NETWORK CORPORATION 600 MARCH RD KANATA ON K2K 2E6</b>	<b>SCT</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		1986 95000 3000			
<b>--Details--</b>					
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">19</a>	2 of 20	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>NEWBRIDGE NETWORK CORPORATION 600 MARCH RD KANATA ON K2K 2T6</b>	<b>SCT</b>
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		1986 95000 1800			
<b>--Details--</b>					
<b>Description:</b>		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3679			
<a href="#">19</a>	3 of 20	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>Alcatel Canada Inc. 600 March Rd Kanata ON K2K 2T6</b>	<b>SCT</b>
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		1986 95000 000			
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Telephone Apparatus Manufacturing			
<b>SIC/NAICS Code:</b>		334210			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">19</a>	4 of 20	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>ALCATEL CANADA INC. 600 MARCH ROAD KANATA ON K2K 2E6</b>	<b>GEN</b>
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		3351			
<b>SIC Description:</b>		TELECOMMUNICATIONS			
<b>Approval Years:</b>		00,01,02,03,04,05,06,07,08			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<u>Detail(s)</u>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">19</a>	5 of 20	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>Alcatel-Lucent Canada Inc. 600 March Rd Kanata ON K2K 2T6</b>	<b>SCT</b>
<b>Established:</b>		01-JUN-86			
<b>Plant Size (ft²):</b>		95000			
<b>Employment:</b>					
<u>--Details--</u>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Telephone Apparatus Manufacturing			
<b>SIC/NAICS Code:</b>		334210			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<a href="#">19</a>	6 of 20	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6</b>	<b>GEN</b>
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		513390			
<b>SIC Description:</b>					
<b>Approval Years:</b>		2009			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<u>Detail(s)</u>					
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<a href="#">19</a>	7 of 20	NNW/141.1	79.9 / -1.98	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		513390			
<b>SIC Description:</b>					
<b>Approval Years:</b>		2010			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<a href="#">19</a>	8 of 20	NNW/141.1	79.9 / -1.98	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		513390			
<b>SIC Description:</b>					
<b>Approval Years:</b>		2011			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">19</a>	9 of 20	NNW/141.1	79.9 / -1.98	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		513390			
<b>SIC Description:</b>					
<b>Approval Years:</b>		2012			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			

<a href="#">19</a>	10 of 20	NNW/141.1	79.9 / -1.98	ALCATEL CANADA INC. 600 March Road Kanata ON	GEN
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		513390			
<b>SIC Description:</b>		OTHER TELECOMMUNICATIONS			
<b>Approval Years:</b>		2013			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			

[19](#)      11 of 20      **NNW/141.1**      **79.9 / -1.98**      **NOKIA CANADA**  
**600 March Road**  
**Kanata ON K2K 2E6**      **GEN**

**Generator No:** ON0044812  
**SIC Code:** 513390  
**SIC Description:** OTHER TELECOMMUNICATIONS  
**Approval Years:** 2016  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:**  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:**  
**Contaminated Facility:** No  
**MHSW Facility:** No

Detail(s)

**Waste Class:** 242  
**Waste Class Name:** HALOGENATED PESTICIDES

**Waste Class:** 263  
**Waste Class Name:** ORGANIC LABORATORY CHEMICALS

**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS

**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES

**Waste Class:** 146  
**Waste Class Name:** OTHER SPECIFIED INORGANICS

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS

**Waste Class:** 121  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS

**Waste Class:** 213  
**Waste Class Name:** PETROLEUM DISTILLATES

**Waste Class:** 145  
**Waste Class Name:** PAINT/PIGMENT/COATING RESIDUES

**Waste Class:** 252

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<a href="#">19</a>	12 of 20	NNW/141.1	79.9 / -1.98	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2E6	GEN
<b>Generator No:</b>		ON0044812			
<b>SIC Code:</b>		513390			
<b>SIC Description:</b>		OTHER TELECOMMUNICATIONS			
<b>Approval Years:</b>		2015			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<a href="#">19</a>	13 of 20	NNW/141.1	79.9 / -1.98	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2E6	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON0044812 513390 OTHER TELECOMMUNICATIONS 2014 Canada CO_OFFICIAL No No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		242			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			

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**NNW/141.1**

**79.9 / -1.98**

**NOKIA CANADA**  
**600 March Road**  
**Kanata ON K2K 2E6**

**GEN**

**Generator No:** ON0044812  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2018  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		122 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing other metals and non-metals (not cyanide)			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 B			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		Petroleum distillates			
<b>Waste Class:</b>		242 A			
<b>Waste Class Name:</b>		Halogenated pesticides and herbicides			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			

<b><u>19</u></b>	<b>15 of 20</b>	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>NOKIA CANADA 600 March Road Kanata ON K2K 2E6</b>	<b>GEN</b>
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**Generator No:** ON0044812  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Jul 2020  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		242 A			
<b>Waste Class Name:</b>		Halogenated pesticides and herbicides			
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		122 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing other metals and non-metals (not cyanide)			
<b>Waste Class:</b>		148 B			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		Petroleum distillates			

<b>19</b>	<b>16 of 20</b>	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>NOKIA CANADA 600 March Road Kanata ON K2K 2E6</b>	<b>GEN</b>
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**Generator No:** ON0044812  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Jan 2021  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		122 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing other metals and non-metals (not cyanide)			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		Petroleum distillates			
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		148 B			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		242 A			
<b>Waste Class Name:</b>		Halogenated pesticides and herbicides			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			

<b><u>19</u></b>	<b>17 of 20</b>	<b>NNW/141.1</b>	<b>79.9 / -1.98</b>	<b>NOKIA CANADA 600 March Road Kanata ON K2K 2E6</b>	<b>GEN</b>
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**Generator No:** ON0044812  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Oct 2022  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		146 R			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		263 I			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		148 B			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122 C			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		242 A			
<b>Waste Class Name:</b>		HALOGENATED PESTICIDES			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			

**19**      18 of 20      **NNW/141.1**      **79.9 / -1.98**      **600 March Road lot 8 con 4**  
**Kanata ON**      **WWIS**

<b>Well ID:</b>	7444461	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>	Test Hole	<b>Data Entry Status:</b>	
<b>Use 2nd:</b>		<b>Data Src:</b>	
<b>Final Well Status:</b>	Test Hole	<b>Date Received:</b>	05/03/2023
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>	B713BZG8	<b>Contractor:</b>	7675
<b>Tag:</b>	A311062	<b>Form Version:</b>	9
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>		<b>Lot:</b>	008
<b>Depth to Bedrock:</b>		<b>Concession:</b>	04
<b>Well Depth:</b>		<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> <b>Site Info:</b>		MARCH TOWNSHIP BH3-23		<b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Location Method Desc:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	1009390051       04/17/2023  on Water Well Record	<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>		   18 427934.00 5021836.00 UTM83 4 margin of error : 30 m - 100 m wwr	
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Material 1:</b> <b>Material 1 Desc:</b> <b>Material 2:</b> <b>Material 2 Desc:</b> <b>Material 3:</b> <b>Material 3 Desc:</b> <b>Formation Top Depth:</b> <b>Formation End Depth:</b> <b>Formation End Depth UOM:</b>	1009390262 1 2 GREY 11 GRAVEL      0.0 2.5 ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Material 1:</b> <b>Material 1 Desc:</b> <b>Material 2:</b> <b>Material 2 Desc:</b> <b>Material 3:</b> <b>Material 3 Desc:</b> <b>Formation Top Depth:</b> <b>Formation End Depth:</b> <b>Formation End Depth UOM:</b>	1009390263 2 2 GREY 18 SANDSTONE      2.5 19.0 ft				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1009390468			
<b>Layer:</b>		2			
<b>Plug From:</b>		9.0			
<b>Plug To:</b>		19.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1009390467			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		9.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1009390416			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1009390164			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1009390122			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1009390313			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		9.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1009390346			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		9.0			
<b>Screen End Depth:</b>		19.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter:		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
Pump Test ID:		1009390123			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<b><u>Hole Diameter</u></b>					
Hole ID:		1009390384			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		2.5			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<b><u>Hole Diameter</u></b>					
Hole ID:		1009390385			
Diameter:		4.0			
Depth From:		2.5			
Depth To:		19.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<a href="#">19</a>	19 of 20	NNW/141.1	79.9 / -1.98	600 March Road lot 8 con 4 Kanata ON	WWIS
Well ID:		7444459		<b>Flowing (Y/N):</b>	
Construction Date:				<b>Flow Rate:</b>	
Use 1st:		Test Hole		<b>Data Entry Status:</b>	
Use 2nd:				<b>Data Src:</b>	
Final Well Status:		Test Hole		<b>Date Received:</b> 05/03/2023	
Water Type:				<b>Selected Flag:</b> TRUE	
Casing Material:				<b>Abandonment Rec:</b>	
Audit No:		4K543G16		<b>Contractor:</b> 7675	
Tag:		A125988		<b>Form Version:</b> 9	
Constructn Method:				<b>Owner:</b>	
Elevation (m):				<b>County:</b> OTTAWA-CARLETON	
Elevatn Reliability:				<b>Lot:</b> 008	
Depth to Bedrock:				<b>Concession:</b> 04	
Well Depth:				<b>Concession Name:</b> CON	
Overburden/Bedrock:				<b>Easting NAD83:</b>	
Pump Rate:				<b>Northing NAD83:</b>	
Static Water Level:				<b>Zone:</b>	
Clear/Cloudy:				<b>UTM Reliability:</b>	
Municipality:		MARCH TOWNSHIP			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Info:		BH6-23			
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1009390045			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	427856.00
Code OB Desc:				North83:	5021913.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	04/19/2023			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1009390258				
Layer:	1				
Color:	2				
General Color:	GREY				
Material 1:	11				
Material 1 Desc:	GRAVEL				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	2.0				
Formation End Depth UOM:	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1009390259				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	18				
Material 1 Desc:	SANDSTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	2.0				
Formation End Depth:	15.0				
Formation End Depth UOM:	ft				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
Plug ID:	1009390464				
Layer:	2				
Plug From:	5.0				
Plug To:	15.0				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1009390463			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		5.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1009390414			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1009390162			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1009390118			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1009390311			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		5.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1009390344			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		5.0			
<b>Screen End Depth:</b>		15.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Pumping Test Method Desc:**

**Pump Test ID:** 1009390119  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:**  
**Recommended Pump Depth:**  
**Pumping Rate:**  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:**  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:**

**Hole Diameter**

**Hole ID:** 1009390380  
**Diameter:** 8.0  
**Depth From:** 0.0  
**Depth To:** 2.0  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

**Hole Diameter**

**Hole ID:** 1009390381  
**Diameter:** 4.0  
**Depth From:** 2.0  
**Depth To:** 15.0  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

<a href="#">19</a>	20 of 20	NNW/141.1	79.9 / -1.98	600 March Road lot 8 con 4 Kanata ON	WWIS
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<b>Well ID:</b> 7444460 <b>Construction Date:</b> <b>Use 1st:</b> Test Hole <b>Use 2nd:</b> <b>Final Well Status:</b> Test Hole <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> YWVVUZ5R <b>Tag:</b> A311059 <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliabilty:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> MARCH TOWNSHIP <b>Site Info:</b> BH4-23	<b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 05/03/2023 <b>Selected Flag:</b> TRUE <b>Abandonment Rec:</b> <b>Contractor:</b> 7675 <b>Form Version:</b> 9 <b>Owner:</b> <b>County:</b> OTTAWA-CARLETON <b>Lot:</b> 008 <b>Concession:</b> 04 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>
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**Bore Hole Information**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Bore Hole ID:** 1009390048  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 04/19/2023  
**Remarks:**  
**Location Method Desc:** on Water Well Record  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:** 427943.00  
**North83:** 5021902.00  
**Org CS:** UTM83  
**UTMRC:** 4  
**UTMRC Desc:** margin of error : 30 m - 100 m  
**Location Method:** wwr

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 1009390260  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 11  
**Material 1 Desc:** GRAVEL  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 1009390261  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**  
**Sealing Record**

**Plug ID:** 1009390465  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 10.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1009390415			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1009390466			
<b>Layer:</b>		2			
<b>Plug From:</b>		10.0			
<b>Plug To:</b>		20.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1009390163			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1009390120			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1009390312			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		10.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1009390345			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		10.0			
<b>Screen End Depth:</b>		20.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1009390121			
<b>Pump Set At:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Static Level:  
 Final Level After Pumping:  
 Recommended Pump Depth:  
 Pumping Rate:  
 Flowing Rate:  
 Recommended Pump Rate:  
 Levels UOM: ft  
 Rate UOM: GPM  
 Water State After Test Code:  
 Water State After Test:  
 Pumping Test Method:  
 Pumping Duration HR:  
 Pumping Duration MIN:  
 Flowing:

**Hole Diameter**

Hole ID: 1009390382  
 Diameter: 8.0  
 Depth From: 0.0  
 Depth To: 2.0  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

**Hole Diameter**

Hole ID: 1009390383  
 Diameter: 4.0  
 Depth From: 2.0  
 Depth To: 20.0  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

<a href="#">20</a>	1 of 15	WNW/146.7	84.1 / 2.25	MILLER'S QUALITY DRY CLEANERS 591 MARCH ROAD KANATA ON K2K 2M5	GEN
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Generator No: ON2095500  
 SIC Code: 9721  
 SIC Description: POWER LAUND./CLEANERS  
 Approval Years: 95,96,97,98,99,00,01  
 PO Box No:  
 Country:  
 Status:  
 Co Admin:  
 Choice of Contact:  
 Phone No Admin:  
 Contaminated Facility:  
 MHSW Facility:

**Detail(s)**

Waste Class: 241  
 Waste Class Name: HALOGENATED SOLVENTS

<a href="#">20</a>	2 of 15	WNW/146.7	84.1 / 2.25	591 March Road Kanata ON K2K 2M5	EHS
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Order No:	20061017022	Nearest Intersection:	
Status:	C	Municipality:	Kanata (Ottawa)
Report Type:	Site Report	Client Prov/State:	ON
Report Date:	10/19/2006	Search Radius (km):	0.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date Received:</b>	10/17/2006			<b>X:</b>	-75.923715
<b>Previous Site Name:</b>				<b>Y:</b>	45.347553
<b>Lot/Building Size:</b>	STRIP PLAZA				
<b>Additional Info Ordered:</b>					

<a href="#">20</a>	3 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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**Generator No:** ON3396254  
**SIC Code:** 541940  
**SIC Description:** Veterinary Services  
**Approval Years:** 2009  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 261  
**Waste Class Name:** PHARMACEUTICALS  
  
**Waste Class:** 264  
**Waste Class Name:** PHOTOPROCESSING WASTES  
  
**Waste Class:** 312  
**Waste Class Name:** PATHOLOGICAL WASTES

<a href="#">20</a>	4 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
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**Generator No:** ON3396254  
**SIC Code:** 541940  
**SIC Description:** Veterinary Services  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 312  
**Waste Class Name:** PATHOLOGICAL WASTES  
  
**Waste Class:** 261  
**Waste Class Name:** PHARMACEUTICALS  
  
**Waste Class:** 264  
**Waste Class Name:** PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">20</a>	5 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON3396254 541940 Veterinary Services 2011			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		261			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		264			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<a href="#">20</a>	6 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON3396254 541940 Veterinary Services 2012			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		264			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<b>Waste Class:</b>		261			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<a href="#">20</a>	7 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b>		ON3396254 541940 VETERINARY SERVICES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Years:</b> 2013 <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 261					
<b>Waste Class Name:</b> PHARMACEUTICALS					
<b>Waste Class:</b> 312					
<b>Waste Class Name:</b> PATHOLOGICAL WASTES					
<b>Waste Class:</b> 264					
<b>Waste Class Name:</b> PHOTOPROCESSING WASTES					
<a href="#">20</a>	8 of 15	WNW/146.7	84.1 / 2.25	591 March Rd Ottawa ON K2K2M5	EHS
<b>Order No:</b> 20151123050		<b>Nearest Intersection:</b>			
<b>Status:</b> C		<b>Municipality:</b> City of Ottawa			
<b>Report Type:</b> Standard Select Report		<b>Client Prov/State:</b> ON			
<b>Report Date:</b> 27-NOV-15		<b>Search Radius (km):</b> .25			
<b>Date Received:</b> 23-NOV-15		<b>X:</b> -75.923843			
<b>Previous Site Name:</b>		<b>Y:</b> 45.347298			
<b>Lot/Building Size:</b> 1.25 hectares (approx.)					
<b>Additional Info Ordered:</b>					
<a href="#">20</a>	9 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b> ON3396254					
<b>SIC Code:</b> 541940					
<b>SIC Description:</b> VETERINARY SERVICES					
<b>Approval Years:</b> 2016					
<b>PO Box No:</b>					
<b>Country:</b> Canada					
<b>Status:</b>					
<b>Co Admin:</b> Tobie Jaros					
<b>Choice of Contact:</b> CO_ADMIN					
<b>Phone No Admin:</b> 613-591-2408 Ext.					
<b>Contaminated Facility:</b> No					
<b>MHSW Facility:</b> No					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 261					
<b>Waste Class Name:</b> PHARMACEUTICALS					
<b>Waste Class:</b> 264					
<b>Waste Class Name:</b> PHOTOPROCESSING WASTES					
<b>Waste Class:</b> 312					
<b>Waste Class Name:</b> PATHOLOGICAL WASTES					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">20</a>	10 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON3396254 541940 VETERINARY SERVICES 2015 Canada Tobie Jaros CO_ADMIN 613-591-2408 Ext. No No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		264			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<b>Waste Class:</b>		261			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<a href="#">20</a>	11 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON3396254 541940 VETERINARY SERVICES 2014 Canada Courtney C Cavanagh CO_ADMIN 613-591-2408 Ext. No No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		261			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		264			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<a href="#">20</a>	12 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b>		ON3396254			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		As of Dec 2018			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		261 A			
<b>Waste Class Name:</b>		Pharmaceuticals			
<b>Waste Class:</b>		264 T			
<b>Waste Class Name:</b>		Photoprocessing wastes			
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<a href="#">20</a>	13 of 15	<b>WNW/146.7</b>	<b>84.1 / 2.25</b>	<b>March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON3396254			
		As of Jul 2020			
		Canada			
		Registered			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		264 T			
<b>Waste Class Name:</b>		Photoprocessing wastes			
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<b>Waste Class:</b>		261 A			
<b>Waste Class Name:</b>		Pharmaceuticals			
<a href="#">20</a>	14 of 15	<b>WNW/146.7</b>	<b>84.1 / 2.25</b>	<b>March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b>		ON3396254			
		As of Nov 2021			
		Canada			
		Registered			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		261 A			
<b>Waste Class Name:</b>		Pharmaceuticals			
<b>Waste Class:</b>		264 T			
<b>Waste Class Name:</b>		Photoprocessing wastes			
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<a href="#">20</a>	15 of 15	WNW/146.7	84.1 / 2.25	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
<b>Generator No:</b>		ON3396254			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Oct 2022			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		261 A			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<b>Waste Class:</b>		264 T			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<a href="#">21</a>	1 of 1	W/148.6	85.7 / 3.86	D.I.R. Investments Inc. Ottawa ON K0A 1A0	ECA
<b>Approval No:</b>		2390-6NBQN4		<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>		2006-04-03		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b>	-75.92376
<b>Record Type:</b>		ECA		<b>Latitude:</b>	45.346516
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Project Type:</b>		MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Business Name:</b>		D.I.R. Investments Inc.			
<b>Address:</b>					
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8134-6MRTG9-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8134-6MRTG9-14.pdf</a>			
<b>PDF Site Location:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">22</a>	1 of 16	SW/161.0	82.9 / 1.00	EXCALIBUR SYSTEMS LTD. 50 Hines Rd Kanata ON K2K 2M5	SCT
<b>Established:</b>		1988			
<b>Plant Size (ft²):</b>		10000			
<b>Employment:</b>		21			
<b>--Details--</b>					
<b>Description:</b>		All Other General-Purpose Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333990			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Navigational and Guidance Instruments Manufacturing			
<b>SIC/NAICS Code:</b>		334511			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<a href="#">22</a>	2 of 16	SW/161.0	82.9 / 1.00	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b>		ON2494100			
<b>SIC Code:</b>		4821			
<b>SIC Description:</b>		TELECOMMUN. CARRIERS			
<b>Approval Years:</b>		99,00,01,03			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		251			
<b>Waste Class Name:</b>		OIL SKIMMINGS & SLUDGES			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">22</a>	3 of 16	SW/161.0	82.9 / 1.00	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b>		ON2494100			
<b>SIC Code:</b>					
<b>SIC Description:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		02			
<a href="#">22</a>	4 of 16	SW/161.0	82.9 / 1.00	<b>HUBER &amp; SUHNER CANADA</b> 50 HINES ROAD KANATA ON K2K 2M5	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON2494100	04		
<a href="#">22</a>	5 of 16	SW/161.0	82.9 / 1.00	<b>DRS EW &amp; Network Systems</b> 50 Hines Rd Kanata ON K2K 2M5	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		1988 10000 25			
<b>--Details--</b>					
<b>Description:</b>		All Other General-Purpose Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333990			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Navigational and Guidance Instruments Manufacturing			
<b>SIC/NAICS Code:</b>		334511			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
<b>SIC/NAICS Code:</b>		334610			
<a href="#">22</a>	6 of 16	SW/161.0	82.9 / 1.00	<b>WorkDynamics Technologies</b> 50 Hines Rd Suite 220 Kanata ON K2K 2M5	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-OCT-98			
<b>--Details--</b>					
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<b>Description:</b>		Computer Systems Design and Related Services			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		541510			
<a href="#">22</a>	7 of 16	SW/161.0	82.9 / 1.00	<b>DRS EW &amp; Network Systems (Canada) Ltd.</b> 50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	<b>EBR</b>
<b>EBR Registry No:</b>		IA04E1366		<b>Decision Posted:</b>	
<b>Ministry Ref No:</b>		5540-654NXU		<b>Exception Posted:</b>	
<b>Notice Type:</b>		Instrument Decision		<b>Section:</b>	
<b>Notice Stage:</b>				<b>Act 1:</b>	
<b>Notice Date:</b>		February 22, 2005		<b>Act 2:</b>	
<b>Proposal Date:</b>		September 24, 2004		<b>Site Location Map:</b>	
<b>Year:</b>		2004			
<b>Instrument Type:</b>		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
<b>Off Instrument Name:</b>					
<b>Posted By:</b>					
<b>Company Name:</b>		DRS EW & Network Systems (Canada) Ltd.			
<b>Site Address:</b>					
<b>Location Other:</b>					
<b>Proponent Name:</b>					
<b>Proponent Address:</b>		50 Hines Road, Suite 200, Ottawa Ontario, K2K 2M5			
<b>Comment Period:</b>					
<b>URL:</b>					
<b>Site Location Details:</b>					
50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa					
<a href="#">22</a>	8 of 16	SW/161.0	82.9 / 1.00	<b>Power Integrations Canada Inc.</b> 50 Hines Rd Suite 240 Kanata ON K2K 2M5	<b>SCT</b>
<b>Established:</b>		01-AUG-00			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Research and Development in the Physical, Engineering and Life Sciences			
<b>SIC/NAICS Code:</b>		541710			
<a href="#">22</a>	9 of 16	SW/161.0	82.9 / 1.00	<b>OneChip Photonics Inc.</b> 50 Hines Rd Suite 200 Kanata ON K2K 2M5	<b>SCT</b>
<b>Established:</b>		8/1/2005			
<b>Plant Size (ft²):</b>		17000			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Commercial and Service Industry Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333310			
<a href="#">22</a>	10 of 16	SW/161.0	82.9 / 1.00	<b>Cyrium Technologies Incorporated</b> 50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA	<b>EBR</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>ON</b>					
<b>EBR Registry No:</b>	010-9829			<b>Decision Posted:</b>	
<b>Ministry Ref No:</b>	5633-84JKT3			<b>Exception Posted:</b>	
<b>Notice Type:</b>	Instrument Decision			<b>Section:</b>	
<b>Notice Stage:</b>				<b>Act 1:</b>	
<b>Notice Date:</b>	January 07, 2011			<b>Act 2:</b>	
<b>Proposal Date:</b>	April 27, 2010			<b>Site Location Map:</b>	
<b>Year:</b>	2010				
<b>Instrument Type:</b>	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)				
<b>Off Instrument Name:</b>					
<b>Posted By:</b>					
<b>Company Name:</b>	Cyrium Technologies Incorporated				
<b>Site Address:</b>					
<b>Location Other:</b>					
<b>Proponent Name:</b>					
<b>Proponent Address:</b>	50 Hines Road , Suite 200, Kanata Ontario, Canada K2K 2M5				
<b>Comment Period:</b>					
<b>URL:</b>					
<b>Site Location Details:</b>					
50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA					

