LOPERS & ASSOCIATES

Phase One Environmental Site Assessment

100 Steacie Drive
Ottawa, Ontario

Prepared for:
3223701 Canada Inc.

September 25, 2020

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1. Executive Summary

Lopers & Associates (Lopers) was retained by 3223701 Canada Inc. (Brigil) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the undeveloped property with Civic address No. 100 Steacie Drive, Ottawa, Ontario ("Phase One Property", "Property" or "Site").

This Phase One ESA is being completed as part of due diligence requirements associated with the submission of a Development Application to the City of Ottawa Municipal Planning Department.

Based on the information reviewed as part of this Phase One ESA, specifically title search and aerial photographs, the Phase One Property has never been developed or occupied for any use and the O.Reg. 153/04 property use classification is considered to be Agricultural or Other Use.

The Property is currently vacant, is zoned business park industrial. 3223701 Canada Inc. purchased the Property in 2009, and it is understood that the intended future use is for residential purposes. The Phase One Property is immediately surrounded by a municipal Right-of-Way and commercial businesses to the east, parkland followed by residential properties to the south, an industrial storage building and railway line to the north and undeveloped land to the west.

The potential historic importation and placement of fill material of unknown quality was identified at the Phase One Property. Based on the laboratory analytical results from soil samples collected and analyzed to determine the environmental quality of the fill at the Property as part of a concurrent investigation, this PCA is not considered to represent an APEC for the Phase One Property.

Seven additional PCAs at neighbouring properties in the Phase One Study Area were identified as part of this Phase One ESA. Neighbouring property PCAs consist of a railway, an electricity transformer station, fuel storage tanks and electronics & computer manufacturing. The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

The PCAs identified at the Phase One Property and neighbouring properties in the Phase One Study Area are included in Table 1 below.

Table 1: Potentially Contaminating Activities and Areas of Potential Environmental Concern

PCA Report Reference No.	Potentially Contaminating Activity	Location	APEC Report Reference No.
1	Fill placement during historical grading activities (O.Reg. 153/04 PCA Item 30: Importation of Fill Material of Unknown Quality)	South and east portions of the Phase One Property	Not Applicable
2	CN Railway Line (O.Reg. 153/04 PCA Item 46: Rail Yards, Tracks and Spurs)	Adjacent to the north of the Phase One Property	Not Applicable
3	Electricity Transformer Station (O.Reg. 153/04 PCA Item 18: Electricity Generation, Transformation and Power Stations)	25 Station Road – Property limits 65 m west-northwest of the Phase One Property, operations 150 m northwest.	Not Applicable
4	Electronic parts & computer component manufacturing were identified at 62 Steacie Drive (O.Reg. 153/04 PCA Item 19: Electronic and Computer Equipment Manufacturing)	62 Steacie Drive - Adjacent to the east of the Phase One Property.	Not Applicable
5	Electronic parts & computer component manufacturing were identified at 62 Steacie Drive (O.Reg. 153/04 PCA Item 19: Electronic and Computer Equipment Manufacturing)	365 March Road - Property limits 50 m northeast of the Phase One Property, operations 140 m northeast.	Not Applicable
6	Fuel Storage Tank(s) (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	413 March Road - Property limits 40 m north of the Phase One Property, operations 140 m north.	Not Applicable
7	Fuel Storage Tank(s) (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	401 March Road - Property limits 30 m northeast of the Phase One Property, operations 190 m northeast	Not Applicable
8	Fuel Storage Tank(s) (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	447 March Road - Property limits 240 m north of the Phase One Property	Not Applicable

Based on the location, orientation and/or previous investigations of the PCAs identified as part of this Phase One ESA, none are considered to represent APECs for the Phase One Property. A Phase Two Environmental Site Assessment is not required for the Phase One Property.

2. Introduction

Lopers & Associates (Lopers) was retained by 3223701 Canada Inc. (Brigil) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the undeveloped property with Civic address No. 100 Steacie Drive, Ottawa, Ontario ("Site" or "Phase One Property").

The Phase One Property is legally described as Part Lots 6 & 7, Concession 3, on Plan 4R-21324, Geographic Township of March, City of Ottawa 04511-0007, as obtained from a Legal Survey completed by Farley, Smiths & Denis Surveying Ltd., on August 1, 2006, provided by Brigil; a copy of the Legal Survey is presented in Appendix A.

Based on approximate dimensions obtained from the City of Ottawa's GIS mapping software, the Phase One Property has an approximate area of 22,000 m^2 (2.2 Hectares) and a zoning designation of IP6 H(14), which signifies an business park industrial zone with a height restriction of 14 m. The approximate elevation of the Phase One Property as indicated on the City of Ottawa mapping and confirmed through Google Earth is between approximately 88 and 90 m above mean sea level (m AMSL). The approximate centre of the Phase One Property has Latitude and Longitude coordinates of 45° 20′ 10″ N and 75° 54′ 54″ W and Universal Transverse Mercator (UTM) coordinates of 428315 m E and 5020707 m N.

The Phase One Property is currently owned by 3223701 Canada Inc., a subsidiary company of Brigil Construction ("Brigil"). It is Lopers' understanding that Brigil intends to develop the Phase One Property for residential purposes, including the current concept for construction of two multiunit, multi-storey buildings ranging from 113 to 145 units, with surface parking. A copy of the current Site development design concept plan, as provided by Brigil, is presented in Appendix B.

This Phase One ESA was commissioned by Mr. Jean-Luc Rivard, Director of Land Development and Infrastructure for Brigil Construction (Brigil), operating as 3223701 Canada Inc. Brigil has a business address of 98 Rue Lois, Gatineau, Quebec, J8Y 3R7 and a business telephone number of 819-243-7392.