<a href="#">22</a>	11 of 16	SW/161.0	82.9 / 1.00	Cyrium Technologies Incorporated 50 Hines Rd Kanata Ottawa ON	CA
<b>Certificate #:</b>	0093-89LSKT				
<b>Application Year:</b>	2010				
<b>Issue Date:</b>	12/15/2010				
<b>Approval Type:</b>	Air				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

<a href="#">22</a>	12 of 16	SW/161.0	82.9 / 1.00	DRS EW & Network Systems (Canada) Ltd. 50 Hines Road, Suite 200 Ottawa ON	CA
<b>Certificate #:</b>	0429-69NPJ2				
<b>Application Year:</b>	2005				
<b>Issue Date:</b>	2/16/2005				
<b>Approval Type:</b>	Air				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">22</a>	13 of 16	SW/161.0	82.9 / 1.00	Merge Healthcare Incorporated 50 Hines Rd Suite 120 Kanata ON K2K 2M5	SCT
<p><b>Established:</b>  <b>Plant Size (ft²):</b>  <b>Employment:</b></p>					
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">22</a>	14 of 16	SW/161.0	82.9 / 1.00	GaN Systems Inc. 50 Hines road, suite 204 Ottawa ON	GEN
<b>Generator No:</b>		ON8149211			
<b>SIC Code:</b>		334290			
<b>SIC Description:</b>		OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING			
<b>Approval Years:</b>		2013			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">22</a>	15 of 16	SW/161.0	82.9 / 1.00	Cyrium Technologies Incorporated 50 Hines Rd Kanata Ottawa ON	ECA
<b>Approval No:</b>		0093-89LSKT		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2010-12-15		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.921005	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.344448	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Cyrium Technologies Incorporated			
<b>Address:</b>		50 Hines Rd Kanata			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		https://www.accessenvironment.ene.gov.on.ca/instruments/5633-84JKT3-14.pdf			
<b>PDF Site Location:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">22</a>	16 of 16	SW/161.0	82.9 / 1.00	<b>DRS EW &amp; Network Systems (Canada) Ltd.</b> 50 Hines Road, Suite 200 Ottawa ON K2K 2M5	ECA
<b>Approval No:</b>		0429-69NPJ2		<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>		2005-02-16		<b>City:</b>	
<b>Status:</b>		Approved		<b>Longitude:</b> -75.921005	
<b>Record Type:</b>		ECA		<b>Latitude:</b> 45.344448	
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		DRS EW & Network Systems (Canada) Ltd.			
<b>Address:</b>		50 Hines Road, Suite 200			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		https://www.accessenvironment.ene.gov.on.ca/instruments/5540-654NXU-14.pdf			
<b>PDF Site Location:</b>					
<a href="#">23</a>	1 of 15	WSW/172.5	85.9 / 4.00	<b>WILLIAM S. BURNSIDE (CANADA) LIMITED</b> 88 HINES ROAD (SWM) KANATA ON K2K 2T8	CA
<b>Certificate #:</b>		3-0347-98-			
<b>Application Year:</b>		98			
<b>Issue Date:</b>		6/12/1998			
<b>Approval Type:</b>		Municipal sewage			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">23</a>	2 of 15	WSW/172.5	85.9 / 4.00	<b>Flexus Electronics Inc.</b> 88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SCT
<b>Established:</b>		01-AUG-91			
<b>Plant Size (ft²):</b>		7000			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">23</a>	3 of 15	WSW/172.5	85.9 / 4.00	<b>Flexus Inc.</b> 88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SCT
<b>Established:</b>		9/1/1991			
<b>Plant Size (ft²):</b>		7000			
<b>Employment:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">23</a>	4 of 15	WSW/172.5	85.9 / 4.00	Telemus Inc. 88 Hines Road Ottawa ON K2K 2T8	GEN
<b>Generator No:</b>		ON7263654			
<b>SIC Code:</b>		335990			
<b>SIC Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>Approval Years:</b>		04,05,06			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		264			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<a href="#">23</a>	5 of 15	WSW/172.5	85.9 / 4.00	Telemus Inc. 88 Hines Rd Kanata ON K2K 2T8	SCT
<b>Established:</b>		1994			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Construction Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333120			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Navigational and Guidance Instruments Manufacturing			
<b>SIC/NAICS Code:</b>		334511			
<b>Description:</b>		Engineering Services			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		541330			
<a href="#">23</a>	6 of 15	WSW/172.5	85.9 / 4.00	954050 ONTARIO INC. 88 HINES RD KANATA ON	GEN
Generator No:		ON5315252			
SIC Code:		335990			
SIC Description:		ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			
Approval Years:		2013			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<b><u>Detail(s)</u></b>					
Waste Class:		232			
Waste Class Name:		POLYMERIC RESINS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		112			
Waste Class Name:		ACID WASTE - HEAVY METALS			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
<a href="#">23</a>	7 of 15	WSW/172.5	85.9 / 4.00	Ultra Electronics 88 Hines Rd Kanata ON K2K 2T8	SCT
Established:		01-AUG-94			
Plant Size (ft²):					
Employment:					
<b><u>--Details--</u></b>					
Description:		Engineering Services			
SIC/NAICS Code:		541330			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Navigational and Guidance Instruments Manufacturing			
SIC/NAICS Code:		334511			
Description:		Construction Machinery Manufacturing			
SIC/NAICS Code:		333120			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">23</a>	8 of 15	WSW/172.5	85.9 / 4.00	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN

**Generator No:** ON5315252  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 07,08  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS  
  
**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS  
  
**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS  
  
**Waste Class:** 145  
**Waste Class Name:** PAINT/PIGMENT/COATING RESIDUES  
  
**Waste Class:** 232  
**Waste Class Name:** POLYMERIC RESINS  
  
**Waste Class:** 252  
**Waste Class Name:** WASTE OILS & LUBRICANTS  
  
**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES

<a href="#">23</a>	9 of 15	WSW/172.5	85.9 / 4.00	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN
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**Generator No:** ON5315252  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 2009  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

[23](#)      10 of 15      WSW/172.5      85.9 / 4.00      **Ultra Electronics Canada Defence Inc.**  
88 Hines Road      **GEN**  
Ottawa ON

**Generator No:** ON7263654  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 2009  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS

**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 146  
**Waste Class Name:** OTHER SPECIFIED INORGANICS

**Waste Class:** 148  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS

**Waste Class:** 241  
**Waste Class Name:** HALOGENATED SOLVENTS

**Waste Class:** 264  
**Waste Class Name:** PHOTOPROCESSING WASTES

[23](#)      11 of 15      WSW/172.5      85.9 / 4.00      **Ultra Electronics TCS Inc.**  
88 Hines Road      **GEN**  
Ottawa ON

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON7263654 335990 All Other Electrical Equipment and Component Manufacturing 2010			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		264			
<b>Waste Class Name:</b>		PHOTOPROCESSING WASTES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			

<a href="#">23</a>	12 of 15	<b>WSW/172.5</b>	<b>85.9 / 4.00</b>	<b>954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8</b>	<b>GEN</b>
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**Generator No:** ON5315252  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 232  
**Waste Class Name:** POLYMERIC RESINS  
  
**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES  
  
**Waste Class:** 252  
**Waste Class Name:** WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			

[23](#) 13 of 15 **WSW/172.5** **85.9 / 4.00** **Ultra Electronics TCS Inc.**  
**88 Hines Road**  
**Ottawa ON** **GEN**

**Generator No:** ON7263654  
**SIC Code:** 335990  
**SIC Description:** All Other Electrical Equipment and Component Manufacturing  
**Approval Years:** 2011  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 146  
**Waste Class Name:** OTHER SPECIFIED INORGANICS

**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS

**Waste Class:** 264  
**Waste Class Name:** PHOTOPROCESSING WASTES

**Waste Class:** 241  
**Waste Class Name:** HALOGENATED SOLVENTS

**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 148  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS

[23](#) 14 of 15 **WSW/172.5** **85.9 / 4.00** **ULTRA ELECTRONICS**  
**88 HINES RD**  
**OTTAWA ON K2K2T8** **GEN**

**Generator No:** ON4360723  
**SIC Code:** 334410  
**SIC Description:** SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING  
**Approval Years:** 2015  
**PO Box No:**  
**Country:** Canada



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>		No			
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">23</a>	15 of 15	WSW/172.5	85.9 / 4.00	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2B8	GEN
<b>Generator No:</b> ON5315252					
<b>SIC Code:</b> 335990					
<b>SIC Description:</b> ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING					
<b>Approval Years:</b> 2014					
<b>PO Box No:</b>					
<b>Country:</b> Canada					
<b>Status:</b>					
<b>Co Admin:</b> Nguyen Tieu					
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>		613-591-0768 Ext.			
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<a href="#">24</a>	1 of 7	WSW/172.5	84.8 / 2.97	TeleWatch Monitoring Services 84 Hines Rd Suite 130 Kanata ON K2K 3G3	SCT
<b>Established:</b>		2003			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Other Scientific and Technical Consulting Services			
<b>SIC/NAICS Code:</b>		541690			
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<a href="#">24</a>	2 of 7	WSW/172.5	84.8 / 2.97	<b>Metconnex Inc.</b> 84 Hines Road Suite 260 Ottawa ON	GEN
<b>Generator No:</b>		ON3229484			
<b>SIC Code:</b>		339990			
<b>SIC Description:</b>		All Other Miscellaneous Manufacturing			
<b>Approval Years:</b>		06			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<a href="#">24</a>	3 of 7	WSW/172.5	84.8 / 2.97	<b>Sidense Corp.</b> 84 Hines Rd Suite 260 Kanata ON K2K 3G3	SCT
<b>Established:</b>		01-AUG-04			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">24</a>	4 of 7	WSW/172.5	84.8 / 2.97	<b>Skyworks Solutions (Test Lab)</b> 84 Hines Rd, Suite 100 Kanata ON K2K 3G3	GEN
<b>Generator No:</b>		ON9560250			
<b>SIC Code:</b>		417310			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		COMPUTER, COMPUTER PERIPHERAL AND PRE-PACKAGED SOFTWARE WHOLESALER-DISTRIBUTORS 2016 Canada CO_OFFICIAL No No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			

<a href="#">24</a>	5 of 7	WSW/172.5	84.8 / 2.97	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN
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**Generator No:** ON7912119  
**SIC Code:** 417310  
**SIC Description:** COMPUTER, COMPUTER PERIPHERAL AND PRE-PACKAGED SOFTWARE WHOLESALER-DISTRIBUTORS  
**Approval Years:** 2016  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:**  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:**  
**Contaminated Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS

<a href="#">24</a>	6 of 7	WSW/172.5	84.8 / 2.97	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN
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**Generator No:** ON7912119  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2018  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 122 C  
**Waste Class Name:** Alkaline slutions - containing other metals and non-metals (not cyanide)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			

[24](#)      7 of 7      **WSW/172.5**      **84.8 / 2.97**      **Skyworks Solutions Inc**  
**100-84 Hines Road**  
**Kanata ON K2K 3G3**      **GEN**

**Generator No:** ON7912119  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Oct 2019  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 212 I  
**Waste Class Name:** Aliphatic solvents and residues

[25](#)      1 of 1      **SSE/173.3**      **80.9 / -0.97**      **ON**      **BORE**

<b>Borehole ID:</b>	609771	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511386	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>	NOV-1952	<b>Municipality:</b>	
<b>Static Water Level:</b>	-13.0	<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.343425
<b>Total Depth m:</b>	18.9	<b>Longitude DD:</b>	-75.918645
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	428031
<b>Drill Method:</b>		<b>Northing:</b>	5021512
<b>Orig Ground Elev m:</b>	82.3	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	78.2		
<b>Concession:</b>			
<b>Location D:</b>			
<b>Survey D:</b>			
<b>Comments:</b>			

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218384040	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	.9	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	18.9	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	SANDSTONE. 315.0 FEET.GRAVEL. BEDROCK. BEDROCK,LIMESTONE. 350220470450000001600000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Geology Stratum ID:</b>	218384039			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.9			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Soil			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		SOIL. BROWN.			

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>		<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 02279 NTS_Sheet:		
<b>Confiden 1:</b>			

**Source List**

<b>Source Identifier:</b>	1	<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey	<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972	<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies		
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Originators:</b>	Geological Survey of Canada		

**26**

1 of 1

**SSE/173.4**

**80.9 / -0.97**

**lot 8 con 3  
ON**

**WWIS**

<b>Well ID:</b>	1503343	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>	Domestic	<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0	<b>Data Src:</b>	1
<b>Final Well Status:</b>	Water Supply	<b>Date Received:</b>	12/01/1952
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>		<b>Contractor:</b>	1802
<b>Tag:</b>		<b>Form Version:</b>	1
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliability:</b>		<b>Lot:</b>	008
<b>Depth to Bedrock:</b>		<b>Concession:</b>	03
<b>Well Depth:</b>		<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	
<b>Pump Rate:</b>		<b>Northing NAD83:</b>	
<b>Static Water Level:</b>		<b>Zone:</b>	
<b>Clear/Cloudy:</b>		<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP		
<b>Site Info:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503343.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503343.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	11/25/1952
<b>Year Completed:</b>	1952

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth (m):		18.8976			
Latitude:		45.3434237229267			
Longitude:		-75.9186447387699			
X:		-75.91864457762533			
Y:		45.34342371629605			
Path:		150\1503343.pdf			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025386	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	428030.60
<b>Code OB Desc:</b>		<b>North83:</b>	5021512.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	11/25/1952	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Location Method Desc:</b>	Original Pre1985 UTM Rel Code 9: unknown UTM		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930996626
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Material 1:</b>	02
<b>Material 1 Desc:</b>	TOPSOIL
<b>Material 2:</b>	
<b>Material 2 Desc:</b>	
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	3.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930996627
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Material 1:</b>	18
<b>Material 1 Desc:</b>	SANDSTONE
<b>Material 2:</b>	
<b>Material 2 Desc:</b>	
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	3.0
<b>Formation End Depth:</b>	62.0
<b>Formation End Depth UOM:</b>	ft

**Method of Construction & Well**

**Use**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction ID:</b>		961503343			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573956			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043524			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043525			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		62.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>		PUMP			
<b>Pump Test ID:</b>		991503343			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20.0			
<b>Final Level After Pumping:</b>		30.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		4.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456237			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		55.0			
Water Found Depth UOM:		ft			

<a href="#">27</a>	1 of 1	ESE/173.7	79.6 / -2.31	3001 SOLANDT RD. KANATA ON	WWIS
Well ID:	7296271			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Water Supply			Date Received:	10/02/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z262367			Contractor:	1119
Tag:	A228985			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	MARCH TOWNSHIP				
Site Info:	BLOCK 18				

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/729\7296271.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7296271.pdf)

#### Additional Detail(s) (Map)

Well Completed Date: 08/30/2017  
Year Completed: 2017  
Depth (m): 55.7784  
Latitude: 45.3445114028557  
Longitude: -75.9165893549302  
X: -75.91658919331677  
Y: 45.344511396766556  
Path: 729\7296271.pdf

#### Bore Hole Information

Bore Hole ID:	1006747513	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	428193.00
Code OB Desc:		North83:	5021631.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	08/30/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

#### Overburden and Bedrock Materials Interval

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		1006933918			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		18			
<b>Material 1 Desc:</b>		SANDSTONE			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		75.0			
<b>Formation End Depth:</b>		90.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006933921			
<b>Layer:</b>		7			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Material 1:</b>		21			
<b>Material 1 Desc:</b>		GRANITE			
<b>Material 2:</b>		20			
<b>Material 2 Desc:</b>		QUARTZITE			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		173.0			
<b>Formation End Depth:</b>		183.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006933917			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		18			
<b>Material 1 Desc:</b>		SANDSTONE			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		50.0			
<b>Formation End Depth:</b>		75.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006933920			
<b>Layer:</b>		6			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Material 1:</b>		21			
<b>Material 1 Desc:</b>		GRANITE			
<b>Material 2:</b>		20			
<b>Material 2 Desc:</b>		QUARTZITE			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		125.0			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>			173.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933915		
<b>Layer:</b>			1		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		
<b>Material 1:</b>			05		
<b>Material 1 Desc:</b>			CLAY		
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>			0.0		
<b>Formation End Depth:</b>			45.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933916		
<b>Layer:</b>			2		
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>			28		
<b>Material 1 Desc:</b>			SAND		
<b>Material 2:</b>			11		
<b>Material 2 Desc:</b>			GRAVEL		
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>			45.0		
<b>Formation End Depth:</b>			50.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006933919		
<b>Layer:</b>			5		
<b>Color:</b>			7		
<b>General Color:</b>			RED		
<b>Material 1:</b>			21		
<b>Material 1 Desc:</b>			GRANITE		
<b>Material 2:</b>			20		
<b>Material 2 Desc:</b>			QUARTZITE		
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>			90.0		
<b>Formation End Depth:</b>			125.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>			1006933958		
<b>Layer:</b>			1		
<b>Plug From:</b>			56.0		
<b>Plug To:</b>			46.0		
<b>Plug Depth UOM:</b>			ft		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006933959			
<b>Layer:</b>		2			
<b>Plug From:</b>		46.0			
<b>Plug To:</b>		0.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006933957			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>		SURGE			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006933913			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006933928			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>		56.0			
<b>Depth To:</b>		183.0			
<b>Casing Diameter:</b>		6.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006933927			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-2.0			
<b>Depth To:</b>		56.0			
<b>Casing Diameter:</b>		6.25			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006933929			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1006933914			
<b>Pump Set At:</b>		140.0			
<b>Static Level:</b>		6.0			
<b>Final Level After Pumping:</b>		88.5999984741211			
<b>Recommended Pump Depth:</b>		140.0			
<b>Pumping Rate:</b>		7.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		7.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933941			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		17.399999618530273			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933942			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		63.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933935			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		46.29999923706055			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933951			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933931			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		62.0			
<b>Test Level UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933936			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		37.20000076293945			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933945			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933947			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933948			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		76.9000015258789			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933949			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933953			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		6.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933954			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		88.5999984741211			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006933932			
<b>Test Type:</b>		Draw Down			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>			2		
<i>Test Level:</i>			25.200000762939453		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933934		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			3		
<i>Test Level:</i>			32.0		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933939		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			5		
<i>Test Level:</i>			35.0		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933944		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			20		
<i>Test Level:</i>			71.5		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933946		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			25		
<i>Test Level:</i>			74.5999984741211		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933955		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			60		
<i>Test Level:</i>			6.0		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933940		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			10		
<i>Test Level:</i>			57.79999923706055		
<i>Test Level UOM:</i>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			1006933943		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			10.600000381469727		
<i>Test Level UOM:</i>			ft		



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933952		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			50		
<b>Test Level:</b>			84.5999984741211		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933933		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			53.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933937		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			4		
<b>Test Level:</b>			40.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933930		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			1		
<b>Test Level:</b>			16.899999618530273		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933938		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			5		
<b>Test Level:</b>			41.20000076293945		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006933950		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			40		
<b>Test Level:</b>			80.4000015258789		
<b>Test Level UOM:</b>			ft		
<b><u>Water Details</u></b>					
<b>Water ID:</b>			1006933925		
<b>Layer:</b>			2		
<b>Kind Code:</b>			8		
<b>Kind:</b>			Untested		
<b>Water Found Depth:</b>			125.0		
<b>Water Found Depth UOM:</b>			ft		
<b><u>Water Details</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water ID:</b>		1006933926			
<b>Layer:</b>		3			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		173.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006933924			
<b>Layer:</b>		1			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		75.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006933923			
<b>Diameter:</b>		6.0			
<b>Depth From:</b>		56.0			
<b>Depth To:</b>		183.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006933922			
<b>Diameter:</b>		9.75			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		56.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

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<b>Well ID:</b>	7393876	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>		<b>Data Entry Status:</b>	Yes
<b>Use 2nd:</b>		<b>Data Src:</b>	
<b>Final Well Status:</b>		<b>Date Received:</b>	07/28/2021
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>	C50172	<b>Contractor:</b>	7328
<b>Tag:</b>	A307318	<b>Form Version:</b>	8
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>		<b>Lot:</b>	
<b>Depth to Bedrock:</b>		<b>Concession:</b>	
<b>Well Depth:</b>		<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	
<b>Pump Rate:</b>		<b>Northing NAD83:</b>	
<b>Static Water Level:</b>		<b>Zone:</b>	
<b>Clear/Cloudy:</b>		<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP		
<b>Site Info:</b>			

**Additional Detail(s) (Map)**

<b>Bore Hole ID:</b>	1008730152	<b>Tag No:</b>	A307318
<b>Depth M:</b>		<b>Contractor:</b>	7328

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Year Completed:</b>	2021			<b>Latitude:</b>	45.3463576855216
<b>Well Completed Dt:</b>	06/29/2021			<b>Longitude:</b>	-75.9153426479555
<b>Audit No:</b>	C50172			<b>Y:</b>	45.34635767964541
<b>Path:</b>				<b>X:</b>	-75.91534248646767

**Bore Hole Information**

<b>Bore Hole ID:</b>	1008730152	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	428293.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021835.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	06/29/2021	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

<a href="#">29</a>	1 of 1	NNW/183.6	79.9 / -1.94	MINTO DEVELOPMENTS INC. LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	CA
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**Certificate #:** 3-0976-95-  
**Application Year:** 95  
**Issue Date:** 7/20/1995  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

<a href="#">30</a>	1 of 1	W/190.3	84.8 / 2.88	555, 591, 595, and 603 March Road Kanata ON K2K 2M5	EHS
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<b>Order No:</b>	22051300303	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	RSC Report - Quote	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	01-JUN-22	<b>Search Radius (km):</b>	.3
<b>Date Received:</b>	13-MAY-22	<b>X:</b>	-75.92442977
<b>Previous Site Name:</b>		<b>Y:</b>	45.3471724
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans; City Directory		

<a href="#">31</a>	1 of 4	SW/193.1	83.8 / 1.95	70 Hines Rd. Kanata ON K2K 2M5	EHS
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<b>Order No:</b>	20030506003	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Complete Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	5/14/03	<b>Search Radius (km):</b>	0.35

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date Received:</b> 5/6/03 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
				<b>X:</b> -75.922054 <b>Y:</b> 45.345364	
<a href="#">31</a>	2 of 4	SW/193.1	83.8 / 1.95	2117547 Ontario Inc. 70 Hines Rd Ottawa ON	CA
<b>Certificate #:</b> 1183-8GPFW8 <b>Application Year:</b> 2011 <b>Issue Date:</b> 5/20/2011 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">31</a>	3 of 4	SW/193.1	83.8 / 1.95	2117547 Ontario Inc. 70 Hines Rd Ottawa ON K2V 1B8	ECA
<b>Approval No:</b> 1183-8GPFW8 <b>Approval Date:</b> 2011-05-20 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Mississippi Valley <b>Approval Type:</b> ECA-AIR <b>Project Type:</b> AIR <b>Business Name:</b> 2117547 Ontario Inc. <b>Address:</b> 70 Hines Rd <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4593-89YRCE-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4593-89YRCE-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">31</a>	4 of 4	SW/193.1	83.8 / 1.95	Rogers Communications Inc. 70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	SPL
<b>Ref No:</b> 4845-BF9RH6 <b>Year:</b> <b>Incident Dt:</b> 8/20/2019 <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 8/21/2019 <b>Dt Document Closed:</b> <b>Site No:</b> NA; 3801-89YRCZ <b>MOE Response:</b> No <b>Site County/District:</b> NA <b>Site Geo Ref Meth:</b> NA <b>Site District Office:</b> Ottawa; Ottawa <b>Nearest Watercourse:</b> <b>Site Name:</b> Legion Branch 638<UNOFFICIAL>; 70 Hines Road <b>Site Address:</b> 70 Hines Rd.; 70 Hines Rd <b>Site Region:</b> Eastern					
<b>Municipality No:</b> <b>Nature of Damage:</b> <b>Discharger Report:</b> <b>Material Group:</b> <b>Impact to Health:</b> 2 - Minor Environment <b>Agency Involved:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Site Municipality:</b>		Ottawa; Ottawa			
<b>Site Lot:</b>					
<b>Site Conc:</b>		NA			
<b>Site Geo Ref Accu:</b>		NA			
<b>Site Map Datum:</b>		NA			
<b>Northing:</b>		NA			
<b>Easting:</b>		NA			
<b>Incident Cause:</b>					
<b>Incident Preceding Spill:</b>		Leak/Break			
<b>Environment Impact:</b>					
<b>Health Env Consequence:</b>					
<b>Nature of Impact:</b>					
<b>Contaminant Qty:</b>		250 L			
<b>System Facility Address:</b>					
<b>Client Name:</b>		Rogers Communications Inc.			
<b>Client Type:</b>		Corporation			
<b>Source Type:</b>		Valve/Fitting/Piping			
<b>Contaminant Code:</b>		13			
<b>Contaminant Name:</b>		DIESEL FUEL			
<b>Contaminant Limit 1:</b>					
<b>Contam Limit Freq 1:</b>					
<b>Contaminant UN No 1:</b>		1202			
<b>Receiving Medium:</b>		Land; Source Water Zone			
<b>Incident Reason:</b>		Material Failure - Poor Design/Substandard Material			
<b>Incident Summary:</b>		Rogers: ~150-250L diesel to ground/cracked line			
<b>Activity Preceding Spill:</b>					
<b>Property 2nd Watershed:</b>					
<b>Property Tertiary Watershed:</b>					
<b>Sector Type:</b>		Unknown / N/A			
<b>SAC Action Class:</b>		Land Spills			
<b>Call Report Locatn Geodata:</b>					

[32](#)    1 of 1    **WNW/198.5**    **83.9 / 2.03**    **603 March Road lot 9 con 3**  
**Kanata ON**    **WWIS**

<b>Well ID:</b>	7405268	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring	<b>Data Entry Status:</b>	
<b>Use 2nd:</b>		<b>Data Src:</b>	
<b>Final Well Status:</b>	Observation Wells	<b>Date Received:</b>	12/08/2021
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>	Z6EP8U5Z	<b>Contractor:</b>	7675
<b>Tag:</b>	A311085	<b>Form Version:</b>	9
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>		<b>Lot:</b>	009
<b>Depth to Bedrock:</b>		<b>Concession:</b>	03
<b>Well Depth:</b>		<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	
<b>Pump Rate:</b>		<b>Northing NAD83:</b>	
<b>Static Water Level:</b>		<b>Zone:</b>	
<b>Clear/Cloudy:</b>		<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP		
<b>Site Info:</b>			

**Additional Detail(s) (Map)**

<b>Bore Hole ID:</b>	1008877133	<b>Tag No:</b>	A311085
<b>Depth M:</b>	9.144	<b>Contractor:</b>	7675
<b>Year Completed:</b>	2021	<b>Latitude:</b>	45.3479699054041
<b>Well Completed Dt:</b>	11/18/2021	<b>Longitude:</b>	-75.9241640040502
<b>Audit No:</b>	Z6EP8U5Z	<b>Y:</b>	45.34796989883108

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:				X:	-75.92416384248261

**Bore Hole Information**

<b>Bore Hole ID:</b>	1008877133	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427604.00
<b>Code OB Desc:</b>		<b>North83:</b>	5022022.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	11/18/2021	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1008877310
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Material 1:</b>	
<b>Material 1 Desc:</b>	
<b>Material 2:</b>	02
<b>Material 2 Desc:</b>	TOPSOIL
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	1.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1008877311
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Material 1:</b>	15
<b>Material 1 Desc:</b>	LIMESTONE
<b>Material 2:</b>	
<b>Material 2 Desc:</b>	
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	1.0
<b>Formation End Depth:</b>	30.0
<b>Formation End Depth UOM:</b>	ft

**Annular Space/Abandonment**

**Sealing Record**

<b>Plug ID:</b>	1008877454
<b>Layer:</b>	2
<b>Plug From:</b>	1.0
<b>Plug To:</b>	19.0

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877453			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877427			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877455			
<b>Layer:</b>		3			
<b>Plug From:</b>		19.0			
<b>Plug To:</b>		30.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008877229			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008877189			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008877354			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		20.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008877381			
<b>Layer:</b>		1			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Slot:</b>					
		10			
<b>Screen Top Depth:</b>		20.0			
<b>Screen End Depth:</b>		30.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
 <b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008877190			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
 <b><u>Water Details</u></b>					
<b>Water ID:</b>		1008877271			
<b>Layer:</b>		1			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		23.0			
<b>Water Found Depth UOM:</b>		ft			
 <b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008877402			
<b>Diameter:</b>		8.0			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
 <b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008877403			
<b>Diameter:</b>		4.0			
<b>Depth From:</b>		1.0			
<b>Depth To:</b>		30.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

**33**

1 of 1

WNW/199.8

83.8 / 1.97

603 March Road lot 9 con 3  
Kanata ON

WWIS

**Well ID:** 7408599**Construction Date:****Use 1st:** Monitoring**Use 2nd:****Flowing (Y/N):****Flow Rate:****Data Entry Status:****Data Src:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Final Well Status:</b>	Abandoned-Quality			<b>Date Received:</b>	01/18/2022
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>	D8FEDWG8			<b>Contractor:</b>	7675
<b>Tag:</b>	A311091			<b>Form Version:</b>	9
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliability:</b>				<b>Lot:</b>	009
<b>Depth to Bedrock:</b>				<b>Concession:</b>	03
<b>Well Depth:</b>				<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP				
<b>Site Info:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/740\7408599.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408599.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 12/22/2021  
**Year Completed:** 2021  
**Depth (m):** 12.8016  
**Latitude:** 45.3478519731687  
**Longitude:** -75.9242769732984  
**X:** -75.92427681189048  
**Y:** 45.347851966562025  
**Path:** 740\7408599.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1008930840	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427595.00
<b>Code OB Desc:</b>		<b>North83:</b>	5022009.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/22/2021	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1008930978  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 02  
**Material 1 Desc:** TOPSOIL  
**Material 2:** 12  
**Material 2 Desc:** STONES  
**Material 3:** 77  
**Material 3 Desc:** LOOSE  
**Formation Top Depth:** 0.0

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>		4.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1008930979			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		15			
<b>Material 1 Desc:</b>		LIMESTONE			
<b>Material 2:</b>		18			
<b>Material 2 Desc:</b>		SANDSTONE			
<b>Material 3:</b>		73			
<b>Material 3 Desc:</b>		HARD			
<b>Formation Top Depth:</b>		4.0			
<b>Formation End Depth:</b>		42.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931077			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931099			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		30.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931100			
<b>Layer:</b>		2			
<b>Plug From:</b>		30.0			
<b>Plug To:</b>		42.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008930936			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008930898			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008931009			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		32.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008931029			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		32.0			
<b>Screen End Depth:</b>		42.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008930899			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931052			
<b>Diameter:</b>		4.0			
<b>Depth From:</b>		4.0			
<b>Depth To:</b>		42.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931051			
<b>Diameter:</b>		8.0			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		4.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">34</a>	1 of 11	E/200.0	79.0 / -2.89	SR TELECOM 425 LEGGET DR KANATA ON K2K 2W2	SCT
<b>Established:</b>		1986			
<b>Plant Size (ft²):</b>		0			
<b>Employment:</b>		200			
<b>--Details--</b>					
<b>Description:</b>		RADIO AND TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT			
<b>SIC/NAICS Code:</b>		3663			
<a href="#">34</a>	2 of 11	E/200.0	79.0 / -2.89	425 Legget Dr Kanata ON K2K 2W2	EHS
<b>Order No:</b>		20010711004	<b>Nearest Intersection:</b>		
<b>Status:</b>		C	<b>Municipality:</b>		
<b>Report Type:</b>		Complete Report	<b>Client Prov/State:</b> ON		
<b>Report Date:</b>		7/16/01	<b>Search Radius (km):</b> 0.25		
<b>Date Received:</b>		7/11/01	<b>X:</b> -75.914926		
<b>Previous Site Name:</b>			<b>Y:</b> 45.344584		
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">34</a>	3 of 11	E/200.0	79.0 / -2.89	SR TELECOM INC. 425 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b>		ON2171800			
<b>SIC Code:</b>		3351			
<b>SIC Description:</b>		TELECOMMUNICATIONS			
<b>Approval Years:</b>		96,97,98,99			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">34</a>	4 of 11	E/200.0	79.0 / -2.89	C-MAC KANATA INC. 425 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b>		ON2171800			
<b>SIC Code:</b>		3351			
<b>SIC Description:</b>		TELECOMMUNICATIONS			
<b>Approval Years:</b>		00,01			
<b>PO Box No:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Country:  
Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

Detail(s)

Waste Class: 148  
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 263  
Waste Class Name: ORGANIC LABORATORY CHEMICALS

<a href="#">34</a>	5 of 11	E/200.0	79.0 / -2.89	C-MAC KANATA INC. 425 LEGETT DRIVE KANATA ON K2K 2W2	GEN
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Generator No: ON2171800  
SIC Code:  
SIC Description:  
Approval Years: 02  
PO Box No:  
Country:  
Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

Detail(s)

Waste Class: 145  
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146  
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 148  
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212  
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263  
Waste Class Name: ORGANIC LABORATORY CHEMICALS

<a href="#">34</a>	6 of 11	E/200.0	79.0 / -2.89	C-MAC ELECTRONIC SYSTEM INC., SOLECTRON COMPANY 425 LEGETT DRIVE KANATA ON	GEN
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Generator No: ON2171800  
SIC Code: 334110  
SIC Description: Computer & Peripheral Equipment Mfg.  
Approval Years: 03,04,05,06  
PO Box No:  
Country:  
Status:  
Co Admin:

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		211			
<b>Waste Class Name:</b>		AROMATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		262			
<b>Waste Class Name:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		265			
<b>Waste Class Name:</b>		GRAPHIC ART WASTES			
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			

[34](#)

7 of 11

*E/200.0*

*79.0 / -2.89*

*Solectron EMS Canada  
425 Legget Dr  
Kanata ON K2K 2W2*

**SCT**

**Established:**

1977

**Plant Size (ft<sup>2</sup>):**

300

**Employment:**

**--Details--**

**Description:**

Semiconductor and Other Electronic Component Manufacturing

**SIC/NAICS Code:**

334410



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">34</a>	8 of 11	E/200.0	79.0 / -2.89	425 Legget Drive Ottawa ON	EHS
<b>Order No:</b>	20120213010			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	2/17/2012 10:02:42 AM			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	2/13/2012 10:00:24 AM			<b>X:</b>	-75.915606
<b>Previous Site Name:</b>				<b>Y:</b>	45.345057
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">34</a>	9 of 11	E/200.0	79.0 / -2.89	AVAYA CANADA CORP 425 LEGGET DRIVE OTTAWA ON K2K 2W2	EASR
<b>Approval No:</b>	R-002-4150428271			<b>MOE District:</b>	Ottawa
<b>Status:</b>	REGISTERED			<b>Municipality:</b>	OTTAWA
<b>Date:</b>	2012-08-27			<b>Latitude:</b>	45.345882
<b>Record Type:</b>	EASR			<b>Longitude:</b>	-75.91489
<b>Link Source:</b>	MOFA			<b>Geometry X:</b>	
<b>Project Type:</b>	Standby Power System			<b>Geometry Y:</b>	
<b>Full Address:</b>					
<b>Approval Type:</b>	EASR-Standby Power System				
<b>SWP Area Name:</b>	Mississippi Valley				
<b>PDF NAICS Code:</b>					
<b>PDF URL:</b>					
<b>PDF Site Location:</b>					
<a href="#">34</a>	10 of 11	E/200.0	79.0 / -2.89	425 Legget Drive Property GP Inc. 425 Legget Dr Ottawa ON	ECA
<b>Approval No:</b>	6998-95YSRC			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2013-03-21			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.91489
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.345882
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Business Name:</b>	425 Legget Drive Property GP Inc.				
<b>Address:</b>	425 Legget Dr				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2476-8VQN7M-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2476-8VQN7M-14.pdf</a>				
<b>PDF Site Location:</b>					
<a href="#">34</a>	11 of 11	E/200.0	79.0 / -2.89	425 Legget Drive Kanata ON K2K 3C9	EHS
<b>Order No:</b>	20292800081			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	01-OCT-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	28-SEP-20			<b>X:</b>	-75.9150514
<b>Previous Site Name:</b>				<b>Y:</b>	45.3456468
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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[35](#) 1 of 1 W/201.8 85.8 / 3.94 591 MARCH ROAD lot 9 con 3 KANATA ON WWIS

<b>Well ID:</b>	7151742	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>	Test Hole	<b>Data Entry Status:</b>	
<b>Use 2nd:</b>		<b>Data Src:</b>	
<b>Final Well Status:</b>	Test Hole	<b>Date Received:</b>	09/22/2010
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>	Z107013	<b>Contractor:</b>	6964
<b>Tag:</b>	A094409	<b>Form Version:</b>	7
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliability:</b>		<b>Lot:</b>	009
<b>Depth to Bedrock:</b>		<b>Concession:</b>	03
<b>Well Depth:</b>		<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	
<b>Pump Rate:</b>		<b>Northing NAD83:</b>	
<b>Static Water Level:</b>		<b>Zone:</b>	
<b>Clear/Cloudy:</b>		<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP		
<b>Site Info:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/715\7151742.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7151742.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 07/20/2010  
**Year Completed:** 2010  
**Depth (m):** 7.85  
**Latitude:** 45.3465988786813  
**Longitude:** -75.9245118807105  
**X:** -75.92451171956989  
**Y:** 45.34659887221653  
**Path:** 715\7151742.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1003338591	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427575.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021870.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	07/20/2010	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1003478979

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		11			
<b>Material 1 Desc:</b>		GRAVEL			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		1.4199999570846558			
<b>Formation End Depth:</b>		1.899999976158142			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1003478976			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.03999999910593033			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1003478977			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		28			
<b>Material 1 Desc:</b>		SAND			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>		84			
<b>Material 3 Desc:</b>		SILTY			
<b>Formation Top Depth:</b>		0.03999999910593033			
<b>Formation End Depth:</b>		0.46000000834465027			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1003478978			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		05			
<b>Material 1 Desc:</b>		CLAY			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>		84			
<b>Material 3 Desc:</b>		SILTY			
<b>Formation Top Depth:</b>		0.46000000834465027			
<b>Formation End Depth:</b>		1.4199999570846558			
<b>Formation End Depth UOM:</b>		m			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1003478980			
<b>Layer:</b>		5			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		18			
<b>Material 1 Desc:</b>		SANDSTONE			
<b>Material 2:</b>		16			
<b>Material 2 Desc:</b>		DOLOMITE			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		1.899999976158142			
<b>Formation End Depth:</b>		7.849999904632568			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003478983			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		6.0			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003478984			
<b>Layer:</b>		2			
<b>Plug From:</b>		6.0			
<b>Plug To:</b>		7.849999904632568			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1003478989			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1003478975			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1003478986			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		6.349999904632568			
<b>Casing Diameter:</b>		3.5			
<b>Casing Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1003478987				
<b>Layer:</b>	1				
<b>Slot:</b>	10				
<b>Screen Top Depth:</b>	6.349999904632568				
<b>Screen End Depth:</b>	7.849999904632568				
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	m				
<b>Screen Diameter UOM:</b>	cm				
<b>Screen Diameter:</b>	4.099999904632568				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	1003478985				
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>	m				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1003478981				
<b>Diameter:</b>	7.5				
<b>Depth From:</b>	0.0				
<b>Depth To:</b>	1.8799999952316284				
<b>Hole Depth UOM:</b>	m				
<b>Hole Diameter UOM:</b>	cm				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1003478982				
<b>Diameter:</b>	5.699999809265137				
<b>Depth From:</b>	1.8799999952316284				
<b>Depth To:</b>	7.849999904632568				
<b>Hole Depth UOM:</b>	m				
<b>Hole Diameter UOM:</b>	cm				

<b><u>36</u></b>	<b>1 of 1</b>	<b>SSW/202.1</b>	<b>82.2 / 0.31</b>	<b>495 and 505 March Road and 11, 40, 50, 80 and 84 Hines Road, Ottawa, Ontario Kanata ON K2K</b>	<b>EHS</b>
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<b>Order No:</b>	20190916105	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	19-SEP-19	<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	16-SEP-19	<b>X:</b>	-75.920977
<b>Previous Site Name:</b>		<b>Y:</b>	45.343533
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>			

<b><u>37</u></b>	<b>1 of 1</b>	<b>E/210.0</b>	<b>79.0 / -2.92</b>	<b>370-450 Huntmar Drive Ottawa ON</b>	<b>EHS</b>
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<b>Order No:</b>	21091500316	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	RSC Report - Quote	<b>Client Prov/State:</b>	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Report Date:</b> 20-SEP-21 <b>Date Received:</b> 15-SEP-21 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Search Radius (km):</b> .3 <b>X:</b> -75.91494054 <b>Y:</b> 45.34558141					
<a href="#">38</a>	1 of 33	NE/213.9	75.9 / -5.97	525 Legget Drive Ottawa (Formerly Kanata) ON K2K 2W2	EHS
<b>Order No:</b> 20070627004 <b>Status:</b> C <b>Report Type:</b> CAN - Complete Report <b>Report Date:</b> 7/6/2007 <b>Date Received:</b> 6/27/2007 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> 4.55 Acre <b>Additional Info Ordered:</b> City Directory					
<b>Nearest Intersection:</b> Terry Fox Drive and Legget Drive <b>Municipality:</b> Ottawa <b>Client Prov/State:</b> <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.918152 <b>Y:</b> 45.348691					
<a href="#">38</a>	2 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b> ON7945197 <b>SIC Code:</b> 721111 <b>SIC Description:</b> Hotels <b>Approval Years:</b> 2009 <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 113					
<b>Waste Class Name:</b> ACID WASTE - OTHER METALS					
<b>Waste Class:</b> 121					
<b>Waste Class Name:</b> ALKALINE WASTES - HEAVY METALS					
<b>Waste Class:</b> 145					
<b>Waste Class Name:</b> PAINT/PIGMENT/COATING RESIDUES					
<b>Waste Class:</b> 146					
<b>Waste Class Name:</b> OTHER SPECIFIED INORGANICS					
<b>Waste Class:</b> 212					
<b>Waste Class Name:</b> ALIPHATIC SOLVENTS					
<b>Waste Class:</b> 213					
<b>Waste Class Name:</b> PETROLEUM DISTILLATES					
<b>Waste Class:</b> 263					
<b>Waste Class Name:</b> ORGANIC LABORATORY CHEMICALS					
<b>Waste Class:</b> 331					
<b>Waste Class Name:</b> WASTE COMPRESSED GASES					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">38</a>	3 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN

**Generator No:** ON7945197  
**SIC Code:** 721111  
**SIC Description:** Hotels  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS  
  