3. Scope of Investigation

This Phase One ESA has been completed as per the details of scope presented in Lopers' Letter entitled "Proposal for Phase One Environmental Site Assessment, Proposed Residential Development, 100 Steacie Drive, Ottawa, ON", dated May 20, 2020, reference No. PRO-003-20-Brigil.

The Phase One ESA has been prepared in accordance with the technical requirements and formatting guidance as presented by the Ministry of Environment, Conservation and Parks (MECP) in Ontario Regulation (O.Reg.)153/04, as amended July 1, 2020. This format is based on the provincial regulation for brownfields redevelopment and has been adopted as a standard for the City of Ottawa for development applications.

The scope of work for the Phase One ESA involved the following components:

- Historical Research (Review of available historical reports, public environmental databases, Fire Insurance Plans (FIPs), City Directories, Aerial Photographs, geological mapping and any other relevant environmental records which were readily accessible at the time of the Phase One ESA);
- Requests for Information from the MECP Freedom of Information (FOI), Technical Standards and Safety Authority (TSSA), and City of Ottawa Historical Land Use Inventory (HLUI);
- Subcontracted research of environmental databases through Environmental Risk Information Services (ERIS);
- Property Title Search (available in previous reports and reviewed herein)
- Physical Site inspection
- Interviews with persons knowledgeable about the Property and past uses
- Interpretation of findings
- Preparation of a Phase One ESA report

The specific objectives of the Phase One ESA are to:

- Provide an overview of the Phase One Environmental Site Assessment conducted with respect to the Phase One Property.
- Provide an environmental record of the Phase One Property, in a manner that can be assessed, tested and reconstructed, to document and demonstrate:
  - How the objectives of the Phase One ESA were achieved and how the requirements for the objectives were met;
  - Whether further investigation is required to submit a Record of Site Condition (RSC) for filing;
  - Whether there exists an adequate basis for further investigation; and,
  - The basis for required certifications.

4. Records Review

a) General

i. Phase One Study Area

The Phase One Study Area includes the Phase One Property and properties with the boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

ii. First Developed Use Determination

A land title search was completed by READ Abstracts Limited for the Phase One Property. The title search indicates that the Phase One Property was owned by individuals since from at least 1831 until 1959 when ownership of the Property began to be transferred among limited liability corporations. No developed use was observed in a review of the land title search.

Aerial photographs reviewed from 1976 through 2017 do not show that the Phase One Property occupied for any developed use. No historical records, indicating the potential developed use of the Phase One Property were obtained as part of any of the other historical research completed during this Phase One ESA.

Based on the information reviewed as part of this Phase One ESA, specifically title search and aerial photographs, the Phase One Property has never been developed or occupied for any use and the O.Reg. 153/04 property use classification is considered to be Agricultural or Other Use.

iii. Fire Insurance Plans

Fire insurance plans (FIPs), were reviewed where available, for the City of Ottawa as part of this Phase One ESA.

There was no coverage in the FIPs for the Phase One Property or for properties located in the Phase One Study Area as part of available FIPs.

iv. Chain of Title

A chronological chain of title was prepared by READ Abstracts Limited for the Phase One Property. The chain of title provides the names of historical owners, lessees and dates of ownership for the Phase One Property dating back to 1831. The legal description as obtained from the Chain of Title was Part of Lots 6 and 7, Concession 3, March (now in the City of Ottawa), with a property identifier number of 04511-1631.

Based on additional historical research completed as part of this Phase One ESA and a review of the chain of title, the Phase One Property was agricultural with no developed use prior to 1959. Limited liability land holding corporations were the registered owners of the Phase One Property Phase One Property from 1959 to present, however, no developed uses have been observed at the Property. A chain of title ownership summary was prepared dating back to 1831 and is presented in Table 2 below. A copy of the Chain of Title for the Phase One Property, as prepared by READ Abstracts Limited for the Phase One Property is provided in Appendix C.

Table 2: Chain of Title Ownership Summary

Year(s)	Phase One Property Ownership
1831	Edward Loggan Sr.
1831-1856	Edward Loggan Jr.
1856-1876	John Graham
1876-1890	William Graham
1890-1906	Robert Gow
1906	George A. B. Read
1906-1913	George Mellon
1913-1915	George A. B. Read
1915-1959	Leonard Logan
1959-1962	Shenkman Properties Limited
1962-1971	South March Realties Limited
1971	William Teron Limited
1971-1973	Kanata Developments Limited
1973-1991	Campeau Corporation
1991-2000	Candev Properties Inc.
2000	O & Y Properties Inc.
2000-2007	1202946 Ontario Inc. (Steacie Drive Inc.)
2007-2009	6095186 Canada Inc.
2009-Present	3223701 Canada Inc.

Based on the chain of title ownership summary there are no identifiable Potentially Contaminating Activities (PCAs) known to be associated with the ownership of the Phase One Property.

v. Environmental Reports

Brigil provided the following report for review as part of this Phase One ESA:

"Phase I Environmental Site Assessment, Part Lots 6 and 7, Steacie Drive, City of Kanata, Ontario", dated July 2000, completed by Morey Houle Chevrier Engineering Ltd., for Andridge Capital Corporation.

2000 Phase I Environmental Site Assessment by Morey Houle Chevrier Engineering Ltd. (2000 MHCE Phase I ESA)

The 2000 MHCE Phase I ESA was completed to assess if former operations or practices were present which may present potential environmental risks. Based on a historical review, the Property was historically used for agricultural purposes and had never been developed prior to the time of the 2000 MHCE Phase I ESA. The Property was undeveloped in 2000 and was bordered to the north by the Canadian National (CN) railway line and an existing building; on the south and west by a hydro corridor and soccer field following by residential development and to the east by commercial development and undeveloped land. It was suspected that the building adjacent to the CN railway was used for manufacturing and/or storage purposes.

Surface drainage was towards the northeast and it was inferred that the shallow groundwater flow direction was towards the north.

A limited geotechnical investigation was completed at the Property, which included six test pits was completed by MHCE prior to the 2000 MHCE Phase I ESA and did not identify the presence of any obvious contamination or deleterious fill material, with the exception of trace amounts of asphalt in two of the test pits.

Minor environmental risks to the Property identified by MHCE included:

- Potential use of pesticides at the Property, as part of historical agricultural land use;
- Presence of fill material of unknown environmental quality; and,
- Presence of the adjacent CN railway line.

The 2000 MHCE report concluded that the potential environmental risks associated with the Property were limited to those identified above and that the historical property use of the Property and neighbouring lands was agricultural or recently developed commercial or residential land, which was interpreted to not generally be associated with subsurface contamination. The 2000 MHCE Phase I ESA stated that no further investigation was warranted at the time of its issuance.

The presence of the fill material at the Phase One Property and a railway line, adjacent to the north limit of the Phase One Property are Potentially Contaminating Activities (PCAs) associated with Importation of Fill Material of Unknown Quality and Rail Yards, Tracks and Spurs, respectively. These will be identified as PCA #1 and PCA #2, respectively. Given that it is not

known if the Property was ever actually used for agricultural purposes, which is not suspected based on surface grading and shallow bedrock outcrops, or if pesticides were actively used at the Property, this environmental risk identified by MHCE is not considered to represent a PCA in this report.

Additionally, the following study was completed concurrently with this Phase One ESA:

"Environmental Fill Quality Assessment, 100 Steacie Drive, Ottawa, Ontario", dated September 18, 2020, completed by Lopers & Associates., for 3223701 Canada Inc.

2020 Environmental Fill Quality Assessment by Lopers & Associates (2020 Lopers EFQA)

The 2020 Lopers EFQA was completed to assess the environmental quality of the fill material identified to have been placed at the Phase One Property. Based on a historical review, the Property was graded with potentially imported fill, which is considered a PCA: importation of fill of unknown quality (PCA #1).

A total of 8 test pits were dug at the Phase One Property to provide coverage of the south and east portions of the Property, where the presence of fill was reported or suspected. Five stratigraphic units were observed in the test pits: topsoil was encountered in all of the test pits, underlying the topsoil were silty sand, gravel and cobble fill, No odours, staining or evidence of deleterious fill were observed in this layer; mineral deposits, suspected to consist of muscovite and biotite were observed within the till deposit; it should be noted that these minerals visually resemble the physical properties of weathered asphalt. Native silty clay, glacial till and shallow bedrock were observed below the topsoil and/or fill layers.

Six soil samples, intended to provide environmental characterization of the fill and/or native soil conditions were submitted for laboratory analysis for a combination of petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylenes (BTEXs), polycyclic aromatic hydrocarbons (PAHs), metals and pH. All of the sample results were in compliance with the Site Condition Standards for residential use (Table 9).

Based on the laboratory analytical results from soil samples collected and analyzed to determine the environmental quality of the fill at the Phase One Property, this PCA #1 is not considered to represent an APEC for the Phase One Property.

b) Environmental Source Information

A review of the readily available environmental source information records was completed as part of this Phase One ESA.

As part of environmental source information review, Environmental Risk Information Systems (ERIS) was also contracted to complete a search of their records of environmental data bases within 250 m of the Site. The pertinent search results to this Phase One ESA are presented in the following subsections. A copy of the ERIS database search is included as Appendix D.

National Pollutant Release Inventory

The National Pollutant Release Inventory (NPRI) is a database maintained by Environment and Climate Change Canada (ECCC). Reporting of releases of pollutants into the natural environment are reported annually by corporations and/or their representatives and posted for public record by ECCC. Presently, data is available and posted for the years 1994 through 2017. Eight records were identified at a single neighbouring property within 250 m of the Phase One Property during a review of the posted NPRI data on the ECCC electronic website on July 31, 2020 and the results were confirmed through the subcontracted ERIS search, dated June 15, 2020.

Best Theratronics Ltd., located at 413 March Road, approximately 40 m north of the Property, was listed from 2008 to 2015 with stack/point emissions for releases of Lead and its compounds to air. These emissions are not considered a PCA and do not represent an APEC for the Phase One Property.

Polychlorinated Biphenyl (PCB) Inventories

The MECP, formerly known as the Ministry of Environment and Energy, published the "Ontario Inventory of PCB Storage Sites". The inventory documented the company information, physical address, number of tonnes of liquid PCBs by region. No records were identified within 250 m of the Phase One Property during a review this document and the results were confirmed through the subcontracted ERIS search, dated June 15, 2020.

The ERIS search also reviewed the National PCB Inventory, which details in use PCB containing equipment in federal, provincial and private facilities; this database was last updated in 2008. No records were identified within 250 m of the Phase One Property during a review this database.

Environmental Instruments

Environmental Instruments, such as Environmental Compliance Approvals (ECAs), Certificates of Approval (CAs), Permits to Take Water (PTTWs), Risk Management Plans (RMPs), and Certificates of Property Use (CPUs) are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of any such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental instruments at the Phase One Property, however, one record of a CA and two records of ECAs were identified within 250 m of the Phase One Property. A CA was issued to Optotek Limited at 62 Steacie Drive, located adjacent to the east of the Phase One Property, in January of 1988 for industrial air discharge of halogenated solvents. An ECA was issued to Starbank Developments

401 Corp. at 401 March Road, located approximately 30 m northeast of the Phase One Property, in April of 2015 for industrial sewage works. An ECA was issued to Best Thermostronics Ltd. at 413 March Road, located approximately 40 m north of the Phase One Property, in October of 2015 for air discharge. Although the generation and disposal of halogenated solvents could result in a potential environmental liability, these activities associated with the aforementioned CA and ECAs are not PCAs and do not represent APECs for the Phase One Property. Additionally, the aforementioned activities at this property are located a significant distance and cross/down- gradient with respect to the Phase One Property and are not suspected to contribute to an APEC.