**Waste Class:** 113  
**Waste Class Name:** ACID WASTE - OTHER METALS  
  
**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES  
  
**Waste Class:** 146  
**Waste Class Name:** OTHER SPECIFIED INORGANICS  
  
**Waste Class:** 263  
**Waste Class Name:** ORGANIC LABORATORY CHEMICALS  
  
**Waste Class:** 145  
**Waste Class Name:** PAINT/PIGMENT/COATING RESIDUES  
  
**Waste Class:** 121  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS  
  
**Waste Class:** 213  
**Waste Class Name:** PETROLEUM DISTILLATES

<a href="#">38</a>	4 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
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**Generator No:** ON7945197  
**SIC Code:** 721111  
**SIC Description:** Hotels  
**Approval Years:** 2011  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b> <b>Waste Class Name:</b>		113 ACID WASTE - OTHER METALS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		146 OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		121 ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		212 ALIPHATIC SOLVENTS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		213 PETROLEUM DISTILLATES			
<b>Waste Class:</b> <b>Waste Class Name:</b>		263 ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b> <b>Waste Class Name:</b>		145 PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b> <b>Waste Class Name:</b>		331 WASTE COMPRESSED GASES			
<a href="#">38</a>	5 of 33	NE/213.9	75.9 / -5.97	Sannoufi Medicine Professional Corporation 525 Legget Dr. Suite 150 Kanata ON K2K 2W2	GEN
<b>Generator No:</b>		ON8874529			
<b>SIC Code:</b>		621110			
<b>SIC Description:</b>					
<b>Approval Years:</b>		2011			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">38</a>	6 of 33	NE/213.9	75.9 / -5.97	Sannoufi Medicine Professional Corporation 525 Legget Dr. Suite 150 Kanata ON K2K 2W2	GEN
<b>Generator No:</b>		ON8874529			
<b>SIC Code:</b>		621110			
<b>SIC Description:</b>		Offices of Physicians			
<b>Approval Years:</b>		2012			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">38</a>	7 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b>		ON7945197			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		721111 Hotels 2012			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		113			
<b>Waste Class Name:</b>		ACID WASTE - OTHER METALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<a href="#"><u>38</u></a>	8 of 33	<b>NE/213.9</b>	<b>75.9 / -5.97</b>	<b>Sannoufi Medicine Professional Corporation 525 Legget Dr. Suite 150 Kanata ON</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON8874529 621110 OFFICES OF PHYSICIANS 2013			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			
<a href="#"><u>38</u></a>	9 of 33	<b>NE/213.9</b>	<b>75.9 / -5.97</b>	<b>BROOKSTREET 525 LEGGET DRIVE</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>KANATA ON</b>					
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON7945197 721111 HOTELS 2013			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		113			
<b>Waste Class Name:</b>		ACID WASTE - OTHER METALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<a href="#">38</a>	10 of 33	NE/213.9	75.9 / -5.97	Legget Drive Development Inc. 515 and 525 Legget Dr Ottawa ON K1P 6E2	ECA
<b>Approval No:</b> <b>Approval Date:</b> <b>Status:</b> <b>Record Type:</b> <b>Link Source:</b> <b>SWP Area Name:</b> <b>Approval Type:</b> <b>Project Type:</b> <b>Business Name:</b>		3598-9STV8V 2015-01-16 Approved ECA IDS		<b>MOE District:</b> <b>City:</b> <b>Longitude:</b> <b>Latitude:</b> <b>Geometry X:</b> <b>Geometry Y:</b>	
		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Legget Drive Development Inc.			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Address:		515 and 525 Legget Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/7005-9RARBH-14.pdf			
PDF Site Location:					
<a href="#">38</a>	11 of 33	NE/213.9	75.9 / -5.97	Dr. Charles Kamel, Professional Dentistry Corporat 120 - 525 Legget Drive Kanata ON K2K 2W2	GEN
Generator No:		ON6156175			
SIC Code:		621390			
SIC Description:		OFFICES OF ALL OTHER HEALTH PRACTITIONERS			
Approval Years:		2016			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:		Janice Ho			
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:		613.599.2222 Ext.			
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Name:		PATHOLOGICAL WASTES			
<a href="#">38</a>	12 of 33	NE/213.9	75.9 / -5.97	Sannoufi Medicine Professional Corporation 525 Legget Dr. Suite 150 Kanata ON K2K2W2	GEN
Generator No:		ON8874529			
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
Approval Years:		2016			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:		Reham Sannoufi			
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:		6135920862 Ext.			
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Name:		PATHOLOGICAL WASTES			
<a href="#">38</a>	13 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
Generator No:		ON7945197			
SIC Code:		721111			
SIC Description:		HOTELS			
Approval Years:		2016			
PO Box No:					
Country:		Canada			
Status:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Co Admin:</b>					
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>		No			
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		113			
<b>Waste Class Name:</b>		ACID WASTE - OTHER METALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			

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**NE/213.9****75.9 / -5.97**

**Sannoufi Medicine Professional Corporation**  
**525 Legget Dr. Suite 150**  
**Kanata ON K2K2W2**

**GEN**

**Generator No:** ON8874529  
**SIC Code:** 621110  
**SIC Description:** OFFICES OF PHYSICIANS  
**Approval Years:** 2015  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:** Reham Sannoufi  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:** 6135920862 Ext.  
**Contaminated Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 312  
**Waste Class Name:** PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">38</a>	15 of 33	NE/213.9	75.9 / -5.97	Dr. Charles Kamel, Professional Dentistry Corporat 120 - 525 Legget Drive Kanata ON K2K 2W2	GEN
<b>Generator No:</b>		ON6156175			
<b>SIC Code:</b>		621390			
<b>SIC Description:</b>		OFFICES OF ALL OTHER HEALTH PRACTITIONERS			
<b>Approval Years:</b>		2015			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>					
<b>Co Admin:</b>		Janice Ho			
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>		613.599.2222 Ext.			
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312			
<b>Waste Class Name:</b>		PATHOLOGICAL WASTES			

<a href="#">38</a>	16 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b>		ON7945197			
<b>SIC Code:</b>		721111			
<b>SIC Description:</b>		HOTELS			
<b>Approval Years:</b>		2015			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>		CO_OFFICIAL			
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		113			
<b>Waste Class Name:</b>		ACID WASTE - OTHER METALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			

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**525 Legget Dr. Suite 150**  
**Kanata ON K2K2W2**      **GEN**

**Generator No:** ON8874529  
**SIC Code:** 621110  
**SIC Description:** OFFICES OF PHYSICIANS  
**Approval Years:** 2014  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:** Reham Sannoufi  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:** 6135920862 Ext.  
**Contaminated Facility:** No  
**MHSW Facility:** No

Detail(s)

**Waste Class:** 312  
**Waste Class Name:** PATHOLOGICAL WASTES

[38](#)      18 of 33      **NE/213.9**      **75.9 / -5.97**      **BROOKSTREET**  
**525 LEGGET DRIVE**  
**KANATA ON K2K 2W2**      **GEN**

**Generator No:** ON7945197  
**SIC Code:** 721111  
**SIC Description:** HOTELS  
**Approval Years:** 2014  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:**  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:**  
**Contaminated Facility:** No  
**MHSW Facility:** No

Detail(s)

**Waste Class:** 122  
**Waste Class Name:** ALKALINE WASTES - OTHER METALS

**Waste Class:** 145  
**Waste Class Name:** PAINT/PIGMENT/COATING RESIDUES

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		113			
<b>Waste Class Name:</b>		ACID WASTE - OTHER METALS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		213			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			

<a href="#">38</a>	19 of 33	<b>NE/213.9</b>	<b>75.9 / -5.97</b>	<b>Sannoufi Medicine Professional Corporation 525 Legget Dr. Suite 150 Kanata ON K2K2W2</b>	<b>GEN</b>
<b>Generator No:</b>		ON8874529			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Dec 2018			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			

<a href="#">38</a>	20 of 33	<b>NE/213.9</b>	<b>75.9 / -5.97</b>	<b>Dr. Charles Kamel, Professional Dentistry Corporat 120 - 525 Legget Drive Kanata ON K2K 2W2</b>	<b>GEN</b>
<b>Generator No:</b>		ON6156175			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Dec 2018			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Detail(s)

Waste Class: 312 P  
Waste Class Name: Pathological wastes

<a href="#">38</a>	21 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
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Generator No: ON7945197  
SIC Code:  
SIC Description:  
Approval Years: As of Dec 2018  
PO Box No:  
Country: Canada  
Status: Registered  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

Detail(s)

Waste Class: 145 I  
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 112 C  
Waste Class Name: Acid solutions - containing heavy metals

Waste Class: 113 C  
Waste Class Name: Acid solutions - containing other metals and non-metals

Waste Class: 121 C  
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Class: 146 T  
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 148 C  
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 I  
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 212 L  
Waste Class Name: Aliphatic solvents and residues

Waste Class: 213 I  
Waste Class Name: Petroleum distillates

Waste Class: 263 R  
Waste Class Name: Misc. waste organic chemicals

Waste Class: 331 I  
Waste Class Name: Waste compressed gases including cylinders

<a href="#">38</a>	22 of 33	NE/213.9	75.9 / -5.97	La Vie Medial Inc. 525 Legget Dr. Suite 150 Kanata ON K2K2W2	GEN
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Generator No: ON8874529

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> As of Jul 2020 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> Registered <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			

<a href="#">38</a>	23 of 33	<b>NE/213.9</b>	<b>75.9 / -5.97</b>	<b>BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2</b>	<b>GEN</b>
<b>Generator No:</b> ON7945197 <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> As of Jul 2020 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> Registered <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		Petroleum distillates			
<b>Waste Class:</b>		263 R			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		113 C			
<b>Waste Class Name:</b>		Acid solutions - containing other metals and non-metals			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<a href="#">38</a>	24 of 33	NE/213.9	75.9 / -5.97	Dr. Charles Kamel, Professional Dentistry Corporat 120 - 525 Legget Drive Kanata ON K2K 2W2	GEN
<b>Generator No:</b>		ON6156175			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Jul 2020			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<a href="#">38</a>	25 of 33	NE/213.9	75.9 / -5.97	Dr. Charles Kamel, Professional Dentistry Corporat 120 - 525 Legget Drive Kanata ON K2K 2W2	GEN
<b>Generator No:</b>		ON6156175			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Nov 2021			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<a href="#">38</a>	26 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b>		ON7945197			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Nov 2021			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		263 R			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		121 C			
<b>Waste Class Name:</b>		Alkaline slutions - containing heavy metals			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		Petroleum distillates			
<b>Waste Class:</b>		113 C			
<b>Waste Class Name:</b>		Acid solutions - containing other metals and non-metals			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<b>Waste Class:</b>		112 C			
<b>Waste Class Name:</b>		Acid solutions - containing heavy metals			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			

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NE/213.9

75.9 / -5.97

La Vie Medial Inc.  
525 Legget Dr. Suite 150  
Kanata ON K2K2W2

GEN

**Generator No:**

ON8874529

**SIC Code:****SIC Description:****Approval Years:**

As of Jan 2021

**PO Box No:****Country:**

Canada

**Status:**

Registered

**Co Admin:****Choice of Contact:****Phone No Admin:****Contaminated Facility:****MHSW Facility:****Detail(s)****Waste Class:**

312 P

**Waste Class Name:**

Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">38</a>	28 of 33	NE/213.9	75.9 / -5.97	La Vie Medial Inc. 525 Legget Dr. Suite 150 Kanata ON K2K2W2	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON8874529  As of Nov 2021  Canada Registered			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		312 P			
<b>Waste Class Name:</b>		Pathological wastes			
<a href="#">38</a>	29 of 33	NE/213.9	75.9 / -5.97	BROOKSTREET 525 LEGGET DRIVE KANATA ON K2K 2W2	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON7945197  As of Oct 2022  Canada Registered			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 R			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		148 I			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		213 I			
<b>Waste Class Name:</b>		PETROLEUM DISTILLATES			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><b>Waste Class:</b> 121 C <b>Waste Class Name:</b> ALKALINE WASTES - HEAVY METALS</p> <p><b>Waste Class:</b> 146 T <b>Waste Class Name:</b> OTHER SPECIFIED INORGANICS</p> <p><b>Waste Class:</b> 113 C <b>Waste Class Name:</b> ACID WASTE - OTHER METALS</p> <p><b>Waste Class:</b> 112 C <b>Waste Class Name:</b> ACID WASTE - HEAVY METALS</p>					
<a href="#">38</a>	30 of 33	NE/213.9	75.9 / -5.97	Dr. Charles Kamel, Professional Dentistry Corporat 120 - 525 Legget Drive Kanata ON K2K 2W2	GEN
<p><b>Generator No:</b> ON6156175 <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> As of Oct 2022 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> Registered <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b></p> <p><u>Detail(s)</u></p> <p><b>Waste Class:</b> 312 P <b>Waste Class Name:</b> PATHOLOGICAL WASTES</p>					
<a href="#">38</a>	31 of 33	NE/213.9	75.9 / -5.97	La Vie Medial Inc. 525 Legget Dr. Suite 150 Kanata ON K2K2W2	GEN
<p><b>Generator No:</b> ON8874529 <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> As of Oct 2022 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> Registered <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b></p> <p><u>Detail(s)</u></p> <p><b>Waste Class:</b> 312 P <b>Waste Class Name:</b> PATHOLOGICAL WASTES</p>					
<a href="#">38</a>	32 of 33	NE/213.9	75.9 / -5.97	Wesley Clover International Corporation 525 Legget Dr 359 Terry Fox Drive Ottawa ON K2K 0G7	ECA
<p><b>Approval No:</b> 8158-CMASST <b>MOE District:</b> Ottawa</p>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Date:</b>	January 18, 2023			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	
<b>Record Type:</b>	ECA			<b>Latitude:</b>	
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	-8451369.0618999992
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	5676467.7039000001
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS				
<b>Business Name:</b>	Wesley Clover International Corporation				
<b>Address:</b>	525 Legget Dr 359 Terry Fox Drive				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	https://www.accessenvironment.ene.gov.on.ca/instruments/8715-CLNL66-14.pdf				
<b>PDF Site Location:</b>	Brookstreet Apartments Part of Lot 8, Concession 4 City of Ottawa, Ontario				

<a href="#">38</a>	33 of 33	NE/213.9	75.9 / -5.97	525 LeGget Drive, Ottawa K2K2W2 OTTAWA ON	SPL
<b>Ref No:</b>	1-33Q10G			<b>Municipality No:</b>	
<b>Year:</b>				<b>Nature of Damage:</b>	
<b>Incident Dt:</b>				<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	3/27/2023 9:10:15 AM			<b>Impact to Health:</b>	0 No Impact
<b>Dt Document Closed:</b>	3/28/2023 9:24:05 AM			<b>Agency Involved:</b>	
<b>Site No:</b>					
<b>MOE Response:</b>	Desktop Response				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Site District Office:</b>	Ottawa District Office				
<b>Nearest Watercourse:</b>	cb				
<b>Site Name:</b>					
<b>Site Address:</b>	525 LeGget Drive, Ottawa K2K2W2				
<b>Site Region:</b>					
<b>Site Municipality:</b>	OTTAWA				
<b>Site Lot:</b>					
<b>Site Conc:</b>					
<b>Site Geo Ref Accu:</b>					
<b>Site Map Datum:</b>					
<b>Northing:</b>					
<b>Easting:</b>					
<b>Incident Cause:</b>					
<b>Incident Preceding Spill:</b>					
<b>Environment Impact:</b>	0 No Impact				
<b>Health Env Consequence:</b>					
<b>Nature of Impact:</b>					
<b>Contaminant Qty:</b>	0 other - see notes				
<b>System Facility Address:</b>					
<b>Client Name:</b>					
<b>Client Type:</b>					
<b>Source Type:</b>	Motor Vehicle				
<b>Contaminant Code:</b>					
<b>Contaminant Name:</b>	DIESEL FUEL				
<b>Contaminant Limit 1:</b>					
<b>Contam Limit Freq 1:</b>					
<b>Contaminant UN No 1:</b>					
<b>Receiving Medium:</b>	Land; Surface Water				
<b>Incident Reason:</b>	Unknown				
<b>Incident Summary:</b>	City of Ottawa - unk. amt. diesel to private cb				
<b>Activity Preceding Spill:</b>					
<b>Property 2nd Watershed:</b>	Lower Ottawa				
<b>Property Tertiary Watershed:</b>	02KE - Lower Madawaska				
<b>Sector Type:</b>	HOTELS				
<b>SAC Action Class:</b>					
<b>Call Report Locatn Geodata:</b>	{"integration_ids":["PR00003970127"],"wkts":["POINT (-75.9182498000 45.3482179000)"],"creation_date":"2023-				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
		03-27"}			

<b>39</b>	1 of 1	WNW/214.1	84.9 / 3.03	603 March Road lot 9 con 3 Kanata ON	WWIS
<b>Well ID:</b>	7405255			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>				<b>Data Src:</b>	
<b>Final Well Status:</b>	Observation Wells			<b>Date Received:</b>	12/08/2021
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>	6EE4U64B			<b>Contractor:</b>	7675
<b>Tag:</b>	A311084			<b>Form Version:</b>	9
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliability:</b>				<b>Lot:</b>	009
<b>Depth to Bedrock:</b>				<b>Concession:</b>	03
<b>Well Depth:</b>				<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	MARCH TOWNSHIP				
<b>Site Info:</b>					

**Additional Detail(s) (Map)**

<b>Bore Hole ID:</b>	1008876745	<b>Tag No:</b>	A311084
<b>Depth M:</b>	7.62	<b>Contractor:</b>	7675
<b>Year Completed:</b>	2021	<b>Latitude:</b>	45.3477055937838
<b>Well Completed Dt:</b>	11/18/2021	<b>Longitude:</b>	-75.9245681939739
<b>Audit No:</b>	6EE4U64B	<b>Y:</b>	45.34770558722818
<b>Path:</b>		<b>X:</b>	-75.92456803304529

**Bore Hole Information**

<b>Bore Hole ID:</b>	1008876745	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427572.00
<b>Code OB Desc:</b>		<b>North83:</b>	5021993.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	11/18/2021	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1008876895
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 1:</b>					
<b>Material 1 Desc:</b>					
<b>Material 2:</b> 02					
<b>Material 2 Desc:</b> TOPSOIL					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b> 0.0					
<b>Formation End Depth:</b> 3.0					
<b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 1008876896					
<b>Layer:</b> 2					
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b> 15					
<b>Material 1 Desc:</b> LIMESTONE					
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b> 3.0					
<b>Formation End Depth:</b> 25.0					
<b>Formation End Depth UOM:</b> ft					
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b> 1008877021					
<b>Layer:</b> 1					
<b>Plug From:</b> 0.0					
<b>Plug To:</b> 1.0					
<b>Plug Depth UOM:</b> ft					
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b> 1008877022					
<b>Layer:</b> 2					
<b>Plug From:</b> 1.0					
<b>Plug To:</b> 14.0					
<b>Plug Depth UOM:</b> ft					
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b> 1008877023					
<b>Layer:</b> 3					
<b>Plug From:</b> 14.0					
<b>Plug To:</b> 25.0					
<b>Plug Depth UOM:</b> ft					
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b> 1008876989					
<b>Layer:</b> 1					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b> ft					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Method of Construction & Well Use**

Method Construction ID: 1008876823  
Method Construction Code: 5  
Method Construction: Air Percussion  
Other Method Construction:

**Pipe Information**

Pipe ID: 1008876794  
Casing No: 0  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 1008876925  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0.0  
Depth To: 15.0  
Casing Diameter: 2.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 1008876946  
Layer: 1  
Slot: 10  
Screen Top Depth: 15.0  
Screen End Depth: 25.0  
Screen Material: 5  
Screen Depth UOM: ft  
Screen Diameter UOM: inch  
Screen Diameter: 2.0

**Results of Well Yield Testing**

Pumping Test Method Desc:  
Pump Test ID: 1008876795  
Pump Set At:  
Static Level:  
Final Level After Pumping:  
Recommended Pump Depth:  
Pumping Rate:  
Flowing Rate:  
Recommended Pump Rate:  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code:  
Water State After Test:  
Pumping Test Method:  
Pumping Duration HR:  
Pumping Duration MIN:  
Flowing:

**Water Details**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water ID:</b> 1008876856 <b>Layer:</b> 1 <b>Kind Code:</b> 8 <b>Kind:</b> Untested <b>Water Found Depth:</b> 21.0 <b>Water Found Depth UOM:</b> ft					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 1008876968 <b>Diameter:</b> 8.0 <b>Depth From:</b> 0.0 <b>Depth To:</b> 3.0 <b>Hole Depth UOM:</b> ft <b>Hole Diameter UOM:</b> inch					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 1008876969 <b>Diameter:</b> 4.0 <b>Depth From:</b> 3.0 <b>Depth To:</b> 25.0 <b>Hole Depth UOM:</b> ft <b>Hole Diameter UOM:</b> inch					
<a href="#">40</a>	1 of 21	SE/217.5	79.8 / -2.03	LOCKHEED CANADA INC. 3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	CA
<b>Certificate #:</b> 8-4021-94- <b>Application Year:</b> 94 <b>Issue Date:</b> 4/14/1994 <b>Approval Type:</b> Industrial air <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> DF-6218 DEVILBISS PAINT SPRAY BOOTH <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">40</a>	2 of 21	SE/217.5	79.8 / -2.03	LOCKHEED CANADA INC. 3001 SOLANDT ROAD KANATA CITY ON K2K 2M8	CA
<b>Certificate #:</b> 8-4029-94- <b>Application Year:</b> 94 <b>Issue Date:</b> 4/21/1994 <b>Approval Type:</b> Industrial air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EXHAUST FOR SPRAY BOOTH, COATING PROCESS <b>Contaminants:</b> Xylene, Ethyl Benzene, Toluene(Pentyl Methane)(Methyl Benzene), Methyl Ethyl Ketone (Butanone), Isopropyl Alcohol, Methyl Chloroform <b>Emission Control:</b> Panel Filter					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">40</a>	3 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA INC 3001 SOLANDT RD KANATA ON K2K 2M8	SCT
<b>Established:</b>		1988			
<b>Plant Size (ft²):</b>		0			
<b>Employment:</b>		300			
<b>--Details--</b>					
<b>Description:</b>		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3679			
<b>Description:</b>		SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEMS AND INSTRUMENTS			
<b>SIC/NAICS Code:</b>		3812			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">40</a>	4 of 21	SE/217.5	79.8 / -2.03	Lockheed Martin Canada Inc. 3001 Solandt Rd Kanata ON K2K 2M8	SCT
<b>Established:</b>		01-AUG-88			
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Navigational and Guidance Instruments Manufacturing			
<b>SIC/NAICS Code:</b>		334511			
<a href="#">40</a>	5 of 21	SE/217.5	79.8 / -2.03	3001 Solandt Road Kanata ON K2K 2M8	CA
<b>Certificate #:</b>		6668-4J6PK6			
<b>Application Year:</b>		00			
<b>Issue Date:</b>		5/12/00			
<b>Approval Type:</b>		Industrial air			
<b>Status:</b>		Approved			
<b>Application Type:</b>		Amended CofA			
<b>Client Name:</b>		Lockheed Martin Canada Inc.			
<b>Client Address:</b>		3001 Solandt Road			
<b>Client City:</b>		Kanata			
<b>Client Postal Code:</b>		K2K 2M8			
<b>Project Description:</b>		This is an application for an amendment to Air Certificate of Approval to add one conformal coater, one oven and one drip coater to be used between 2 - 3 hours per week..			
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">40</a>	6 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON0476102 3359 OTHER COMMUN. & ELE. 95,96,97,98,99,00,01,02,03,04,05,06,07,08			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			

[40](#)

7 of 21

SE/217.5

79.8 / -2.03

LOCKHEED MARTIN CANADA  
 3001 SOLANDT ROAD  
 KANATA ON K2K 2M8

GEN

**Generator No:** ON0476102  
**SIC Code:** 336410  
**SIC Description:** Aerospace Product and Parts Manufacturing  
**Approval Years:** 2009  
**PO Box No:**  
**Country:**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

**Detail(s)**

Waste Class: 112  
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 121  
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 145  
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148  
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212  
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 241  
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 253  
Waste Class Name: EMULSIFIED OILS

Waste Class: 263  
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 268  
Waste Class Name: AMINES

Waste Class: 331  
Waste Class Name: WASTE COMPRESSED GASES

<a href="#">40</a>	8 of 21	SE/217.5	79.8 / -2.03	Lockheed Martin Canada Inc. 3001 Solandt Road Ottawa ON K2K 2M8	EBR
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EBR Registry No: 011-8066  
Ministry Ref No: 0853-93TR59  
Notice Type: Instrument Proposal  
Notice Stage:  
Notice Date:  
Proposal Date: January 28, 2013  
Year: 2013  
Instrument Type: (EPA Part II.1) - Environmental Compliance Approval (project type: air)  
Off Instrument Name:  
Posted By:  
Company Name:  
Site Address:  
Location Other:  
Proponent Name:  
Proponent Address: 3001 Solandt Road Ottawa Ontario Canada K2K 2M8  
Comment Period:  
URL:

Decision Posted:  
Exception Posted:  
Section:  
Act 1:  
Act 2:  
Site Location Map:

**Site Location Details:**

3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<a href="#">40</a>	9 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
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**Generator No:** ON0476102  
**SIC Code:** 336410  
**SIC Description:** Aerospace Product and Parts Manufacturing  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 112  
**Waste Class Name:** ACID WASTE - HEAVY METALS  
  
**Waste Class:** 331  
**Waste Class Name:** WASTE COMPRESSED GASES  
  
**Waste Class:** 241  
**Waste Class Name:** HALOGENATED SOLVENTS  
  
**Waste Class:** 253  
**Waste Class Name:** EMULSIFIED OILS  
  
**Waste Class:** 148  
**Waste Class Name:** INORGANIC LABORATORY CHEMICALS  
  
**Waste Class:** 145  
**Waste Class Name:** PAINT/PIGMENT/COATING RESIDUES  
  
**Waste Class:** 263  
**Waste Class Name:** ORGANIC LABORATORY CHEMICALS  
  
**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS  
  
**Waste Class:** 121  
**Waste Class Name:** ALKALINE WASTES - HEAVY METALS  
  
**Waste Class:** 268  
**Waste Class Name:** AMINES

<a href="#">40</a>	10 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
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**Generator No:** ON0476102  
**SIC Code:** 336410  
**SIC Description:** Aerospace Product and Parts Manufacturing  
**Approval Years:** 2011  
**PO Box No:**  
**Country:**  
**Status:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			

<a href="#">40</a>	11 of 21	SE/217.5	79.8 / -2.03	MORGUARD INVESTMENTS LTD. 3001 SOLANDT STREET KANATA ON	GEN
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**Generator No:** ON9884765  
**SIC Code:** 336410  
**SIC Description:** Aerospace Product and Parts Manufacturing  
**Approval Years:** 2012  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

<a href="#">40</a>	12 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
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**Generator No:** ON0476102  
**SIC Code:** 336410  
**SIC Description:** Aerospace Product and Parts Manufacturing  
**Approval Years:** 2012

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			

<a href="#">40</a>	13 of 21	SE/217.5	79.8 / -2.03	Lockheed Martin Canada Inc. 3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA ON	EBR
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<b>EBR Registry No:</b>	011-8066	<b>Decision Posted:</b>
<b>Ministry Ref No:</b>	0853-93TR59	<b>Exception Posted:</b>
<b>Notice Type:</b>	Instrument Decision	<b>Section:</b>
<b>Notice Stage:</b>		<b>Act 1:</b>
<b>Notice Date:</b>	April 11, 2014	<b>Act 2:</b>
<b>Proposal Date:</b>	January 28, 2013	<b>Site Location Map:</b>
<b>Year:</b>	2013	
<b>Instrument Type:</b>	(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)	
<b>Off Instrument Name:</b>		
<b>Posted By:</b>		
<b>Company Name:</b>	Lockheed Martin Canada Inc.	
<b>Site Address:</b>		
<b>Location Other:</b>		
<b>Proponent Name:</b>		
<b>Proponent Address:</b>	3001 Solandt Road, Ottawa Ontario, Canada K2K 2M8	
<b>Comment Period:</b>		
<b>URL:</b>		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Site Location Details:**

3001 Solandt Road Ottawa K2K 2M8 CITY OF OTTAWA

<a href="#">40</a>	14 of 21	SE/217.5	79.8 / -2.03	Lockheed Martin Canada Inc. 3001 Solandt Road Ottawa ON	ECA
<b>Approval No:</b> 3445-9FMN4B		<b>MOE District:</b>			
<b>Approval Date:</b> 4/2/14		<b>City:</b> Ottawa			
<b>Status:</b> Approved		<b>Longitude:</b> -75.916666666666714036182384006679058 074951171875			
<b>Record Type:</b>		<b>Latitude:</b> 45.3441666666666628771054092794656753 5400390625			
<b>Link Source:</b>		<b>Geometry X:</b>			
<b>SWP Area Name:</b>		<b>Geometry Y:</b>			
<b>Approval Type:</b>					
<b>Project Type:</b> Air/Noise					
<b>Business Name:</b> Lockheed Martin Canada Inc.					
<b>Address:</b>					
<b>Full Address:</b> 3001 Solandt Road Ottawa, Ontario					
<b>Full PDF Link:</b>					
<b>PDF Site Location:</b>					

<a href="#">40</a>	15 of 21	SE/217.5	79.8 / -2.03	3001 Solandt Road Kanata ON	EHS
<b>Order No:</b> 20130513003		<b>Nearest Intersection:</b>			
<b>Status:</b> C		<b>Municipality:</b> Kanata			
<b>Report Type:</b> RSC Report (Urban)		<b>Client Prov/State:</b> ON			
<b>Report Date:</b> 21-MAY-13		<b>Search Radius (km):</b> .3			
<b>Date Received:</b> 13-MAY-13		<b>X:</b> -75.916515			
<b>Previous Site Name:</b> unknown		<b>Y:</b> 45.344055			
<b>Lot/Building Size:</b> 5.13 acres					
<b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos					

<a href="#">40</a>	16 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON	GEN
<b>Generator No:</b> ON0476102					
<b>SIC Code:</b> 336410					
<b>SIC Description:</b> AEROSPACE PRODUCT AND PARTS MANUFACTURING					
<b>Approval Years:</b> 2013					
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b> 252					
<b>Waste Class Name:</b> WASTE OILS & LUBRICANTS					
<b>Waste Class:</b> 263					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			
<b>Waste Class:</b>		145			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			

[40](#) 17 of 21 SE/217.5 79.8 / -2.03 Lockheed Martin Canada Inc. 3001 Solandt Rd Ottawa ON K2K 2M8 ECA

**Approval No:** 3445-9FMN4B **MOE District:** Ottawa  
**Approval Date:** 2014-04-02 **City:**  
**Status:** Revoked and/or Replaced **Longitude:** -75.91657  
**Record Type:** ECA **Latitude:** 45.34411  
**Link Source:** IDS **Geometry X:**  
**SWP Area Name:** Mississippi Valley **Geometry Y:**  
**Approval Type:** ECA-AIR  
**Project Type:** AIR  
**Business Name:** Lockheed Martin Canada Inc.  
**Address:** 3001 Solandt Rd  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0853-93TR59-14.pdf>  
**PDF Site Location:**

[40](#) 18 of 21 SE/217.5 79.8 / -2.03 Lockheed Martin Canada Inc. 3001 Solandt Road Kanata ON K2K 2M8 ECA

**Approval No:** 6668-4J6PK6 **MOE District:** Ottawa  
**Approval Date:** 2000-05-12 **City:**  
**Status:** Revoked and/or Replaced **Longitude:** -75.91657  
**Record Type:** ECA **Latitude:** 45.34411  
**Link Source:** IDS **Geometry X:**  
**SWP Area Name:** Mississippi Valley **Geometry Y:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Lockheed Martin Canada Inc.			
<b>Address:</b>		3001 Solandt Road			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3170-4J4J43-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3170-4J4J43-14.pdf</a>			
<b>PDF Site Location:</b>					

<a href="#">40</a>	19 of 21	SE/217.5	79.8 / -2.03	Lockheed Martin Canada Inc. 3001 Solandt Rd Ottawa ON K2K 2M8	ECA
<b>Approval No:</b>		0118-78PQ7X		<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>		2007-11-07		<b>City:</b>	
<b>Status:</b>		Revoked and/or Replaced		<b>Longitude:</b>	-75.91657
<b>Record Type:</b>		ECA		<b>Latitude:</b>	45.34411
<b>Link Source:</b>		IDS		<b>Geometry X:</b>	
<b>SWP Area Name:</b>		Mississippi Valley		<b>Geometry Y:</b>	
<b>Approval Type:</b>		ECA-AIR			
<b>Project Type:</b>		AIR			
<b>Business Name:</b>		Lockheed Martin Canada Inc.			
<b>Address:</b>		3001 Solandt Rd			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0986-77LRAX-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0986-77LRAX-14.pdf</a>			
<b>PDF Site Location:</b>					

<a href="#">40</a>	20 of 21	SE/217.5	79.8 / -2.03	LOCKHEED MARTIN CANADA 3001 SOLANDT ROAD KANATA ON K2K 2M8	GEN
<b>Generator No:</b>		ON0476102			
<b>SIC Code:</b>		336410			
<b>SIC Description:</b>		AEROSPACE PRODUCT AND PARTS MANUFACTURING			
<b>Approval Years:</b>		2014			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>					
<b>Co Admin:</b>		Scott D Forsyth			
<b>Choice of Contact:</b>		CO_ADMIN			
<b>Phone No Admin:</b>		613-599-3270 Ext.3887			
<b>Contaminated Facility:</b>		No			
<b>MHSW Facility:</b>		No			

**Detail(s)**

<b>Waste Class:</b>	232
<b>Waste Class Name:</b>	POLYMERIC RESINS
<b>Waste Class:</b>	146
<b>Waste Class Name:</b>	OTHER SPECIFIED INORGANICS
<b>Waste Class:</b>	252
<b>Waste Class Name:</b>	WASTE OILS & LUBRICANTS
<b>Waste Class:</b>	145
<b>Waste Class Name:</b>	PAINT/PIGMENT/COATING RESIDUES
<b>Waste Class:</b>	148
<b>Waste Class Name:</b>	INORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	211



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class Name:</b>		AROMATIC SOLVENTS			
<b>Waste Class:</b>		268			
<b>Waste Class Name:</b>		AMINES			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		241			
<b>Waste Class Name:</b>		HALOGENATED SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		253			
<b>Waste Class Name:</b>		EMULSIFIED OILS			

[40](#)      21 of 21      **SE/217.5**      **79.8 / -2.03**      **Morguard Investments**  
**3001 Solandt Rd**  
**Kanata ON K2K 3M8**      **GEN**

**Generator No:** ON3300096  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2017  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 212 L  
**Waste Class Name:** Aliphatic solvents and residues

[41](#)      1 of 1      **WNW/218.0**      **84.9 / 3.03**      **603 March Road lot 9 con 3**  
**Kanata ON**      **WWIS**

<b>Well ID:</b> 7408598	<b>Flowing (Y/N):</b>
<b>Construction Date:</b>	<b>Flow Rate:</b>
<b>Use 1st:</b> Monitoring	<b>Data Entry Status:</b>
<b>Use 2nd:</b>	<b>Data Src:</b>
<b>Final Well Status:</b> Abandoned-Quality	<b>Date Received:</b> 01/18/2022
<b>Water Type:</b>	<b>Selected Flag:</b> TRUE
<b>Casing Material:</b>	<b>Abandonment Rec:</b>
<b>Audit No:</b> 8ILZVA2F	<b>Contractor:</b> 7675
<b>Tag:</b> A311033	<b>Form Version:</b> 9
<b>Constructn Method:</b>	<b>Owner:</b>
<b>Elevation (m):</b>	<b>County:</b> OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>	<b>Lot:</b> 009

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		MARCH TOWNSHIP			
Site Info:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/740\7408598.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408598.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 12/23/2021  
Year Completed: 2021  
Depth (m): 12.4968  
Latitude: 45.3476599727864  
Longitude: -75.9246440432785  
X: -75.9246438813768  
Y: 45.347659966719085  
Path: 740\7408598.pdf

**Bore Hole Information**

Bore Hole ID:	1008930837	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427566.00
Code OB Desc:		North83:	5021988.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/23/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 1008930977  
Layer: 2  
Color: 2  
General Color: GREY  
Material 1: 15  
Material 1 Desc: LIMESTONE  
Material 2: 18  
Material 2 Desc: SANDSTONE  
Material 3:  
Material 3 Desc:  
Formation Top Depth: 3.0  
Formation End Depth: 41.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 1008930976

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>		12			
<b>Material 2 Desc:</b>		STONES			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		3.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931076			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931097			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		29.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931098			
<b>Layer:</b>		2			
<b>Plug From:</b>		29.0			
<b>Plug To:</b>		41.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008930935			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008930896			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008931008			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		31.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008931028			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		31.0			
<b>Screen End Depth:</b>		41.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008930897			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931049			
<b>Diameter:</b>		8.0			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		2.5			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931050			
<b>Diameter:</b>		4.0			
<b>Depth From:</b>		2.5			
<b>Depth To:</b>		41.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<a href="#">42</a>	1 of 2	SW/223.2	83.9 / 2.03	COLONNADE DEVELOPMENT INC. 60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	CA

**Certificate #:** 3-1606-98-  
**Application Year:** 98

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Issue Date:</b> 10/26/1998 <b>Approval Type:</b> Municipal sewage <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">42</a>	2 of 2	SW/223.2	83.9 / 2.03	COLONNADE DEVELOPMENT INC. SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	CA
<b>Certificate #:</b> 3-1697-98- <b>Application Year:</b> 98 <b>Issue Date:</b> 11/5/1998 <b>Approval Type:</b> Municipal sewage <b>Status:</b> Cancelled <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">43</a>	1 of 19	SSE/227.1	80.8 / -1.08	495 March Road Kanata ON K2K 3G1	CA
<b>Certificate #:</b> 5602-4STJ67 <b>Application Year:</b> 01 <b>Issue Date:</b> 1/29/01 <b>Approval Type:</b> Industrial air <b>Status:</b> Approved <b>Application Type:</b> New Certificate of Approval <b>Client Name:</b> E-Cruiter.com Inc. <b>Client Address:</b> 495 March Road <b>Client City:</b> Kanata <b>Client Postal Code:</b> K2K 3G1 <b>Project Description:</b> This application is for the installation of one (1) standby emergency diesel generator <b>Contaminants:</b> <b>Emission Control:</b> Enclosure					
<a href="#">43</a>	2 of 19	SSE/227.1	80.8 / -1.08	Picarro Canada Inc. 495 March Road, Suite 100 Ottawa Ontario K2K 3G1 Ottawa ON	EBR
<b>EBR Registry No:</b> IA02E1500 <b>Ministry Ref No:</b> 2565-5G5SFJ <b>Notice Type:</b> Instrument Decision <b>Notice Stage:</b> <b>Notice Date:</b> April 07, 2003 <b>Proposal Date:</b> November 28, 2002 <b>Year:</b> 2002 <b>Instrument Type:</b> (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)					
<b>Decision Posted:</b> <b>Exception Posted:</b> <b>Section:</b> <b>Act 1:</b> <b>Act 2:</b> <b>Site Location Map:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Off Instrument Name:</b>					
<b>Posted By:</b>					
<b>Company Name:</b>		Picarro Canada Inc.			
<b>Site Address:</b>					
<b>Location Other:</b>					
<b>Proponent Name:</b>					
<b>Proponent Address:</b>		495 March Road, Suite 200, Ottawa Ontario, K2K 3G1			
<b>Comment Period:</b>					
<b>URL:</b>					
<b>Site Location Details:</b>					
495 March Road, Suite 100 Ottawa Ontario K2K 3G1 Ottawa					
<a href="#">43</a>	3 of 19	SSE/227.1	80.8 / -1.08	PICARRO CANADA INC. 495 MARCH RD SUITE 200 OTTAWA ON K2K 3G1	GEN
<b>Generator No:</b>		ON5245042			
<b>SIC Code:</b>		334110			
<b>SIC Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>Approval Years:</b>		04			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">43</a>	4 of 19	SSE/227.1	80.8 / -1.08	PICARRO CANADA INC. 495 MARCH RD SUITE 200 OTTAWA ON K2K 3G1	GEN
<b>Generator No:</b>		ON5245042			
<b>SIC Code:</b>		334110			
<b>SIC Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>Approval Years:</b>		05			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<a href="#">43</a>	5 of 19	SSE/227.1	80.8 / -1.08	Dinmar Consulting Inc. 495 March Rd Suite 400 Kanata ON K2K 3G1	SCT
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>		65			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Computer Systems Design and Related Services			
<b>SIC/NAICS Code:</b>		541510			
<a href="#">43</a>	6 of 19	SSE/227.1	80.8 / -1.08	<b>Halogen Software</b> 495 March Rd Suite 500 Ottawa ON K2K 3G1	SCT
<b>Established:</b>		2001			
<b>Plant Size (ft²):</b>		80			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">43</a>	7 of 19	SSE/227.1	80.8 / -1.08	<b>NEWPORT INSTRUMENTS CANADA CORP</b> 495 MARCH RD SUITE 200 OTTAWA ON	GEN
<b>Generator No:</b>		ON5245042			
<b>SIC Code:</b>		334110			
<b>SIC Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>Approval Years:</b>		06,07,08			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<a href="#">43</a>	8 of 19	SSE/227.1	80.8 / -1.08	<b>Picarro Canada Inc.</b> 495 March Road, Suite 100 Ottawa ON	CA
<b>Certificate #:</b>		2879-5L425B			
<b>Application Year:</b>		2003			
<b>Issue Date:</b>		4/5/2003			
<b>Approval Type:</b>		Air			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">43</a>	9 of 19	SSE/227.1	80.8 / -1.08	OneChip Photonics Inc. 495 March Rd Suite 200 Kanata ON K2K 3G1	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-AUG-05 30000			
<b>--Details--</b>					
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334220			
<a href="#">43</a>	10 of 19	SSE/227.1	80.8 / -1.08	Halogen Software 495 March Rd Suite 500 Kanata ON K2K 3G1	SCT
<b>Established:</b> <b>Plant Size (ft²):</b> <b>Employment:</b>		01-SEP-01			
<b>--Details--</b>					
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<b>Description:</b>		Software Publishers			
<b>SIC/NAICS Code:</b>		511210			
<a href="#">43</a>	11 of 19	SSE/227.1	80.8 / -1.08	NEWPORT INSTRUMENTS CANADA CORP 495 MARCH RD SUITE 200 OTTAWA ON	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON5245042 334110 Computer and Peripheral Equipment Manufacturing 2009			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		252			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<a href="#">43</a>	12 of 19	SSE/227.1	80.8 / -1.08	OneChip Photonics 495 March Rd. Suite 200 Ottawa ON K2K 3G1	GEN
<b>Generator No:</b>		ON9927536			
<b>SIC Code:</b>		334290			
<b>SIC Description:</b>		Other Communications Equipment Manufacturing			
<b>Approval Years:</b>		2010			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<a href="#">43</a>	13 of 19	SSE/227.1	80.8 / -1.08	OneChip Photonics 495 March Rd. Suite 200 Ottawa ON K2K 3G1	GEN
<b>Generator No:</b>		ON9927536			
<b>SIC Code:</b>		334290			
<b>SIC Description:</b>		Other Communications Equipment Manufacturing			
<b>Approval Years:</b>		2011			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<a href="#">43</a>	14 of 19	SSE/227.1	80.8 / -1.08	OneChip Photonics 495 March Rd. Suite 200 Ottawa ON K2K 3G1	GEN
<b>Generator No:</b>		ON9927536			
<b>SIC Code:</b>		334290			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		Other Communications Equipment Manufacturing 2012			
<b>Detail(s)</b>					
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<a href="#">43</a>	15 of 19	SSE/227.1	80.8 / -1.08	495 March Rd Ottawa ON K2K3G1	EHS
<b>Order No:</b>		20140130001		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Custom Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		05-FEB-14		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		30-JAN-14		<b>X:</b> -75.920838	
<b>Previous Site Name:</b>				<b>Y:</b> 45.343452	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">43</a>	16 of 19	SSE/227.1	80.8 / -1.08	OneChip Photonics 495 March Rd. Suite 150 Ottawa ON	GEN
<b>Generator No:</b>		ON9927536			
<b>SIC Code:</b>		334290			
<b>SIC Description:</b>		OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING			
<b>Approval Years:</b>		2013			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">43</a>	17 of 19	SSE/227.1	80.8 / -1.08	Picarro Canada Inc. 495 March Road, Suite 100	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Ottawa ON K2K 3G1</b>					
<b>Approval No:</b>	2879-5L425B			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2003-04-05			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.9194
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.34321
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-AIR				
<b>Project Type:</b>	AIR				
<b>Business Name:</b>	Picarro Canada Inc.				
<b>Address:</b>	495 March Road, Suite 100				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2565-5G5SFJ-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2565-5G5SFJ-14.pdf</a>				
<b>PDF Site Location:</b>					

<a href="#">43</a>	18 of 19	<b>SSE/227.1</b>	<b>80.8 / -1.08</b>	<b>E-Cruiter.com Inc. 495 March Road Kanata ON K2K 3G1</b>	<b>ECA</b>
<b>Approval No:</b>	5602-4STJ67			<b>MOE District:</b>	Ottawa
<b>Approval Date:</b>	2001-01-29			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	-75.9194
<b>Record Type:</b>	ECA			<b>Latitude:</b>	45.34321
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-AIR				
<b>Project Type:</b>	AIR				
<b>Business Name:</b>	E-Cruiter.com Inc.				
<b>Address:</b>	495 March Road				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8153-4R9MS8-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8153-4R9MS8-14.pdf</a>				
<b>PDF Site Location:</b>					

<a href="#">43</a>	19 of 19	<b>SSE/227.1</b>	<b>80.8 / -1.08</b>	<b>OneChip Photonics 495 March Rd. Suite 150 Ottawa ON K2K 3G1</b>	<b>GEN</b>
<b>Generator No:</b>	ON9927536				
<b>SIC Code:</b>	334290				
<b>SIC Description:</b>	OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING				
<b>Approval Years:</b>	2014				
<b>PO Box No:</b>					
<b>Country:</b>	Canada				
<b>Status:</b>					
<b>Co Admin:</b>	Rick Scholes				
<b>Choice of Contact:</b>	CO_OFFICIAL				
<b>Phone No Admin:</b>	613-2870251 Ext.				
<b>Contaminated Facility:</b>	No				
<b>MHSW Facility:</b>	No				

**Detail(s)**

<b>Waste Class:</b>	148
<b>Waste Class Name:</b>	INORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	263
<b>Waste Class Name:</b>	ORGANIC LABORATORY CHEMICALS
<b>Waste Class:</b>	252
<b>Waste Class Name:</b>	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		112			
Waste Class Name:		ACID WASTE - HEAVY METALS			
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			

<a href="#">44</a>	1 of 1	WNW/232.8	84.9 / 3.00	603 March Road lot 9 con 3 Kanata ON	WWIS
Well ID:	7408597			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Quality			Date Received:	01/18/2022
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	HODUQWS8			Contractor:	7675
Tag:	A311032			Form Version:	9
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	009
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	MARCH TOWNSHIP				
Site Info:					
PDF URL (Map):	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408597.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408597.pdf</a>				

#### Additional Detail(s) (Map)

Well Completed Date:	12/20/2021
Year Completed:	2021
Depth (m):	7.9248
Latitude:	45.3476493190455
Longitude:	-75.9248481152685
X:	-75.92484795338989
Y:	45.34764931225576
Path:	740\7408597.pdf