Inventory of Coal Gasification Plants

The document "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. for the Ontario Ministry of the Environment, dated July 1988 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document and the results were confirmed through the subcontracted ERIS search, dated June 15, 2020.

Environmental Records of Incidents, Orders, Offences, Spills, Discharges of Contaminants or Inspections maintained by the Ministry

Environmental records of incidents, orders, offences, spills, discharges of contaminants or inspections are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental records at the Phase One Property; however, one record of a spill was identified within 250 m of the Phase One Property. A spill of transmission oil was recorded at 26 Station Road (inferred actual address 25 Station Road), with property limits approximately 65 m northeast of the Phase One Property and operations at least 150 m northeast, in June of 2014; it is suspected this spill is related to the PCA of "Electricity Generation, Transformation and Power Stations". Given the separation distance of this property and the associated operations with respect to the Phase One Property and the inferred down-gradient orientation, this PCA #3 is not considered to represent an APEC for the Phase One Property.

Waste Management Records

Waste management records, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347 of the Revised Regulations of Ontario, 1990 (General — Waste Management) made under the Act, or its

predecessors are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA, however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental waste generators at the Phase One Property; however, three properties with records of waste generators were identified within 250 m of the Phase One Property.

The following businesses, (Amca International Ltd., Optotek Ltd., Golder Associates Ltd., and Applied Microcircuits Canada) shown to be located adjacent to the east of the Phase One Property were listed as generators of a combination of Waste Compressed Gases, Inorganic Laboratory Chemical, Misc. Wastes and Inorganic Chemicals, Aliphatic Solvents, Aromatic Solvents, Halogenated Solvents, Petroleum Distillates, Emulsified Oils and Waste Oils & Lubricants 1986 to 2017. The operations observed at these facilities was registered to businesses associated with research, electronic parts & computer component manufacturing; these operations are related to the PCA of "Electronic and Computer Equipment Manufacturing". Given associated operations with respect to the Phase One Property and the inferred down- (significantly lower elevation) or cross-gradient orientation and based on the building and general occupancy, this PCA #4 is not considered to represent an APEC for the Phase One Property.

Spar Aerospace, Defence Systems Division and DRS Technologies Canada Company with a property at 365 March Road, with property limits approximately 50 m east of the Phase One Property and operations at least 140 m east of the Phase One Property, was listed as a generator of Acid Waste – Heavy Metals, Aliphatic Solvents, Halogenated Solvents, Paint/Pigment/Coating Residues, Organic Laboratory Chemicals and Waste Oils & Lubricants from 1986 through 2001. The operations observed at these facilities was registered to businesses associated with research, electronic parts & computer component manufacturing; these operations are related to the PCA of "Electronic and Computer Equipment Manufacturing". Given the separation distance of the operations at this property and the nature of associated operations as well as the inferred local down- (significantly lower elevation) or cross-gradient orientation, this PCA #5 is not considered to represent an APEC for the Phase One Property.

Theratronics International Ltd., Best Theratronics Ltd. and Atomic Energy of Canada Ltd. with a property at 413 March Road, with property limits approximately 40 m north of the Phase One Property and operations at least 140 m north of the Phase One Property, was listed as a generator of 25 waste classes from 1986 through 1990, 1992 through 2001 and 2007 through 2019. Among these waste classes were light fuels, petroleum distillates, waste oils & lubricants, etc., which are suspected to be related to the PCA of "Gasoline and Associated Products Storage in Fixed Tanks". Given the separation distance of this property and its associated operations

with respect to the Phase One Property and the inferred down-gradient orientation, this PCA #6 is not considered to represent an APEC for the Phase One Property.

The locations of these PCAs are depicted on Figure 3: Surrounding Land Use and are summarized in Table 5 in Section 7. (b).

MECP Property Specific Reports

Reports submitted to the Ministry related to environmental conditions are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental reports at the Phase One Property, or properties within 250 m of the Phase One Property.

Technical Standards and Safety Authority

Records of retail fuel storage tanks, retail fuel outlets, spills, releases, and other associated information is maintained by the Technical Standards and Safety Authority (TSSA). These records can be obtained upon request from the TSSA. The subcontracted ERIS search also confirms the filing of such records associated with properties.

The TSSA was contacted by email to complete a search of available records associated with the current property address, the known former property address of the former retail fuel outlet and addresses of surrounding properties with historical environmental listings (based on other historical research). The TSSA responses, received on June 12, 2020 and August 12, 2020, respectively, identified the presence of an active gasoline service station and four active underground fuel storage tanks at 401 March Road, which is located approximately 200 m northeast of the Phase One Property; this retail fuel outlet is identified as PCA #7. An additional fuel storage tank was identified at 447 March Road, with property limits located approximately 240 m north of the Phase One Property, which is identified as PCA #8. Both of the aforementioned properties are suspected to be related to PCAs of "Gasoline and Associated Products Storage in Fixed Tanks". Given the separation distances of these properties and their associated operations with respect to the Phase One Property and the inferred down-gradient orientations, these PCA #7 and PCA #8 are not considered to represent APECs for the Phase One Property. Copies of the TSSA responses are included as Appendix F.

The subcontracted ERIS search identified records of 4 fuel storage tanks at 401 March Road, associated with PCA #7. The fuel storage tanks reportedly consist of two 65,000L, one 35,000 L and one 25,000 L double walled fibreglass tanks which are used for storage of gasoline and diesel.

The locations of these PCAs are depicted on Figure 3: Surrounding Land Use and are summarized in Table 5 in Section 7. (b).

Registry Filings

Records of notices and instruments, including records of site condition (RSC), which have been posted in the environmental registry, are maintained by the MECP. These records can be reviewed electronically on the MECP Environmental Site Registry (ESR) website. The subcontracted ERIS search also confirms the filing of such records associated with properties. The website was reviewed for RSCs filed at the Phase One Property and in the Phase One Study Area; no RSCs have been filed for the Phase One Property or for any properties in the Phase One Study Area.