#### Bore Hole Information

Bore Hole ID:	1008930834	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427550.00
Code OB Desc:		North83:	5021987.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/20/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1008930974			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>		12			
<b>Material 2 Desc:</b>		STONES			
<b>Material 3:</b>		77			
<b>Material 3 Desc:</b>		LOOSE			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		2.5			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1008930975			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		15			
<b>Material 1 Desc:</b>		LIMESTONE			
<b>Material 2:</b>		18			
<b>Material 2 Desc:</b>		SANDSTONE			
<b>Material 3:</b>		73			
<b>Material 3 Desc:</b>		HARD			
<b>Formation Top Depth:</b>		2.5			
<b>Formation End Depth:</b>		26.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008931075			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008931095			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		14.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008931096			
<b>Layer:</b>		2			
<b>Plug From:</b>		14.0			
<b>Plug To:</b>		26.0			
<b>Plug Depth UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008930934			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008930894			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008931007			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		16.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008931027			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		16.0			
<b>Screen End Depth:</b>		26.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008930895			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931048			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		4.0			
Depth From:		2.5			
Depth To:		26.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<b><u>Hole Diameter</u></b>					
Hole ID:		1008931047			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		2.5			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<a href="#">45</a>	1 of 1	WNW/233.0	83.8 / 1.92	603 March Road lot 9 con 3 Kanata ON	WWIS
Well ID:	7408602			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Quality			Date Received:	01/18/2022
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	7WVDGZIG			Contractor:	7675
Tag:	A311095			Form Version:	9
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	009
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	MARCH TOWNSHIP				
Site Info:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/740\7408602.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408602.pdf)

**Additional Detail(s) (Map)**

Well Completed Date:	12/20/2021
Year Completed:	2021
Depth (m):	7.62
Latitude:	45.3478662540623
Longitude:	-75.92473675977
X:	-75.92473659824563
Y:	45.347866247411524
Path:	740\7408602.pdf

**Bore Hole Information**

Bore Hole ID:	1008930849	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427559.00
Code OB Desc:		North83:	5022011.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/20/2021	UTMRC Desc:	margin of error : 30 m - 100 m



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Remarks:</b>				<b>Location Method:</b>	WWF
<b>Location Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	1008930984				
<b>Layer:</b>	1				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Material 1:</b>	02				
<b>Material 1 Desc:</b>	TOPSOIL				
<b>Material 2:</b>	12				
<b>Material 2 Desc:</b>	STONES				
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	2.5				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	1008930985				
<b>Layer:</b>	2				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Material 1:</b>	15				
<b>Material 1 Desc:</b>	LIMESTONE				
<b>Material 2:</b>	18				
<b>Material 2 Desc:</b>	SANDSTONE				
<b>Material 3:</b>	73				
<b>Material 3 Desc:</b>	HARD				
<b>Formation Top Depth:</b>	2.5				
<b>Formation End Depth:</b>	25.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1008931106				
<b>Layer:</b>	2				
<b>Plug From:</b>	13.0				
<b>Plug To:</b>	25.0				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1008931105				
<b>Layer:</b>	1				
<b>Plug From:</b>	0.0				
<b>Plug To:</b>	13.0				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment</u></b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008931080			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008930939			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008930904			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008931012			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		15.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008931032			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		15.0			
<b>Screen End Depth:</b>		25.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008930905			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pumping Test Method:</b> <b>Pumping Duration HR:</b> <b>Pumping Duration MIN:</b> <b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931057			
<b>Diameter:</b>		8.0			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		2.5			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1008931058			
<b>Diameter:</b>		4.0			
<b>Depth From:</b>		2.5			
<b>Depth To:</b>		25.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<a href="#">46</a>	1 of 1	<b>NNE/239.3</b>	<b>75.9 / -6.02</b>	<b>359 Terry Fox Drive Ottawa ON Kanata ON K2K 2E7</b>	<b>EHS</b>
<b>Order No:</b>	23051200570			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	17-MAY-23			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	12-MAY-23			<b>X:</b>	-75.9182356
<b>Previous Site Name:</b>				<b>Y:</b>	45.3496378
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans				
<a href="#">47</a>	1 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>NEWBRIDGE NETWORKS CORPORATION 359 TERRY FOX DRIVE KANATA CITY ON K2K 2E7</b>	<b>CA</b>
<b>Certificate #:</b>	8-4102-88-				
<b>Application Year:</b>	88				
<b>Issue Date:</b>	1/24/1990				
<b>Approval Type:</b>	Industrial air				
<b>Status:</b>	Approved in 1990				
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>	CIRCUIT BOARD MANUF. EXHAUST				
<b>Contaminants:</b>					
<b>Emission Control:</b>					
<a href="#">47</a>	2 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>ELCOMBE SYSTEMS LIMITED 359 TERRY FOX DR KANATA ON K2K 2E7</b>	<b>SCT</b>
<b>Established:</b>	1991				
<b>Plant Size (ft²):</b>	0				
<b>Employment:</b>	25				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**--Details--**

**Description:** COMMUNICATIONS EQUIPMENT, NOT ELSEWHERE CLASSIFIED  
**SIC/NAICS Code:** 3669

**Description:** Other Communications Equipment Manufacturing  
**SIC/NAICS Code:** 334290

<a href="#">47</a>	3 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>359 Terry Fox Drive Kanata ON K2K 2E7</b>	<b>CA</b>
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**Certificate #:** 8-4102-88-906  
**Application Year:** 01  
**Issue Date:** 4/6/01  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:** Revocation  
**Client Name:** Newbridge Networks Corporation  
**Client Address:** 600 March Road, P.O. Box 13600  
**Client City:** Kanata  
**Client Postal Code:** K2K 2E6  
**Project Description:** Removal of exhaust six (6) exhaust fans venting facilities for manufacturing electronic circuits.  
**Contaminants:**  
**Emission Control:**

<a href="#">47</a>	4 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>NEWBRIDGE NETWORKS CORPORATION 359 TERRY FOX DRIVE KANATA ON K2K 2E7</b>	<b>GEN</b>
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**Generator No:** ON1052000  
**SIC Code:** 3351  
**SIC Description:** TELECOMMUNICATIONS  
**Approval Years:** 88,89,90  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 212  
**Waste Class Name:** ALIPHATIC SOLVENTS  
**Waste Class:** 241  
**Waste Class Name:** HALOGENATED SOLVENTS

<a href="#">47</a>	5 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>NEWBRIDGE NETWORKS CORPORATION 28-523 359 TERRY FOX DRIVE KANATA ON K2K 2E7</b>	<b>GEN</b>
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**Generator No:** ON1052000  
**SIC Code:** 3351  
**SIC Description:** TELECOMMUNICATIONS  
**Approval Years:** 94,95,96  
**PO Box No:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Country:  
Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

**Detail(s)**

Waste Class: 252  
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 146  
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 212  
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 241  
Waste Class Name: HALOGENATED SOLVENTS

<a href="#">47</a>	6 of 23	NNE/239.7	75.9 / -6.02	359 Terry Fox Drive Ottawa ON	EHS
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Order No:	20070213030	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	CAN - Complete Report	Client Prov/State:	
Report Date:	2/15/2007	Search Radius (km):	0.25
Date Received:	2/13/2007	X:	-75.919083
Previous Site Name:		Y:	45.349895
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps And/or Site Plans		

<a href="#">47</a>	7 of 23	NNE/239.7	75.9 / -6.02	Smart Technologies Inc. 359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa ON	EBR
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EBR Registry No:	IA05E1750	Decision Posted:	
Ministry Ref No:	6235-6HCPAA	Exception Posted:	
Notice Type:	Instrument Decision	Section:	
Notice Stage:		Act 1:	
Notice Date:	January 23, 2007	Act 2:	
Proposal Date:	November 15, 2005	Site Location Map:	
Year:	2005		
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
Off Instrument Name:			
Posted By:			
Company Name:	Smart Technologies Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	359 Terry Fox Drive, Ottawa Ontario, K2K 2E7		
Comment Period:			
URL:			

**Site Location Details:**

359 Terry Fox Drive Ottawa Ontario K2K 2E7 Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">47</a>	8 of 23	NNE/239.7	75.9 / -6.02	359 Terry Fox Drive Ottawa ON	EHS
<b>Order No:</b> 20080211010 <b>Status:</b> C <b>Report Type:</b> Complete Report <b>Report Date:</b> 2/20/2008 <b>Date Received:</b> 2/11/2008 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>		<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.919083 <b>Y:</b> 45.349895			
<a href="#">47</a>	9 of 23	NNE/239.7	75.9 / -6.02	Smart Technologies Inc 359 Terry Fox Drive - North Kanata ON	GEN
<b>Generator No:</b> ON3214080 <b>SIC Code:</b> 334290 <b>SIC Description:</b> Other Communications Equipment Manufacturing <b>Approval Years:</b> 06,07,08 <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		331			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		121			
<b>Waste Class Name:</b>		ALKALINE WASTES - HEAVY METALS			
<b>Waste Class:</b>		112			
<b>Waste Class Name:</b>		ACID WASTE - HEAVY METALS			
<b>Waste Class:</b>		122			
<b>Waste Class Name:</b>		ALKALINE WASTES - OTHER METALS			
<b>Waste Class:</b>		146			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		212			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		232			
<b>Waste Class Name:</b>		POLYMERIC RESINS			
<a href="#">47</a>	10 of 23	NNE/239.7	75.9 / -6.02	Smart Technologies Inc. 359 Terry Fox Drive Ottawa ON	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Certificate #:** 2247-6UXHQW  
**Application Year:** 2007  
**Issue Date:** 1/4/2007  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

<a href="#">47</a>	11 of 23	NNE/239.7	75.9 / -6.02	Kanata Research Park Corporation 359 Terry Fox Drive Ottawa ON	CA
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**Certificate #:** 6748-5HTUE5  
**Application Year:** 2003  
**Issue Date:** 1/18/2003  
**Approval Type:** Air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

<a href="#">47</a>	12 of 23	NNE/239.7	75.9 / -6.02	Sciometric Instruments Inc. 359 Terry Fox Dr Kanata ON K2K 2E7	SCT
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**Established:** 01-JUN-81  
**Plant Size (ft²):**  
**Employment:**

**--Details--**

**Description:** Computer and Peripheral Equipment Manufacturing  
**SIC/NAICS Code:** 334110

**Description:** Measuring, Medical and Controlling Devices Manufacturing  
**SIC/NAICS Code:** 334512

**Description:** Manufacturing and Reproducing Magnetic and Optical Media  
**SIC/NAICS Code:** 334610

<a href="#">47</a>	13 of 23	NNE/239.7	75.9 / -6.02	Pleora Technologies Inc. 359 Terry Fox Dr Unit 230 Kanata ON K2K 2E7	SCT
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**Established:**  
**Plant Size (ft²):**  
**Employment:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
<b>Description:</b>		Computer and Peripheral Equipment Manufacturing			
<b>SIC/NAICS Code:</b>		334110			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
<b>SIC/NAICS Code:</b>		334410			
<a href="#">47</a>	14 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Smart Technologies Inc. 359 Terry Fox Drive Ottawa ON K2K 2E7</b>	<b>ECA</b>
<b>Approval No:</b>	2247-6UXHQW			<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>	2007-01-04			<b>City:</b>	
<b>Status:</b>	Revoked and/or Replaced			<b>Longitude:</b> -75.9184	
<b>Record Type:</b>	ECA			<b>Latitude:</b> 45.349728	
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-AIR				
<b>Project Type:</b>	AIR				
<b>Business Name:</b>	Smart Technologies Inc.				
<b>Address:</b>	359 Terry Fox Drive				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6235-6HCPAA-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6235-6HCPAA-14.pdf</a>				
<b>PDF Site Location:</b>					
<a href="#">47</a>	15 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Kanata Research Park Corporation 359 Terry Fox Drive Ottawa ON K2K 2X3</b>	<b>ECA</b>
<b>Approval No:</b>	6748-5HTUE5			<b>MOE District:</b> Ottawa	
<b>Approval Date:</b>	2003-01-18			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b> -75.9184	
<b>Record Type:</b>	ECA			<b>Latitude:</b> 45.349728	
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>	Mississippi Valley			<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-AIR				
<b>Project Type:</b>	AIR				
<b>Business Name:</b>	Kanata Research Park Corporation				
<b>Address:</b>	359 Terry Fox Drive				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2480-5DXNRZ-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2480-5DXNRZ-14.pdf</a>				
<b>PDF Site Location:</b>					
<a href="#">47</a>	16 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Electronic Distributors International Inc. 359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7</b>	<b>GEN</b>
<b>Generator No:</b>	ON3467371				
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>	As of Dec 2018				
<b>PO Box No:</b>					
<b>Country:</b>	Canada				
<b>Status:</b>	Registered				
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<u>Detail(s)</u>					
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			

<a href="#">47</a>	17 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Public Health Agency of Canada - Kanata 359 Terry Fox Drive Kanata ON K2K2E7</b>	<b>GEN</b>
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**Generator No:** ON7174371  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2018  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

**Waste Class:** 261 H  
**Waste Class Name:** Pharmaceuticals  
  
**Waste Class:** 261 L  
**Waste Class Name:** Pharmaceuticals  
  
**Waste Class:** 263 A  
**Waste Class Name:** Misc. waste organic chemicals

<a href="#">47</a>	18 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Electronic Distributors International Inc. 359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7</b>	<b>GEN</b>
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**Generator No:** ON3467371  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Jul 2020  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**MHSW Facility:**

Detail(s)

<b>Waste Class:</b>	331 I
<b>Waste Class Name:</b>	Waste compressed gases including cylinders
<b>Waste Class:</b>	148 C
<b>Waste Class Name:</b>	Misc. wastes and inorganic chemicals
<b>Waste Class:</b>	145 I
<b>Waste Class Name:</b>	Wastes from the use of pigments, coatings and paints
<b>Waste Class:</b>	146 T
<b>Waste Class Name:</b>	Other specified inorganic sludges, slurries or solids
<b>Waste Class:</b>	263 L
<b>Waste Class Name:</b>	Misc. waste organic chemicals
<b>Waste Class:</b>	252 L
<b>Waste Class Name:</b>	Waste crankcase oils and lubricants
<b>Waste Class:</b>	212 I
<b>Waste Class Name:</b>	Aliphatic solvents and residues

<a href="#">47</a>	19 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Public Health Agency of Canada - Kanata NESS 359 Terry Fox Drive Kanata ON K2K2E7</b>	<b>GEN</b>
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<b>Generator No:</b>	ON7174371
<b>SIC Code:</b>	
<b>SIC Description:</b>	
<b>Approval Years:</b>	As of Jul 2020
<b>PO Box No:</b>	
<b>Country:</b>	Canada
<b>Status:</b>	Registered
<b>Co Admin:</b>	
<b>Choice of Contact:</b>	
<b>Phone No Admin:</b>	
<b>Contaminated Facility:</b>	
<b>MHSW Facility:</b>	

Detail(s)

<b>Waste Class:</b>	261 H
<b>Waste Class Name:</b>	Pharmaceuticals
<b>Waste Class:</b>	261 L
<b>Waste Class Name:</b>	Pharmaceuticals
<b>Waste Class:</b>	263 A
<b>Waste Class Name:</b>	Misc. waste organic chemicals

<a href="#">47</a>	20 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Public Health Agency of Canada - Kanata NESS 359 Terry Fox Drive Kanata ON K2K2E7</b>	<b>GEN</b>
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<b>Generator No:</b>	ON7174371
<b>SIC Code:</b>	
<b>SIC Description:</b>	
<b>Approval Years:</b>	As of Nov 2021
<b>PO Box No:</b>	
<b>Country:</b>	Canada

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		Registered			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		263 A			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		261 H			
<b>Waste Class Name:</b>		Pharmaceuticals			
<b>Waste Class:</b>		261 L			
<b>Waste Class Name:</b>		Pharmaceuticals			
<a href="#">47</a>	21 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Electronic Distributors International Inc. 359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7</b>	<b>GEN</b>
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON3467371  As of Nov 2021 Canada Registered			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		Waste crankcase oils and lubricants			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		Wastes from the use of pigments, coatings and paints			
<b>Waste Class:</b>		263 L			
<b>Waste Class Name:</b>		Misc. waste organic chemicals			
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		Other specified inorganic sludges, slurries or solids			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		Misc. wastes and inorganic chemicals			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		Aliphatic solvents and residues			
<b>Waste Class:</b>		262 L			
<b>Waste Class Name:</b>		Detergents and soaps			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		Waste compressed gases including cylinders			
<a href="#">47</a>	22 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Electronic Distributors International Inc.</b>	<b>GEN</b>

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
				<b>359 Terry Fox Drive Suite 110 Ottawa ON K2K 2E7</b>	
<b>Generator No:</b>		ON3467371			
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Approval Years:</b>		As of Oct 2022			
<b>PO Box No:</b>					
<b>Country:</b>		Canada			
<b>Status:</b>		Registered			
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		146 T			
<b>Waste Class Name:</b>		OTHER SPECIFIED INORGANICS			
<b>Waste Class:</b>		212 I			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		262 L			
<b>Waste Class Name:</b>		DETERGENTS/SOAPS			
<b>Waste Class:</b>		212 L			
<b>Waste Class Name:</b>		ALIPHATIC SOLVENTS			
<b>Waste Class:</b>		145 I			
<b>Waste Class Name:</b>		PAINT/PIGMENT/COATING RESIDUES			
<b>Waste Class:</b>		252 L			
<b>Waste Class Name:</b>		WASTE OILS & LUBRICANTS			
<b>Waste Class:</b>		331 I			
<b>Waste Class Name:</b>		WASTE COMPRESSED GASES			
<b>Waste Class:</b>		148 C			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263 L			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			

<a href="#">47</a>	23 of 23	<b>NNE/239.7</b>	<b>75.9 / -6.02</b>	<b>Public Health Agency of Canada - Kanata NESS 359 Terry Fox Drive Kanata ON K2K2E7</b>	<b>GEN</b>
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**Generator No:** ON7174371  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Oct 2022  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		261 H			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		261 L			
<b>Waste Class Name:</b>		PHARMACEUTICALS			
<b>Waste Class:</b>		263 A			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">48</a>	1 of 2	N/245.3	77.9 / -4.00	<b>INSTANTEL INC.</b> 362 TERRY FOX DR KANATA ON K2K 2P5	SCT
<b>Established:</b>		1982			
<b>Plant Size (ft²):</b>		1200			
<b>Employment:</b>		50			
<b>--Details--</b>					
<b>Description:</b>		MEASURING AND CONTROLLING DEVICES, NOT ELSEWHERE CLASSIFIED			
<b>SIC/NAICS Code:</b>		3829			
<b>Description:</b>		SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS			
<b>SIC/NAICS Code:</b>		3841			
<a href="#">48</a>	2 of 2	N/245.3	77.9 / -4.00	<b>Coyle Publishing Inc.</b> 362 Terry Fox Dr Suite 220 Kanata ON K2K 2P5	SCT
<b>Established:</b>		01-JAN-88			
<b>Plant Size (ft²):</b>		1000			
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Periodical Publishers			
<b>SIC/NAICS Code:</b>		511120			
<a href="#">49</a>	1 of 1	WNW/247.7	84.9 / 3.00	<b>603 March Road lot 9 con 3</b> Kanata ON	WWIS
<b>Well ID:</b>		7408603		<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>		Monitoring		<b>Data Entry Status:</b>	
<b>Use 2nd:</b>				<b>Data Src:</b>	
<b>Final Well Status:</b>		Abandoned-Quality		<b>Date Received:</b>	01/18/2022
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>		UQQCO2AD		<b>Contractor:</b>	7675
<b>Tag:</b>		A311096		<b>Form Version:</b>	9
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliability:</b>				<b>Lot:</b>	009
<b>Depth to Bedrock:</b>				<b>Concession:</b>	03
<b>Well Depth:</b>				<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>		MARCH TOWNSHIP			
<b>Site Info:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/740\7408603.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408603.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 12/21/2021  
Year Completed: 2021  
Depth (m): 12.192  
Latitude: 45.3476928729089  
Longitude: -75.9250275394978  
X: -75.92502737743176  
Y: 45.34769286641409  
Path: 740\7408603.pdf

**Bore Hole Information**

Bore Hole ID:	1008930852	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427536.00
Code OB Desc:		North83:	5021992.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/21/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 1008930987  
Layer: 2  
Color: 2  
General Color: GREY  
Material 1: 15  
Material 1 Desc: LIMESTONE  
Material 2: 18  
Material 2 Desc: SANDSTONE  
Material 3:  
Material 3 Desc:  
Formation Top Depth: 2.5  
Formation End Depth: 40.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 1008930986  
Layer: 1  
Color: 6  
General Color: BROWN  
Material 1: 02  
Material 1 Desc: TOPSOIL  
Material 2: 12  
Material 2 Desc: STONES  
Material 3:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		2.5			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931108			
<b>Layer:</b>		2			
<b>Plug From:</b>		28.0			
<b>Plug To:</b>		40.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931081			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931107			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		28.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008930940			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008930906			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008931013			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		30.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID:		1008931033			
Layer:		1			
Slot:		10			
Screen Top Depth:		30.0			
Screen End Depth:		40.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			

**Results of Well Yield Testing**

Pumping Test Method Desc:					
Pump Test ID:		1008930907			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					

**Hole Diameter**

Hole ID:		1008931059			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		2.5			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

**Hole Diameter**

Hole ID:		1008931060			
Diameter:		4.0			
Depth From:		2.5			
Depth To:		40.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<a href="#">50</a>	1 of 1	WNW/249.3	83.6 / 1.69	603 March Road lot 9 con 3 Kanata ON	WWIS
Well ID:	7408601			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Quality			Date Received:	01/18/2022
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	AJ9OF2QF			Contractor:	7675
Tag:	A311094			Form Version:	9
Constructn Method:				Owner:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	009
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		MARCH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/740\7408601.pdf			

**Additional Detail(s) (Map)**

Well Completed Date: 12/22/2021  
Year Completed: 2021  
Depth (m): 12.192  
Latitude: 45.3483536083524  
Longitude: -75.9245787445053  
X: -75.92457858369949  
Y: 45.348353601611706  
Path: 740\7408601.pdf

**Bore Hole Information**

Bore Hole ID:	1008930846	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427572.00
Code OB Desc:		North83:	5022065.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/22/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock  
Materials Interval**

Formation ID: 1008930983  
Layer: 2  
Color: 2  
General Color: GREY  
Material 1: 15  
Material 1 Desc: LIMESTONE  
Material 2: 18  
Material 2 Desc: SANDSTONE  
Material 3:  
Material 3 Desc:  
Formation Top Depth: 2.5  
Formation End Depth: 40.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		1008930982			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>		12			
<b>Material 2 Desc:</b>		STONES			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		2.5			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931079			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931104			
<b>Layer:</b>		2			
<b>Plug From:</b>		28.0			
<b>Plug To:</b>		40.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008931103			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		28.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008930938			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008930902			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008931011			
<b>Layer:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:** 0.0  
**Depth To:** 30.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Screen**

**Screen ID:** 1008931031  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 30.0  
**Screen End Depth:** 40.0  
**Screen Material:** 5  
**Screen Depth UOM:** ft  
**Screen Diameter UOM:** inch  
**Screen Diameter:** 2.0

**Results of Well Yield Testing**

**Pumping Test Method Desc:**  
**Pump Test ID:** 1008930903  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:**  
**Recommended Pump Depth:**  
**Pumping Rate:**  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:**  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:**

**Hole Diameter**

**Hole ID:** 1008931056  
**Diameter:** 4.0  
**Depth From:** 2.5  
**Depth To:** 40.0  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

**Hole Diameter**

**Hole ID:** 1008931055  
**Diameter:** 8.0  
**Depth From:** 0.0  
**Depth To:** 2.5  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

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<a href="#">51</a>	1 of 1	WNW/249.5	83.6 / 1.69	603 March Road lot 9 con 3 Kanata ON	WWIS
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Well ID: 7405269      Flowing (Y/N):

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>				<b>Data Src:</b>	
<b>Final Well Status:</b>	Observation Wells			<b>Date Received:</b>	12/08/2021
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>	EHM59AAU			<b>Contractor:</b>	7675
<b>Tag:</b>	A311086			<b>Form Version:</b>	9
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	009
<b>Depth to Bedrock:</b>				<b>Concession:</b>	03
<b>Well Depth:</b>				<b>Concession Name:</b>	CON
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>		MARCH TOWNSHIP			
<b>Site Info:</b>					

#### Additional Detail(s) (Map)

<b>Bore Hole ID:</b>	1008877136	<b>Tag No:</b>	A311086
<b>Depth M:</b>	8.2296	<b>Contractor:</b>	7675
<b>Year Completed:</b>	2021	<b>Latitude:</b>	45.3483445048212
<b>Well Completed Dt:</b>	11/19/2021	<b>Longitude:</b>	-75.9245913617827
<b>Audit No:</b>	EHM59AAU	<b>Y:</b>	45.3483444984511
<b>Path:</b>		<b>X:</b>	-75.92459120053425

#### Bore Hole Information

<b>Bore Hole ID:</b>	1008877136	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	427571.00
<b>Code OB Desc:</b>		<b>North83:</b>	5022064.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	11/19/2021	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	1008877314
<b>Layer:</b>	3
<b>Color:</b>	
<b>General Color:</b>	
<b>Material 1:</b>	15
<b>Material 1 Desc:</b>	LIMESTONE
<b>Material 2:</b>	
<b>Material 2 Desc:</b>	
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	5.0
<b>Formation End Depth:</b>	27.0

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1008877312			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>					
<b>Material 1 Desc:</b>					
<b>Material 2:</b>		02			
<b>Material 2 Desc:</b>		TOPSOIL			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		3.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1008877313			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		05			
<b>Material 1 Desc:</b>		CLAY			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		3.0			
<b>Formation End Depth:</b>		5.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877456			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877457			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		16.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877458			
<b>Layer:</b>		3			
<b>Plug From:</b>		16.0			
<b>Plug To:</b>		27.0			
<b>Plug Depth UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877428			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008877230			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008877191			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008877355			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		17.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008877382			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		17.0			
<b>Screen End Depth:</b>		27.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008877192			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Rate UOM: GPM  
 Water State After Test Code:  
 Water State After Test:  
 Pumping Test Method:  
 Pumping Duration HR:  
 Pumping Duration MIN:  
 Flowing:

Water Details

Water ID: 1008877272  
 Layer: 1  
 Kind Code: 8  
 Kind: Untested  
 Water Found Depth: 22.0  
 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1008877405  
 Diameter: 4.0  
 Depth From: 5.0  
 Depth To: 27.0  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1008877404  
 Diameter: 8.0  
 Depth From: 0.0  
 Depth To: 5.0  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

<a href="#">52</a>	1 of 1	WNW/249.6	84.9 / 3.00	603 March Road lot 9 con 3 Kanata ON	WWIS
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Well ID: 7405254	Flowing (Y/N):
Construction Date:	Flow Rate:
Use 1st: Monitoring	Data Entry Status:
Use 2nd:	Data Src:
Final Well Status: Observation Wells	Date Received: 12/08/2021
Water Type:	Selected Flag: TRUE
Casing Material:	Abandonment Rec:
Audit No: MBQFXBFC	Contractor: 7675
Tag: A311083	Form Version: 9
Constructn Method:	Owner:
Elevation (m):	County: OTTAWA-CARLETON
Elevatn Reliabilty:	Lot: 009
Depth to Bedrock:	Concession: 03
Well Depth:	Concession Name: CON
Overburden/Bedrock:	Easting NAD83:
Pump Rate:	Northing NAD83:
Static Water Level:	Zone:
Clear/Cloudy:	UTM Reliability:
Municipality: MARCH TOWNSHIP	
Site Info:	

Additional Detail(s) (Map)

Bore Hole ID: 1008876742 Tag No: A311083

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth M:	7.62			Contractor:	7675
Year Completed:	2021			Latitude:	45.3477197701356
Well Completed Dt:	11/18/2021			Longitude:	-75.9250407429873
Audit No:	MBQFXBFC			Y:	45.347719763312995
Path:				X:	-75.92504058176144

**Bore Hole Information**

Bore Hole ID:	1008876742	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427535.00
Code OB Desc:		North83:	5021995.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	11/18/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID:	1008876893
Layer:	1
Color:	
General Color:	
Material 1:	
Material 1 Desc:	
Material 2:	02
Material 2 Desc:	TOPSOIL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID:	1008876894
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

**Annular Space/Abandonment**

**Sealing Record**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1008877019			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		14.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877018			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008876988			
<b>Layer:</b>		1			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008877020			
<b>Layer:</b>		3			
<b>Plug From:</b>		14.0			
<b>Plug To:</b>		25.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008876822			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008876792			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008876924			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		15.0			
<b>Casing Diameter:</b>		2.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>			1008876945		
<b>Layer:</b>			1		
<b>Slot:</b>			10		
<b>Screen Top Depth:</b>			15.0		
<b>Screen End Depth:</b>			25.0		
<b>Screen Material:</b>			5		
<b>Screen Depth UOM:</b>			ft		
<b>Screen Diameter UOM:</b>			inch		
<b>Screen Diameter:</b>			2.0		
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>			1008876793		
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>			ft		
<b>Rate UOM:</b>			GPM		
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>			1008876855		
<b>Layer:</b>			1		
<b>Kind Code:</b>			8		
<b>Kind:</b>			Untested		
<b>Water Found Depth:</b>			20.0		
<b>Water Found Depth UOM:</b>			ft		
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>			1008876967		
<b>Diameter:</b>			4.0		
<b>Depth From:</b>			3.0		
<b>Depth To:</b>			25.0		
<b>Hole Depth UOM:</b>			ft		
<b>Hole Diameter UOM:</b>			inch		
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>			1008876966		
<b>Diameter:</b>			8.0		
<b>Depth From:</b>			0.0		
<b>Depth To:</b>			3.0		
<b>Hole Depth UOM:</b>			ft		
<b>Hole Diameter UOM:</b>			inch		

# Unplottable Summary

Total: **50** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 8/11 Con 4/5	Kanata ON	
CA	KANATA RESEARCH PARK CORP.	PT.LOTS 8&9/C-4, HELMSDALE,SWM	KANATA ON	
CA	KANATA RESEARCH PARK CORP.	PT.LOT 9/CON.4,NEWBRIDGE (SWM)	KANATA CITY ON	
CA	KANATA CITY	LEGGET DRIVE	KANATA CITY ON	
CA	KANATA RESEARCH PARK CORP./CROSS KEYS	STORMWATER MANAGEMENT FACILITY	KANATA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	
CA	MOSAID TECHNOLOGIES INCORPORATED	PT.LOT 8/CON.3,HINES RD., SWM	KANATA CITY ON	
CA		Kanata Research Park	Kanata ON	
CA		Kanata Research Park	Kanata ON	
CA		Kanata Research Park	Kanata ON	
CA	KANATA CITY - EAST MARCH TRUNK SEWERS	PROP.EASMT.-LEGGET DRIVE	KANATA CITY ON	
CA	Kanata Research Park Corporation	Plan 4M-1203, Blocks 1 to 17	Ottawa ON	
CA	Kanata Research Park Corporation		Ottawa ON	
CA	Kanata Research Park Corporation	Plan 4M-1203, Blocks 1 to 17	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9 Concession 4 Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9 Concession 4 Rideau Front	Ottawa ON	

CA	Plasco Trail Road Inc.	Part of Lot 9 Concession 4 Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9 Concession 4 Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	City of Ottawa	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA		Kanata Research Park	Kanata ON	
CA	Daniel Patrick O'Brien	Part Lot 9, Concession 3, at Manotick Station	Ottawa ON	
CA	City of Ottawa	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	Plasco Trail Road Inc.	Part of Lot 9, Concession 4, Rideau Front	Ottawa ON	
CA	Briaridge Sewage Pumping Station	Lot 9, Concession 4	Ottawa ON	
GEN	Trans Northern Pipelines Inc.	Lot 8, Concession 4, Township of Osgoode	Ottawa ON	K0A 2W0
LIMO	Cumberland Landfill	Lot 9, Concession 3	Ottawa ON	
PTTW	Kanata Research Park Corporation	Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata	CITY OF OTTAWA	ON
PTTW	Mattamy (Half Moon Bay) Limited	Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City	of Ottawa CITY OF OTTAWA Nepean	ON
PTTW	Burnside Sand & Gravel Limited	Lot 8, Concession 4RF, Ottawa (Geographic Township of Nepean) Nepean	ON	
SPL	City of Ottawa	LEGGET AND MARCH RD, KANATA<UNOFFICIAL>	Ottawa ON	
SPL	Nortel Networks<UNOFFICIAL>	Nortel Networks<UNOFFICIAL>	Ottawa ON	
SPL	OTTAWA-CARLETON, REG. MUN.	LEGGETT DRIVE, MARCH ROAD PUMP STATION, UNDERGROUND FUEL TANK. KANATA SITE-MARCH ROAD PUMP STATION LEGGETT DRIVE	KANATA CITY ON	
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON	

SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON
WWIS		lot 8	ON
WWIS		lot 9	ON
WWIS		lot 8	ON
WWIS		lot 8	ON
WWIS		lot 8	ON
WWIS		lot 8	ON
WWIS		lot 9	ON
WWIS		lot 9	ON
WWIS		lot 9	ON
WWIS		lot 9	ON
WWIS		lot 8	ON

# Unplottable Report

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**Site:** Lot 8/11 Con 4/5 Kanata ON

**Database:**  
AAGR

**Type:**  
**Region/County:** Ottawa-Carleton  
**Township:** Kanata  
**Concession:** 4/5  
**Lot:** 8/11  
**Size (ha):**  
**Landuse:**  
**Comments:**

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**Site:** KANATA RESEARCH PARK CORP.  
PT.LOTS 8&9/C-4, HELMSDALE,SWM KANATA ON

**Database:**  
CA

**Certificate #:** 3-1056-98-  
**Application Year:** 98  
**Issue Date:** 9/18/1998  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** KANATA RESEARCH PARK CORP.  
PT.LOT 9/CON.4,NEWBRIDGE (SWM) KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0095-94-  
**Application Year:** 94  
**Issue Date:** 3/15/1994  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** KANATA CITY  
LEGGET DRIVE KANATA CITY ON

**Database:**  
CA

**Certificate #:** 7-1141-88-  
**Application Year:** 88  
**Issue Date:** 7/28/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**

**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** KANATA RESEARCH PARK CORP./CROSS KEYS  
STORMWATER MANAGEMENT FACILITY KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0160-90-  
**Application Year:** 90  
**Issue Date:** 1/22/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved in 1991  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
MARCH ROAD RECON., SWM FAC. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0372-96-  
**Application Year:** 96  
**Issue Date:** 6/20/1996  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** MOSAID TECHNOLOGIES INCORPORATED  
PT.LOT 8/CON.3,HINES RD., SWM KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0773-97-  
**Application Year:** 97  
**Issue Date:** 8/13/1997  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Kanata Research Park Kanata ON

**Database:**  
CA

**Certificate #:** 8125- 4MTJ36  
**Application Year:** 01  
**Issue Date:** 3/29/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Notice  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive, Suite 206  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Design change of stormwater management pond 2 to allow encroachment of proposed Stealth Development and to provide for a second forebay  
**Contaminants:**  
**Emission Control:**

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**Site:** **Kanata Research Park Kanata ON** **Database:** **CA**

**Certificate #:** 8125-4MTJ36  
**Application Year:** 01  
**Issue Date:** 2/6/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Notice  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Amendment requested by Technical Support Staff.  
**Contaminants:**  
**Emission Control:**

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**Site:** **Kanata Research Park Kanata ON** **Database:** **CA**

**Certificate #:** 8125-4MTJ36  
**Application Year:** 02  
**Issue Date:** 5/30/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Revoked and/or Replaced  
**Application Type:** New Certificate of Approval  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Construction of 3 (three) permanent stormwater management facilities to provide quality and quantity control.  
**Contaminants:**  
**Emission Control:**

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**Site:** **KANATA CITY - EAST MARCH TRUNK SEWERS  
PROP.EASMT.-LEGGET DRIVE KANATA CITY ON** **Database:** **CA**

**Certificate #:** 3-2442-89-  
**Application Year:** 89  
**Issue Date:** 12/18/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**



**Emission Control:**

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**Site:** Kanata Research Park Corporation  
Plan 4M-1203, Blocks 1 to 17 Ottawa ON

**Database:**  
CA

**Certificate #:** 2037-62NP7W  
**Application Year:** 2004  
**Issue Date:** 7/8/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Kanata Research Park Corporation  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2794-5F6N36  
**Application Year:** 2002  
**Issue Date:** 10/22/2002  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Kanata Research Park Corporation  
Plan 4M-1203, Blocks 1 to 17 Ottawa ON

**Database:**  
CA

**Certificate #:** 3807-62PHBL  
**Application Year:** 2004  
**Issue Date:** 8/13/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Plasco Trail Road Inc.  
Part of Lot 9, Concession 4, Rideau Front Ottawa ON

**Database:**  
CA

**Certificate #:** 4152-84KLK5  
**Application Year:** 2010  
**Issue Date:** 5/28/2010  
**Approval Type:** Air  
**Status:** Amended  
**Application Type:**

**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9 Concession 4 Rideau Front Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 6925-6REN9E  
**Application Year:** 2008  
**Issue Date:** 10/23/2008  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9 Concession 4 Rideau Front Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 6925-6REN9E  
**Application Year:** 2008  
**Issue Date:** 10/24/2008  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9 Concession 4 Rideau Front Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 6925-6REN9E  
**Application Year:** 2008  
**Issue Date:** 12/2/2008  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9 Concession 4 Rideau Front Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 6925-6REN9E  
**Application Year:** 2009  
**Issue Date:** 3/31/2009  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 6925-6REN9E  
**Application Year:** 2009  
**Issue Date:** 10/27/2009  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 6925-6REN9E  
**Application Year:** 2009  
**Issue Date:** 12/11/2009  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** *Plasco Trail Road Inc.  
Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 6925-6REN9E  
**Application Year:** 2009  
**Issue Date:** 4/23/2009  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.*  
*Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 6925-6REN9E  
**Application Year:** 2006  
**Issue Date:** 12/1/2006  
**Approval Type:** Air  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *City of Ottawa*  
*Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 8807-6VZMMT  
**Application Year:** 2006  
**Issue Date:** 12/4/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** *Kanata Research Park Kanata ON*

**Database:**  
[CA](#)

**Certificate #:** 5816-5ALKNH  
**Application Year:** 02  
**Issue Date:** 5/30/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Amended CofA  
**Client Name:** Kanata Research Park Corporation  
**Client Address:** 555 Legget Drive, Suite 206  
**Client City:** Kanata  
**Client Postal Code:** K2K 2X3  
**Project Description:** Increase Storage Volumes for Stormwater Management Pond No. 3.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Daniel Patrick O'Brien*  
*Part Lot 9, Concession 3, at Manotick Station Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 9380-68QMKZ  
**Application Year:** 2005  
**Issue Date:** 1/27/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**

**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *City of Ottawa  
Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
**CA**

**Certificate #:** 9022-6SSRGS  
**Application Year:** 2006  
**Issue Date:** 8/28/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Plasco Trail Road Inc.  
Part of Lot 9, Concession 4, Rideau Front Ottawa ON*

**Database:**  
**CA**

**Certificate #:** 4152-84KLK5  
**Application Year:** 2011  
**Issue Date:** 1/7/2011  
**Approval Type:** Air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** *Briaridge Sewage Pumping Station  
Lot 9, Concession 4 Ottawa ON*

**Database:**  
**CA**

**Certificate #:** 1586-4WKNNQ  
**Application Year:** 01  
**Issue Date:** 5/18/01  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Tenth Line Development Inc.  
**Client Address:** 210 Gladstone Avenue, Suite 2001  
**Client City:** Ottawa  
**Client Postal Code:** K2P 0Y6  
**Project Description:** This application is for a Certificate of Approval for a diesel generator.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Trans Northern Pipelines Inc.  
Lot 8, Concession 4, Township of Osgoode Ottawa ON K0A 2W0*

**Database:**  
**GEN**

**Generator No:** ON8926377

**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Nov 2021  
**PO Box No:**  
**Country:** Canada  
**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 146 L  
**Waste Class Name:** Other specified inorganic sludges, slurries or solids

**Site:** **Cumberland Landfill**  
**Lot 9, Concession 3 Ottawa ON**

**Database:**  
**LIMO**

<b>ECA/Instrument No:</b>	A461602	<b>Natural Attenuation:</b>	
<b>Operation Status:</b>	Closed	<b>Liners:</b>	
<b>C of A Issue Date:</b>		<b>Cover Material:</b>	
<b>C of A Issued to:</b>		<b>Leachate Off-Site:</b>	
<b>Lndfl Gas Mgmt (P):</b>		<b>Leachate On Site:</b>	
<b>Lndfl Gas Mgmt (F):</b>		<b>Req Coll Lndfl Gas:</b>	
<b>Lndfl Gas Mgmt (E):</b>		<b>Lndfl Gas Coll:</b>	
<b>Lndfl Gas Mgmt Sys:</b>		<b>Total Waste Rec:</b>	
<b>Landfill Gas Mntr:</b>		<b>TWR Methodology:</b>	
<b>Leachate Coll Sys:</b>		<b>TWR Unit:</b>	
<b>ERC Est Vol (m3):</b>		<b>Tot Aprv Cap Unit:</b>	
<b>ERC Volume Unit:</b>		<b>Financial Assurance:</b>	
<b>ERC Dt Last Det:</b>		<b>Last Report Year:</b>	
<b>Landfill Type:</b>		<b>Region:</b>	Eastern
<b>Source File Type:</b>		<b>District Office:</b>	Ottawa
<b>Fill Rate:</b>		<b>Site County:</b>	
<b>Fill Rate Unit:</b>		<b>Lot:</b>	
<b>Tot Fill Area (ha):</b>		<b>Concession:</b>	
<b>Tot Site Area (ha):</b>		<b>Latitude:</b>	
<b>Footprint:</b>		<b>Longitude:</b>	
<b>Tot Aprv Cap (m3):</b>		<b>Easting:</b>	
<b>Contam Atten Zone:</b>		<b>Northing:</b>	
<b>Grndwtr Mntr:</b>		<b>UTM Zone:</b>	
<b>Surf Wtr Mntr:</b>		<b>Data Source:</b>	
<b>Air Emis Monitor:</b>			
<b>Approved Waste Type:</b>			
<b>Client Site Name:</b>			
<b>ERC Methodology:</b>			
<b>Site Name:</b>	Cumberland Landfill		
<b>Site Location Details:</b>			
<b>Service Area:</b>			
<b>Page URL:</b>			

**Site:** **Kanata Research Park Corporation**  
**Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA ON**

**Database:**  
**PTTW**

<b>EBR Registry No:</b>	IA05E1015	<b>Decision Posted:</b>	
<b>Ministry Ref No:</b>	ER-3083-67XPBX	<b>Exception Posted:</b>	
<b>Notice Type:</b>	Instrument Decision	<b>Section:</b>	
<b>Notice Stage:</b>		<b>Act 1:</b>	
<b>Notice Date:</b>	November 02, 2005	<b>Act 2:</b>	
<b>Proposal Date:</b>	June 29, 2005	<b>Site Location Map:</b>	
<b>Year:</b>	2005		
<b>Instrument Type:</b>	(OWRA s. 34) - Permit to Take Water		
<b>Off Instrument Name:</b>			
<b>Posted By:</b>			

**Company Name:** Kanata Research Park Corporation  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 555 Legget Drive, Kanata Ontario, K2K 2X3  
**Comment Period:**  
**URL:**

**Site Location Details:**

Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA

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**Site:** **Mattamy (Half Moon Bay) Limited**  
**Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City of Ottawa CITY OF OTTAWA Nepean ON**

**Database:**  
**PTTW**

**EBR Registry No:** 012-5618  
**Ministry Ref No:** 6071-A3PQPJ  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** February 01, 2016  
**Proposal Date:** November 03, 2015  
**Year:** 2015  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Mattamy (Half Moon Bay) Limited  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 2360 Bristol Circle, Oakville Ontario, Canada L6H 6M5  
**Comment Period:**  
**URL:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

**Site Location Details:**

Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City of Ottawa CITY OF OTTAWA Nepean

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**Site:** **Burnside Sand & Gravel Limited**  
**Lot 8, Concession 4RF, Ottawa (Geographic Township of Nepean) Nepean ON**

**Database:**  
**PTTW**

**EBR Registry No:** IA03E1440  
**Ministry Ref No:** ER-18582  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** March 16, 2004  
**Proposal Date:** October 14, 2003  
**Year:** 2003  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Burnside Sand & Gravel Limited  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 3301 Moodie Drive, Ottawa, ON Ontario, K2J 4S8  
**Comment Period:**  
**URL:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

**Site Location Details:**

Lot 8, Concession 4RF, Ottawa (Geographic Township of Nepean) Nepean

**Site:** City of Ottawa  
LEGGET AND MARCH RD, KANATA<UNOFFICIAL> Ottawa ON

**Database:**  
SPL

**Ref No:** 0123-64NQX5  
**Year:**  
**Incident Dt:** 9/9/2004  
**Dt MOE Arvl on Scrn:**  
**MOE Reported Dt:** 9/9/2004  
**Dt Document Closed:**  
**Site No:**  
**MOE Response:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:** Ottawa  
**Nearest Watercourse:**  
**Site Name:** LEGGET AND MARCH RD, KANATA<UNOFFICIAL>  
**Site Address:**  
**Site Region:** Eastern  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Preceding Spill:**  
**Environment Impact:** Possible  
**Health Env Consequence:**  
**Nature of Impact:** Surface Water Pollution  
**Contaminant Qty:**  
**System Facility Address:**  
**Client Name:** City of Ottawa  
**Client Type:**  
**Source Type:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,RAW UNCHLORINATED  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** Water  
**Incident Reason:** Equipment Failure  
**Incident Summary:** Legget & March Rd SPS,raw,unchlorin,equip failure  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:** Spill to Inland Watercourses  
**Call Report Locatn Geodata:**

**Site:** Nortel Networks<UNOFFICIAL>  
Nortel Networks<UNOFFICIAL> Ottawa ON

**Database:**  
SPL

**Ref No:** 4030-6GTJE2  
**Year:**  
**Incident Dt:** 9/28/2005  
**Dt MOE Arvl on Scrn:**  
**MOE Reported Dt:** 10/3/2005  
**Dt Document Closed:**  
**Site No:**  
**MOE Response:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:** Ottawa  
**Nearest Watercourse:**  
**Municipality No:**  
**Nature of Damage:**  
**Discharger Report:** 0  
**Material Group:** Gases/Particulate  
**Impact to Health:**  
**Agency Involved:**