Areas of Natural and Scientific Interest

Records of areas of natural and scientific interest (ANSIs) formerly referred to as areas of natural significance, are maintained by the Ministry of Natural Resources and Forestry (MNRF), and are available for review on the Ontario GeoHub website. The website was reviewed on August 28, 2020 for records of ANSIs in the Phase One Study Area. The South March Highlands, a Provincially significant area of natural scientific interest, was identified with its limits approximately 220 m southwest of the Phase One Property.

Current and Historical Landfills

Records of historical and operating landfills is maintained by the MECP. The document "Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document.

The City of Ottawa contracted Golder Associates Ltd. to conduct an inventory and assessment of former waste disposal sites in within the City of Ottawa. The document "Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario", produced by Golder Associates Ltd., finalized October 2004, was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document.

City of Ottawa Historical Land Use Inventory

The City of Ottawa's Planning, Infrastructure and Economic Development department was contacted to complete a search of the Historical Land Use Inventory (HLUI) maintained by the City. The response, received on June 26, 2020, indicated that the HLUI search did not identify any activities (of environmental significance) at the Phase One Property, however, eight properties were identified with activities (of environmental significance) within the Phase One Study Area. The listed occupants of the associated activities included: Solar Electricity by March Solar, Kanata Hydro-Electric Commission, Theratronics International Limited, MDS Noridon,

Amca International Limited, Optotek Limited, DRS Technologies Canada Company, Reltek Inc., Control Microsystems Inc., Optical Processing and Computing Consortium, Syva, and Control Microsystems Inc. The presence of Kanata Hydro-Electric Commission, identified at 25 Station Road, located with property limits approximately 65 m west-northwest of the Phase One Property, is identified as a PCA #3 associated with Electricity Generation, Transformation and Power Stations; this property and its actual operations are located down-gradient of the Phase One Property and as such this PCA is not considered to represent an APEC for the Property.

None of the additional identified listed 'activities' are PCAs and no APECs were identified for the Phase One Property as part of a review of the HLUI. A copy of the HLUI response letter is included in Appendix G.

c) Physical Setting Sources

i. Aerial Photographs

Aerial Photographs were reviewed for the Phase One Property and Phase One Study Area from available sources as part of the historical review. Aerial photographs were reviewed from historical research previously completed in the Phase One Study Area, Google Earth Aerial Imagery and from the City of Ottawa website. Aerial Photographs were reviewed over the period of 1976 through 2017, which depict development of the Phase One Study Area. A summary of the information gleaned from the aerial photographs is provided below. Copies of the aerial photographs reviewed are provided in Appendix H.

1976 Aerial Photograph

The Phase One Property appears to be undeveloped and unoccupied in the 1976 Aerial Photograph. The south and east portions of the Property appear to have been cleared and have potentially been subject to historical fill placement. The CN railway line is present to the north of the Phase One Property. What appears to be an industrial and/or warehouse building has been constructed on the property to the north of the Phase One Property. What appears to be commercial and industrial land use is present further to the east, north and northwest of the Phase One Property. Lands to the south of the Phase One Property are vacant/undeveloped, followed by residential properties.

1991 Aerial Photograph

Further soil disturbance is apparent on the central/west-south portion of the Phase One Property; this activity is inferred to be associated with grading of land for the present-day parkland and walking trails and residential development at the Properties and adjacent land to the south. The Steacie Drive right-of-way has been constructed to the southeast of the Phase One Property. What appears to be the present-day commercial building has been constructed on the adjacent property to the east. Increased commercial development is apparent further east of the Property. Significant residential development is apparent to the south; primarily consisting of what appear to be single family dwellings.

1999 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

2008 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

2017 Aerial Photograph

No significant changes appear to have been made to the Phase One Property. The property with its property limits located approximately 30 m northeast of the Phase One Property has been developed for what appear to be commercial uses, including the present-day retail fuel outlet, with pump islands located approximate 190 m northeast and USTs located approximately 220 m northeast of the Phase One Property. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

As previously noted, the presence of a retail fuel outlet at the Phase One Property is PCA #7, however, based on the distance and/or orientation of the fuel outlet, this PCA is not considered to present an APEC for the Phase One Property.

ii. Topography, Hydrology, Geology

The Ontario Ministry of Natural Resources and Forestry (MNRF) Make a Topographic Map GIS website was used to produce a topographic map showing the location of the Phase One Property, nearby water bodies and the regional topography of the Phase One Study Area. A copy of the Topographic Map is provided in Appendix I. The regional topography in the Phase One Study Area slopes downward to the north-northeast, toward the Ottawa River. A small creek was identified on the west portion of the Phase One Property; this creek is a tributary Watts Creek, which drains towards Shirley Bay located approximately 3.8 km northeast of the Phase One Property. A tributary Watts Creek, which drains towards Shirley Bay located approximately 3.8 km northeast of the Phase One Property, was identified on the west portion of the Phase One Property. The Ottawa River, including Shirley Bay, as noted above, is located approximately 3.8 km north of the Phase One Property. A surface water body, identified as "Beaver Pond" was identified approximately 375 m south of the Phase One Property.

Information on the regional surficial soil was obtained from the Geological Survey of Canada map 1425A titled Surficial Materials and Terrain features Ottawa Hull. Based on a review of the map, the natural soil conditions in the Phase One Study Area consist of "Bedrock – Intrusive and metamorphic rocks (Precambrian); mainly bare, hummocky, rolling or hilly rock knob upland; includes areas thinly veneered by unconsolidated sediments up to 2 m thick".

Information on the regional bedrock was obtained from the Ontario Geological Survey Map P2716 titled 'Paleozoic Geology Ottawa Area'. Based on a review of the map, the Phase One

Study Area is underlain by the Precambrian Formation, described as "undifferentiated metamorphic and igneous rocks".

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. Based on these records, the general stratigraphy of the Phase One Property and Phase One Study Area consists of topsoil and/or silty sand and gravel fill, followed by silty clay, over silty sand and gravel (Glacial Till) underlain by Granite bedrock.

iii. Fill Materials

The Phase One Property has never been developed; however, it was reported that fill material was historically placed on the east and southeast portions of the Property for grading purposes. The placement of fill in these areas of the Property is considered to represent PCA #1 associated with Importation of Fill Material of Unknown Quality. An Environmental Fill Quality Assessment (as summarized in Section 4.v) was completed concurrently with this Phase One ESA, which confirmed that the fill material is in compliance with the MECP Property Use Standards for the proposed residential use. Given the recent analytical data, the importation of fill to the Phase One Property does not represent an APEC for the Phase One Property.

iv. Water Bodies and Areas of Natural Significance & Ground Water Information

A small creek was identified on the west portion of the Phase One Property; this creek is a tributary Watts Creek, which drains towards Shirley Bay located approximately 3.8 km northeast of the Phase One Property. The Ottawa River, including Shirley Bay, as noted above, is located approximately 3.8 km north of the Phase One Property. A surface water body, identified as “Beaver Pond” was identified approximately 375 m south of the Phase One Property. The South March Highlands wetland, a Provincial area of natural and scientific interest (ANSI or areas of natural significance) was identified with its limits approximately 220 m southwest of the Phase One Property.

The Phase One Property and Study Area are not located in the vicinity of any well-head protection areas or other designation identified by the City of Ottawa in its official plan for the protection of ground water. The Phase One Study Area is serviced by municipally treated drinking water. No private or agricultural water supply wells are located within the Phase One Study Area.

v. Well Records

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. Two monitoring wells were drilled at the Phase One Property as part of a historical geotechnical investigation in 2005. The stratigraphy was reported to consist of topsoil, occasional fill, followed by silty clay. Monitoring wells were installed to approximate depths of 2.5 to 5.8 m below ground surface (m BGS). The approximate depth to bedrock is expected to

range from 0 (bedrock outcrops) to 6 m BGS in the area of the existing monitoring wells at the Phase One Property, with a groundwater table reported at approximately 0.3 to 0.6 m BGS. Based of soil conditions observed during the 2020 Lopers Environmental Fill Quality Assessment, the actual groundwater table is present greater than 1.5 m BGS.

One historic water well was identified approximately 150 m north of the Property. Based on this record, the well was drilled in 1965 and was used for public water supply. The general stratigraphy in the area of the well consisted of the Clay, underlain by granite bedrock. It should be noted that this water well is located at a property that has since been redeveloped. Additionally, the Phase One Study Area is provided with municipally treated non-potable water and as such it is not suspected that this well remains in use.

d) Site Operating Records

The Phase One Property is undeveloped and does not appear to have ever been occupied for any developed use. As such, it is not expected that any operating records exist for the Property.

5. Interviews

A telephone interview was completed on the day of the Site Investigation (August 7, 2020) with Mr. Philip Thibert, Project Manager – Land Development and Infrastructure for Brigil Construction. Mr. Thibert and/or members of Brigil have been familiar with the Phase One Property since 2009 when Brigil purchased the Property. Mr. Thibert stated that the Property has not been occupied for any developed use since Brigil's purchase and was not aware of any historical development at the Property. Mr. Thibert was not aware of any spills or poor environmental management practices associated the Phase One Property.

6. Site Reconnaissance

a) General Requirements

The Phase One Site Investigation was completed on August 7, 2020 between the hours of 3:00 and 5:30 PM. Weather conditions were sunny with clouds with an ambient air temperature of approximately 30 degrees Celsius. The Phase One Property was vacant at the time of the Site Investigation. The Site Investigation was completed by Mr. Luke Lopers, who is a registered Professional Engineer (Environmental) in the province of Ontario and a Qualified Person (QP) for Environmental Site Assessments, and has been conducting Phase I/One Environmental Site Assessments and environmental reconnaissance since 2006.

Photographs were taken of the exterior of the Phase One Property, documenting conditions of the Phase One Property and adjacent lands. A copy of the Photographic Log and written descriptions of the photos are provided in Appendix J.

b) Specific Observations at Phase One Property

The Phase One Property was vacant at the time of the Site Investigation; there were no structures or buildings present. There were no improved (paved) surfaces at the Phase One Property.

There were no above or below ground structures present on the Phase One Property at the time of the Site investigation.

No aboveground storage tanks (ASTs) or visual indications of the presence of underground storage tanks (USTs), such as vent and fill pipes or access hatches, were observed as part of the Site Investigation.

No potable water wells were observed at the Phase One Property during the Site Investigation. The Phase One Property is presently vacant and has not been connected to active services, as such, no potable water connections were observed. A fire hydrant was observed to the south of the east portion of the Property, on the north side of the Steacie Drive right-of-way. No groundwater monitoring wells were observed at the Phase One Property, however, it should be noted that the Property was heavily overgrown with vegetation and mature trees.

The Phase One Property has never been developed with any buildings or structures, as such it is not expected that any former heating or cooling systems were ever present. No drains, pits or sumps were observed as part of the Site Investigation.

There were no septic tanks or leaching beds observed at the Phase One Property as part of the Site Investigation. Given that the Phase One Property has not been developed, it is not expected that any private sewage systems exist.

Approximately 95% of the Phase One Property was covered with trees and overgrown vegetation. The remaining portions of the Phase One Property, are landscaped and contain walking trails on the south and central portions of the Property. A shallow creek, which flows in a northerly direction, is present on the west portion of the Phase One Property. Bedrock outcrops were apparent on the central-east portion of the Phase One Property; this portion of the property is elevated approximately one m with respect to the north portion of the Property and 5 to 6 m above the south property limits.