**Site Name:** Nortel Networks<UNOFFICIAL>  
**Site Address:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**  
**Incident Cause:**  
**Incident Preceding Spill:**  
**Environment Impact:** Not Anticipated  
**Health Env Consequence:**  
**Nature of Impact:**  
**Contaminant Qty:**  
**System Facility Address:**  
**Client Name:** Nortel Networks<UNOFFICIAL>  
**Client Type:**  
**Source Type:**  
**Contaminant Code:**  
**Contaminant Name:** HALON (CFC)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** Air  
**Incident Reason:**  
**Incident Summary:** Spill to Air  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:** Other  
**SAC Action Class:** Spills at Federal Facilities & Spills of National Interest  
**Call Report Locatn Geodata:**

**Site:** OTTAWA-CARLETON, REG. MUN.  
 LEGGETT DRIVE, MARCH ROAD PUMP STATION, UNDERGROUND FUEL TANK. KANATA SITE-MARCH ROAD  
 PUMP STATION LEGGETT DRIVE KANATA CITY ON

**Database:**  
 SPL

<b>Ref No:</b>	134351	<b>Municipality No:</b>	20103
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	//	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	11/18/1996	<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>		<b>Agency Involved:</b>	
<b>Site No:</b>			
<b>MOE Response:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>			
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>			
<b>Site Address:</b>			
<b>Site Region:</b>			
<b>Site Municipality:</b>	KANATA CITY		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			
<b>Easting:</b>			
<b>Incident Cause:</b>	CONTAINER OVERFLOW		
<b>Incident Preceding Spill:</b>			
<b>Environment Impact:</b>	POSSIBLE		
<b>Health Env Consequence:</b>			
<b>Nature of Impact:</b>	Soil contamination		
<b>Contaminant Qty:</b>			

**System Facility Address:**  
**Client Name:**  
**Client Type:**  
**Source Type:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** LAND  
**Incident Reason:** EQUIPMENT FAILURE  
**Incident Summary:** REG. MUN. OTTAWA-CARLETONL.U.S.T. FUEL LEAKING OUTTOP OF THE TANK.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**

**Site:** ONTARIO HYDRO  
 SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

**Database:**  
 SPL

<b>Ref No:</b>	128700	<b>Municipality No:</b>	20103
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	6/26/1996	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	7/3/1996	<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>		<b>Agency Involved:</b>	EPS

**Site No:**  
**MOE Response:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:**  
**Site Address:**  
**Site Region:**  
**Site Municipality:** KANATA CITY  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**

**Northing:**  
**Easting:**  
**Incident Cause:** COOLING SYSTEM LEAK  
**Incident Preceding Spill:**  
**Environment Impact:** CONFIRMED  
**Health Env Consequence:**  
**Nature of Impact:** Soil contamination

**Contaminant Qty:**  
**System Facility Address:**  
**Client Name:**  
**Client Type:**  
**Source Type:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** LAND  
**Incident Reason:** OTHER  
**Incident Summary:** ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**

Call Report Locatn Geodata:

**Site:** OTTAWA-CARLETON TRANSIT  
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 222088 **Municipality No:** 20107  
**Year:** **Nature of Damage:**  
**Incident Dt:** 2/25/2002 **Discharger Report:**  
**Dt MOE Arvl on Scn:** **Material Group:**  
**MOE Reported Dt:** 2/25/2002 **Impact to Health:**  
**Dt Document Closed:** **Agency Involved:**  
**Site No:**  
**MOE Response:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:**  
**Site Address:**  
**Site Region:**  
**Site Municipality:** OTTAWA CITY  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Eastng:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Preceding Spill:**  
**Environment Impact:** POSSIBLE  
**Health Env Consequence:**  
**Nature of Impact:** Water course or lake  
**Contaminant Qty:**  
**System Facility Address:**  
**Client Name:**  
**Client Type:**  
**Source Type:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** LAND / WATER  
**Incident Reason:** MATERIAL FAILURE  
**Incident Summary:** OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**

**Site:** lot 8 ON

**Database:**  
WWIS

**Well ID:** 1531461 **Flowing (Y/N):**  
**Construction Date:** **Flow Rate:**  
**Use 1st:** Domestic **Data Entry Status:**  
**Use 2nd:** **Data Src:** 1  
**Final Well Status:** Water Supply **Date Received:** 10/26/2000  
**Water Type:** **Selected Flag:** TRUE  
**Casing Material:** **Abandonment Rec:**  
**Audit No:** 223452 **Contractor:** 3323  
**Tag:** **Form Version:** 1  
**Constructn Method:** **Owner:**  
**Elevation (m):** **County:** OTTAWA-CARLETON

**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**

**Lot:** 008  
**Concession:**  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10052995  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 09/27/2000  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931078556  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931078557  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 20.0  
**Formation End Depth:** 42.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933116632  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 27.0  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961531461  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10601565  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930092746  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991531461  
**Pump Set At:**  
**Static Level:** 10.0  
**Final Level After Pumping:** 42.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 25.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 25.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:**  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934657598  
**Test Type:** Recovery  
**Test Duration:** 45  
**Test Level:** 10.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934914489  
**Test Type:** Recovery  
**Test Duration:** 60  
**Test Level:** 10.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112908  
**Test Type:** Recovery  
**Test Duration:** 15  
**Test Level:** 16.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934397080  
**Test Type:** Recovery  
**Test Duration:** 30  
**Test Level:** 12.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933491929  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 35.0  
**Water Found Depth UOM:** ft

**Site:** lot 9 ON

**Database:**  
**WWIS**

**Well ID:** 1525906  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**  
**Final Well Status:** Recharge Well  
**Water Type:**  
**Casing Material:**  
**Audit No:** 92144  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 12/06/1991  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 3644  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 009  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047641  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 11/12/1991  
**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM

**Remarks:**

**Location Method Desc:** Not Applicable i.e. no UTM

**Location Method:** na

**Elevrc Desc:**

**Location Source Date:**

**Improvement Location Source:**

**Improvement Location Method:**

**Source Revision Comment:**

**Supplier Comment:**

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062633  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 15.0  
**Formation End Depth:** 95.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062635  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 180.0  
**Formation End Depth:** 203.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062632  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 12  
**Material 2 Desc:** STONES  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 15.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062634  
**Layer:** 3

**Color:** 2  
**General Color:** GREY  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:** 71  
**Material 2 Desc:** FRACTURED  
**Material 3:** 85  
**Material 3 Desc:** SOFT  
**Formation Top Depth:** 95.0  
**Formation End Depth:** 180.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961525906  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596211  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930083438  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 203.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930083437  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991525906  
**Pump Set At:**  
**Static Level:** 10.0  
**Final Level After Pumping:** 150.0  
**Recommended Pump Depth:** 150.0  
**Pumping Rate:** 7.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 7.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2



**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105682  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934389316  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649842  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934907457  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933485037  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 100.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933485038  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 180.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 8 ON

**Database:**  
WWIS

**Well ID:** 1531175  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1

**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 206815  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**

**Date Received:** 06/12/2000  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 6006  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 008  
**Concession:**  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10052709  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 05/30/2000  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931077736  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 85  
**Material 2 Desc:** SOFT  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 8.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931077737  
**Layer:** 2  
**Color:** 1  
**General Color:** WHITE  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:** 73  
**Material 2 Desc:** HARD  
**Material 3:**  
**Material 3 Desc:**

**Formation Top Depth:** 8.0  
**Formation End Depth:** 60.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933116346  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 20.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961531175  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10601279  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930092144  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 20.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930092145  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 60.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991531175  
**Pump Set At:**  
**Static Level:** 12.0  
**Final Level After Pumping:** 55.0  
**Recommended Pump Depth:** 58.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft

Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 1  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121142  
Test Type: Recovery  
Test Duration: 15  
Test Level: 12.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396553  
Test Type: Recovery  
Test Duration: 30  
Test Level: 12.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913407  
Test Type: Recovery  
Test Duration: 60  
Test Level: 12.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665279  
Test Type: Recovery  
Test Duration: 45  
Test Level: 12.0  
Test Level UOM: ft

Water Details

Water ID: 933491538  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 40.0  
Water Found Depth UOM: ft

Site: lot 8 ON

**Database:**  
**WWIS**

Well ID: 1525907  
Construction Date:  
Use 1st: Domestic  
Use 2nd:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 92145  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 12/06/1991  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 3644  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 008

**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**

**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047642  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 11/12/1991  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931062636  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 12  
**Material 2 Desc:** STONES  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931062637  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 83.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**  
**Use**

**Method Construction ID:** 961525907  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596212  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930083440  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 83.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930083439  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 25.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991525907  
**Pump Set At:**  
**Static Level:** 10.0  
**Final Level After Pumping:** 60.0  
**Recommended Pump Depth:** 60.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 15.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934389317  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 60.0  
**Test Level UOM:** ft

Draw Down & Recovery

Pump Test Detail ID: 934105683  
Test Type:  
Test Duration: 15  
Test Level: 60.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649843  
Test Type:  
Test Duration: 45  
Test Level: 60.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907458  
Test Type:  
Test Duration: 60  
Test Level: 60.0  
Test Level UOM: ft

Water Details

Water ID: 933485039  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 60.0  
Water Found Depth UOM: ft

Water Details

Water ID: 933485040  
Layer: 2  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 78.0  
Water Found Depth UOM: ft

Site: lot 8 ON

Database:  
[WWIS](#)

Well ID: 1528693  
Construction Date:  
Use 1st: Domestic  
Use 2nd:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 152972  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: MARCH TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 08/28/1995  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 5222  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 008  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

**Bore Hole ID:** 10050229  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 03/02/1995  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931070508  
**Layer:** 1  
**Color:**  
**General Color:**  
**Material 1:** 01  
**Material 1 Desc:** FILL  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 3.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931070509  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 81  
**Material 2 Desc:** SANDY  
**Material 3:** 66  
**Material 3 Desc:** DENSE  
**Formation Top Depth:** 3.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931070511  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:** 73  
**Material 2 Desc:** HARD



**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 9.0  
**Formation End Depth:** 49.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931070510  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 13  
**Material 1 Desc:** BOULDERS  
**Material 2:** 05  
**Material 2 Desc:** CLAY  
**Material 3:** 77  
**Material 3 Desc:** LOOSE  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 9.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931070512  
**Layer:** 5  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:** 46  
**Material 2 Desc:** QUARTZ  
**Material 3:** 73  
**Material 3 Desc:** HARD  
**Formation Top Depth:** 49.0  
**Formation End Depth:** 60.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**  
**Sealing Record**

**Plug ID:** 933113622  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 20.0  
**Plug Depth UOM:** ft

**Method of Construction & Well**  
**Use**

**Method Construction ID:** 961528693  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10598799  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930087787  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 60.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930087786  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991528693  
**Pump Set At:**  
**Static Level:** 12.0  
**Final Level After Pumping:** 50.0  
**Recommended Pump Depth:** 50.0  
**Pumping Rate:** 12.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933488508  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 51.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933488507  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 48.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 8 ON

**Database:**  
WWIS

**Well ID:** 1500396  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** OTTAWA CITY (GLOUCESTER)  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 02/26/1948  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 1107  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 008  
**Concession:**  
**Concession Name:** JG  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10022441  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 10/29/1947  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 930989161  
**Layer:** 1  
**Color:** 3  
**General Color:** BLUE  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 12  
**Material 2 Desc:** STONES  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 28.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 930989162  
**Layer:** 2  
**Color:**  
**General Color:**  
**Material 1:** 26  
**Material 1 Desc:** ROCK

**Material 2:** 19  
**Material 2 Desc:** SLATE  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 28.0  
**Formation End Depth:** 51.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961500396  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10571011  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930037815  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 28.0  
**Casing Diameter:** 4.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930037816  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 51.0  
**Casing Diameter:** 4.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** BAILER  
**Pump Test ID:** 991500396  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 6.0  
**Recommended Pump Depth:**  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 0  
**Pumping Duration MIN:** 30

Flowing: No

**Water Details**

Water ID: 933452913  
Layer: 1  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 51.0  
Water Found Depth UOM: ft

**Site:**  
lot 9 ON

**Database:**  
[WWIS](#)

Well ID: 1532483  
Construction Date:  
Use 1st: Domestic  
Use 2nd:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 234729  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: MARCH TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 12/04/2001  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 3323  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 009  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10516933  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 10/30/2001  
Remarks:  
Location Method Desc: Not Applicable i.e. no UTM  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Elevation:  
Elevrc: 18  
Zone:  
East83:  
North83:  
Org CS:  
UTMRC: 9  
UTMRC Desc: unknown UTM  
Location Method: na

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 932832977  
Layer: 2  
Color: 1  
General Color: WHITE  
Material 1: 18  
Material 1 Desc: SANDSTONE  
Material 2:  
Material 2 Desc:  
Material 3:

**Material 3 Desc:**  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 25.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 932832978  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 25.0  
**Formation End Depth:** 62.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 932832976  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 28  
**Material 1 Desc:** SAND  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**  
**Sealing Record**

**Plug ID:** 933219919  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 22.0  
**Plug Depth UOM:** ft

**Method of Construction & Well**  
**Use**

**Method Construction ID:** 961532483  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11065503  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930094926  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991532483  
**Pump Set At:**  
**Static Level:** 8.0  
**Final Level After Pumping:** 60.0  
**Recommended Pump Depth:** 30.0  
**Pumping Rate:** 50.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 20.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934661001  
**Test Type:** Recovery  
**Test Duration:** 45  
**Test Level:** 8.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934917747  
**Test Type:** Recovery  
**Test Duration:** 60  
**Test Level:** 8.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934401034  
**Test Type:** Recovery  
**Test Duration:** 30  
**Test Level:** 9.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934116866  
**Test Type:** Recovery  
**Test Duration:** 15  
**Test Level:** 11.0  
**Test Level UOM:** ft

**Water Details**

Water ID: 934008701  
Layer: 1  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 57.0  
Water Found Depth UOM: ft

**Site:**  
lot 9 ON

**Database:**  
WWIS

Well ID: 1525911  
Construction Date:  
Use 1st: Domestic  
Use 2nd:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 92152  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: MARCH TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 12/06/1991  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 3644  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 009  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10047646  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 11/20/1991  
Remarks:  
Location Method Desc: Not Applicable i.e. no UTM  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Elevation:  
Elevrc: 18  
Zone:  
East83:  
North83:  
Org CS:  
UTMRC: 9  
UTMRC Desc: unknown UTM  
Location Method: na

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 931062646  
Layer: 3  
Color: 7  
General Color: RED  
Material 1: 21  
Material 1 Desc: GRANITE  
Material 2: 71  
Material 2 Desc: FRACTURED  
Material 3: 85  
Material 3 Desc: SOFT  
Formation Top Depth: 90.0  
Formation End Depth: 180.0



**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062645  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 15.0  
**Formation End Depth:** 90.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062647  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 180.0  
**Formation End Depth:** 203.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062644  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 11  
**Material 2 Desc:** GRAVEL  
**Material 3:** 12  
**Material 3 Desc:** STONES  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 15.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961525911  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596216  
**Casing No:** 1

**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930083447  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930083448  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 203.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991525911  
**Pump Set At:**  
**Static Level:** 10.0  
**Final Level After Pumping:** 150.0  
**Recommended Pump Depth:** 150.0  
**Pumping Rate:** 18.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 15.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934389321  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934650265  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934907462  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105687  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933485046  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 194.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933485045  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 95.0  
**Water Found Depth UOM:** ft

**Site:** lot 9 ON

**Database:**  
**WWIS**

**Well ID:** 1527474  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 135688  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/07/1993  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 1119  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 009  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10049113  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**

**Cluster Kind:**  
**Date Completed:** 09/21/1993  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931066758  
**Layer:** 4  
**Color:** 1  
**General Color:** WHITE  
**Material 1:** 21  
**Material 1 Desc:** GRANITE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 197.0  
**Formation End Depth:** 260.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931066755  
**Layer:** 1  
**Color:**  
**General Color:**  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931066757  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 68.0  
**Formation End Depth:** 197.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931066756  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 15  
**Material 1 Desc:** LIMESTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 68.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933112483  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 20.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961527474  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10597683  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930085763  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930085764  
**Layer:** 2  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:** 20.0  
**Casing Diameter:**  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930085765  
**Layer:** 3  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:** 260.0  
**Casing Diameter:**  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991527474  
**Pump Set At:**  
**Static Level:** 20.0  
**Final Level After Pumping:** 180.0  
**Recommended Pump Depth:** 200.0  
**Pumping Rate:** 4.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 0  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934110715  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934903650  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934654856  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934385530  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Water Details**

Water ID: 933486932  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 89.0  
Water Found Depth UOM: ft

Water Details

Water ID: 933486933  
Layer: 2  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 130.0  
Water Found Depth UOM: ft

Water Details

Water ID: 933486934  
Layer: 3  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 197.0  
Water Found Depth UOM: ft

Site:

lot 9 ON

Database:  
[WWIS](#)

Well ID: 1527475  
Construction Date:  
Use 1st:  
Use 2nd:  
Final Well Status:  
Water Type:  
Casing Material:  
Audit No: 135689  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: MARCH TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 10/07/1993  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 1119  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 009  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049114  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 09/21/1993  
Remarks:  
Location Method Desc: Not Applicable i.e. no UTM  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:

Elevation:  
Elevrc:  
Zone: 18  
East83:  
North83:  
Org CS:  
UTMRC:  
UTMRC Desc: 9 unknown UTM  
Location Method: na

**Supplier Comment:**

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931066760  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 15  
**Material 1 Desc:** LIMESTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 84.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931066761  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 84.0  
**Formation End Depth:** 160.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931066759  
**Layer:** 1  
**Color:**  
**General Color:**  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961527475  
**Method Construction Code:** 0  
**Method Construction:** Not Known  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10597684  
**Casing No:** 1



Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930085767  
Layer: 2  
Material: 4  
Open Hole or Material: OPEN HOLE  
Depth From:  
Depth To: 20.0  
Casing Diameter: 9.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930085766  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 22.0  
Casing Diameter: 6.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930085768  
Layer: 3  
Material:  
Open Hole or Material:  
Depth From:  
Depth To: 160.0  
Casing Diameter: 6.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Water Details**

Water ID: 933486935  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 140.0  
Water Found Depth UOM: ft

**Site:**  
lot 8 ON

**Database:**  
WWIS

Well ID: 1525908  
Construction Date:  
Use 1st: Domestic  
Use 2nd:  
Final Well Status: Recharge Well  
Water Type:  
Casing Material:  
Audit No: 92146  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 12/06/1991  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 3644  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 008  
Concession:  
Concession Name:

**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**

**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047643  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 11/13/1991  
**Remarks:**  
**Location Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062639  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 18  
**Material 1 Desc:** SANDSTONE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 5.0  
**Formation End Depth:** 63.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931062638  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 12  
**Material 2 Desc:** STONES  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 5.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961525908  
**Method Construction Code:** 5

**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596213  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930083442  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 63.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930083441  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 26.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991525908  
**Pump Set At:**  
**Static Level:** 10.0  
**Final Level After Pumping:** 40.0  
**Recommended Pump Depth:** 40.0  
**Pumping Rate:** 50.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 15.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649844  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934389318  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934907459  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105684  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933485041  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 56.0  
**Water Found Depth UOM:** ft

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.*

**Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

**Aggregate Inventory:**

Provincial [AGR](#)

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

**Government Publication Date: Up to Nov 2023**

**Abandoned Mine Information System:**

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Apr 2024**

**Anderson's Waste Disposal Sites:**

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

**Aboveground Storage Tanks:**

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

**Automobile Wrecking & Supplies:**

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Apr 30, 2024**

**Borehole:**

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2022**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 2023**

**Chemical Manufacturers and Distributors:**

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

**Government Publication Date: 1999-Apr 30, 2024**

**Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 2012 -May 2024**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-May 2024**

**Certificates of Property Use:**

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994 - Jun 30, 2024**

**Drill Hole Database:**

Provincial

DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886 - Aug 2023****Delisted Fuel Tanks:**

Provincial

DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: Oct 2023****Environmental Activity and Sector Registry:**

Provincial

EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011-Jun 30, 2024****Environmental Registry:**

Provincial

EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994 - Jun 30, 2024****Environmental Compliance Approval:**

Provincial

ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011-Jun 30, 2024****Environmental Effects Monitoring:**

Federal

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\*****ERIS Historical Searches:**

Private

EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Mar 31, 2024****Environmental Issues Inventory System:**

Federal

EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Apr 30, 2022**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2023**

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 2023**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

**Government Publication Date: Jun 2000-Jun 2024**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

**Government Publication Date: Oct 31, 2021**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 2023**



**Fuel Storage Tank - Historic:**

Provincial

**FSTH**

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

**GEN**

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

**Government Publication Date: 1986-Oct 31, 2022**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

**GHG**

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2022**

**TSSA Historic Incidents:**

Provincial

**HINC**

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

**IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

**INC**

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

**Government Publication Date: 31 Oct, 2023**

**Landfill Inventory Management Ontario:**

Provincial

**LIMO**

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Mar 31, 2022**

**Canadian Mine Locations:**

Private

**MINE**

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial

[MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Feb 2024**

**National Analysis of Trends in Emergencies System (NATES):**

Federal

[NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial

[NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Government Publication Date: Dec 31, 2022**

**National Defense & Canadian Forces Fuel Tanks:**

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Nov 2023**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal

[NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal

[NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Jun 30, 2021**

**National Energy Board Wells:**

Federal

[NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

[NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

[NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory 1993-2020:**

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

**Government Publication Date: Sep 2020**

**National Pollutant Release Inventory - Historic:**

Federal

[NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

[OGWE](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Government Publication Date: 1988-May 31, 2024**

**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Aug 2023**

**Inventory of PCB Storage Sites:**

Provincial

[OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**

**Orders:**

Provincial

[ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994 - Jun 30, 2024**

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial

PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

**Government Publication Date: Oct 2011-Jun 30, 2024**

**NPRI Reporters - PFAS Substances:**

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

**Government Publication Date: Sep 2020**

**Potential PFAS Handlers from NPRI:**

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

**Government Publication Date: Sep 2020**

**Pipeline Incidents:**

Provincial

PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: Feb 28, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial

PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994 - Jun 30, 2024**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial

REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-1990, 1992-2021**

**Record of Site Condition:**

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2024**

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-Apr 30, 2024**

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Mar 2024, May 2024 in addition to those listed in the Government Publication Date.

**Government Publication Date: 1988-Jan 2023; see description**

**Wastewater Discharger Registration Database:**

Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

**Government Publication Date: 1990-Dec 31, 2021**

**Anderson's Storage Tanks:**

Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

**Government Publication Date: 1970 - Apr 2023**

**Variances for Abandonment of Underground Storage Tanks:**

Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

**Government Publication Date: Feb 28, 2022**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011-Jun 30, 2024**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Dec 31 2023**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



# **Appendix D**

## **Site Photographs**



# Site Photographs



*Photo 1 View of Site (Parking Lot), facing North. Adjacent Nokia office towers (left) and adjacent office towers (right; beyond Legget Drive) observed.*



*Photo 2 View of southern end of Site (parking lot), facing South. Adjacent Sanmina building observed beyond tree line.*



*Photo 3 View of northern end of Site (parking lot), facing east, adjacent to Nokia Office Complex property to the left.*





*Photo 4 View of Legget Drive, facing North. Typical adjacent office and hotel towers observed.*



*Photo 5 View of March Road, facing Northwest. Typical office and commercial buildings observed.*

Note: Additional photos of the Overall Nokia Office Property and adjacent properties are provided in the 2022 GHD Phase One ESA (refer to Appendix B).



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