There were no current or former railway lines, tracks or spurs identified at the Phase One Property. The CN railway line property is present adjacent to the north of the Phase One Property, with the railway located approximately 12 m north of the Phase One Property limits. The presence of railway to the north of the Phase One Property represents PCA #2 and is associated with Rail yards, tracks and spurs; given that this railway is not located on the Phase

One Property and is situated in an inferred down gradient orientation with some separation distance to the railway tracks and ballast, it is not considered to represent an APEC for the Phase One Property.

No surficial staining was observed on the landscaped portions of the Phase One Property during the Site Investigation. No stressed vegetation was observed during a walkover of the vegetated areas of the Property.

The presence of fill material was not apparent during the Site Investigation as the majority of the Property was overgrown with heavy vegetation.

i. Enhanced Investigation Property

The Phase One Property is not currently operating for any industrial use or any of the following commercial uses: as a garage, as a bulk liquid dispensing facility, including a gasoline outlet, or for the operation of dry cleaning equipment. The Phase One Property is hence not an enhanced investigation property.

c) Land Use Observations of the Phase One Study Area

Properties in the Phase One Study Area were reviewed from publicly accessible Rights-of-Way as part of the Site Investigation on August 7, 2020. Uses of these lands were noted and any potential presence of PCAs was also assessed. Neighbouring land uses were recorded as follows:

North: An industrial property with a warehouse/storage building was observed to the north of the central portion of the Phase One Property; based on observations at this property, the current use is suspected to be associated with construction activities. No ASTs or signs of USTs were observed at this property. The CN railway line was observed to the north of the Phase One Property to the east and west of the aforementioned industrial property. An industrial property is located approximately 40 m north of the Phase One Property, with its operations (building) located approximately 140 m north.

Northwest: The March Road Hydro transformer station is present approximately 150 m northwest of the Phase One Property.

Northeast: A commercial property has been developed, with property limits located approximately 30 m northeast of the Phase One Property. Two restaurants and a retail fuel outlet are present at this commercial property. The pump islands and USTs for associated with the retail fuel outlet are located 180 m northeast and 210 m northeast, respectively of the Phase One Property.

East: Commercial properties, occupied generally by commercial offices.

South: Parkland and a hydro-electric transmission corridor followed by residential dwellings.

West: Parkland followed by undeveloped land.

The presence of the CN railway line, identified adjacent to the north of the Phase One Property was identified as PCA #2 associated with Rail Yards, Tracks and Spurs.

The presence of Kanata Hydro-Electric Commission, identified at 25 Station Road, located with property limits approximately 65 m west-northwest of the Phase One Property, was identified as a PCA #3 associated with Electricity Generation, Transformation and Power Stations.

The presence of an active gasoline service station and four active underground fuel storage tanks at was 401 March Road, which is located approximately 200 m northeast of the Phase One Property, respectively; this retail fuel outlet was identified as PCA #7 associated with Gasoline and Associated Products Storage in Fixed Tanks.

Neighbouring land uses are shown on Figure 3: Surrounding Land Use. The aforementioned PCAs at neighbouring properties and their respective operations are located down-gradient and/or at significant distances with respect to the Phase One Property and as such these PCAs are not considered to represent APECs for the Property. The current uses of the neighbouring properties are not considered to represent any APECs for the Phase One Property.

7. Review and Evaluation of Information

a) Current and Past Land Use

The current and past land use of the Phase One Property, dating back to the first developed use, is provided in Table 3 below.

Table 3: Current and Past Land Use

Year	Name of Owner	Description of Property Use	Property Use	Other observations from historical sources
1831-1959	Individuals	Unknown	Agricultural or other use	Property owned by individuals. Historical reports indicate Property was always undeveloped.
1959-1973	Various Limited Liability Land Holding Corporations	Portions of the Phase One Property (east and south) suspected to have been subject to historical fill placement / grading activities.	Agricultural or other use	Observations from 1976 aerial photograph shows historical soil disturbance and fill placement noted in historical reports by others.
1973-2009	Various Limited Liability Land Holding Corporations	Undeveloped / unoccupied	Agricultural or other use	Observations from 1991 to 2009 aerial photographs do not show any indication of occupancy or use of the Phase One Property.
2009-Present	3223701 Canada Inc.	Undeveloped / unoccupied	Agricultural or other use	Observations from 2011 to 2017 aerial photographs do not show any indication of occupancy or use of the Phase One Property. 2020 Site inspection confirms undeveloped state of the Phase One Property.

b) Potentially Contaminating Activity

Two Potentially Contaminating Activities were identified at the Phase One Property and are summarized in Table 4 below.

Table 4: Potentially Contaminating Activities at the Phase One Property

PCA Report Reference No.	Potentially Contaminating Activity	Location
1	Fill placement during historical grading activities (O.Reg. 153/04 PCA Item 30: Importation of Fill Material of Unknown Quality)	South and east portions of the Phase One Property

Additionally, seven PCAs were identified at neighbouring properties in the Phase One Study Area and are summarized in Table 5 below.

Table 5: Potentially Contaminating Activities in the Phase One Study Area

PCA Report Reference No.	Potentially Contaminating Activity	Location
2	CN Railway Line (O.Reg. 153/04 PCA Item 46: Rail Yards, Tracks and Spurs)	Adjacent to the north of the Phase One Property
3	Electricity Transformer Station (O.Reg. 153/04 PCA Item 18: Electricity Generation, Transformation and Power Stations)	25 Station Road – Property limits 65 m west-northwest of the Phase One Property, operations 150 m northwest.
4	Electronic parts & computer component manufacturing were identified at 62 Steacie Drive (O.Reg. 153/04 PCA Item 19: Electronic and Computer Equipment Manufacturing)	62 Steacie Drive - Adjacent to the east of the Phase One Property.
5	Electronic parts & computer component manufacturing were identified at 365 March Road. (O.Reg. 153/04 PCA Item 19: Electronic and Computer Equipment Manufacturing)	365 March Road - Property limits 50 m northeast of the Phase One Property, operations 140 m northeast.
6	Fuel Storage Tank(s) (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	413 March Road - Property limits 40 m north of the Phase One Property, operations 140 m north.
7	Fuel Storage Tank(s) (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	401 March Road - Property limits 30 m northeast of the Phase One Property, operations 190 m northeast
8	Fuel Storage Tank(s) (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	447 March Road - Property limits 240 m north of the Phase One Property

c) Areas of Potential Environmental Concern

The potential historic importation and placement of fill material of unknown quality was identified at the Phase One Property. Based on the laboratory analytical results from soil samples collected and analyzed to determine the environmental quality of the fill at the Property as part of a concurrent investigation, this PCA #1 is not considered to represent an APEC for the Phase One Property.

The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

d) Phase One Conceptual Site Model

Three Figures are provided to visually depict the Conceptual Site Model. Figure 1: Key Plan shows the location of the Phase One Property within the City of Ottawa. Figure 2: Site Plan depicts environmentally significant features at the Phase One Property; this figure is provided with an overlay of the 2017 aerial imagery, which depicts the current general conditions of the Phase One Property. Figure 3: Surrounding Land Use shows the current uses of properties in the Phase One Study Area, location of PCAs at the Property and neighbouring lands; this figure is provided with an overlay of the 2017 aerial imagery.

The Phase One Property is located at Civic No. 100 Steacie Drive, Ottawa, Ontario and has an approximate area of 2.2 Hectares.

Based on the information reviewed as part of this Phase One ESA, specifically title search and aerial photographs, the Phase One Property has never been developed or occupied for any use and the O.Reg. 153/04 property use classification is considered to be Agricultural or Other Use.

The Property is currently vacant, is zoned business park industrial. 3223701 Canada Inc. purchased the Property in 2009, and it is understood that the intended future use is for residential purposes. The Phase One Property is immediately surrounded by a municipal Right-of-Way and commercial businesses to the east, parkland followed by residential properties to the south, an industrial storage building and railway line to the north and undeveloped land to the west.

The Phase One Study Area includes the Phase One Property and properties with the boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

A small creek was identified on the west portion of the Phase One Property; this creek is a tributary Watts Creek, which drains towards Shirley Bay located approximately 3.8 km northeast

of the Phase One Property. The Ottawa River, including Shirley Bay, as noted above, is located approximately 3.8 km north of the Phase One Property. The South March Highlands, a Provincially significant area of natural scientific interest, was identified with its limits approximately 220 m southwest of the Phase One Property. No drinking water wells are located at the Phase One Property and the Phase One Study Area is serviced by municipally treated non-potable water. The regional topography in the Phase One Study Area slopes downward to the north-northeast, toward the Ottawa River.

Based on the historical research, the general stratigraphy of the Phase One Property and Phase One Study Area consists of topsoil, occasional fill, followed by silty clay. Overburden soils are expected to be up to 2 m thick and underlain by Granite bedrock. Groundwater is expected at a depth of approximately 2 m BGS and flow in a predominantly northern direction.

The potential historic importation and placement of fill material of unknown quality was identified at the Phase One Property. Based on the laboratory analytical results from soil samples collected and analyzed to determine the environmental quality of the fill at the Property as part of a concurrent investigation, this PCA is not considered to represent an APEC for the Phase One Property.

Seven additional PCAs at neighbouring properties in the Phase One Study Area were identified as part of this Phase One ESA. Neighbouring property PCAs consist of a railway, an electricity transformer station, fuel storage tanks and electronics & computer manufacturing. The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

Based on underground utility locates completed as part of a concurrent investigation, a 750 mm concrete sewer is present along the central portion of the Property which is oriented in a southwest to northeast direction and a 152 cast iron watermain is present on the east portion of the Property oriented in a northwest to southeast direction. Given that the Property is undeveloped, additional underground utility service trenches are not suspected to be present at the Phase One Property. The existing underground utility corridors are not suspected to have the potential to affect contaminant distribution and transport, given that no APECs or contaminants of concern were identified as part of the Phase One ESA.

Any uncertainty or absence of information obtained in the components of this Phase One ESA are not expected to affect the validity of the conceptual site model.

8. Conclusions

i. Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

The potential historic importation and placement of fill material of unknown quality was identified at the Phase One Property. Based on the laboratory analytical results from soil samples collected and analyzed to determine the environmental quality of the fill at the Property as part of a concurrent investigation, this PCA is not considered to represent an APEC for the Phase One Property.

Seven additional PCAs at neighbouring properties in the Phase One Study Area were identified as part of this Phase One ESA. Neighbouring property PCAs consist of a railway, an electricity transformer station, fuel storage tanks and electronics & computer manufacturing. The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

Given that there were no APECs identified at the Phase One Property, and that an existing PCA (importation of fill) was previously assessment, a Phase Two Environmental Site Assessment is not required for the Phase One Property.

ii. Record of Site Condition Based on Phase One Environmental Site Assessment Alone

Given that there were no APECs identified at the Phase One Property, a Phase Two Environmental Site Assessment is not required before a record of site condition (RSC) may be submitted with respect to all or part of the Phase One Property.

iii. Signatures

The Qualified Person for this study is Mr. Luke Lopers, P. Eng. Mr. Lopers is a Professional Engineer registered in Ontario since 2012 and has been working on environmental site assessments since 2006. Mr. Lopers has been an author, project manager and/or peer reviewer for hundreds of Phase One ESAs and Phase Two ESAs as well as previously filed RSCs

The reviewer for this study is Mr. Don Plenderleith, P.Eng. Mr. Plenderleith is a Professional Engineer registered in Ontario since 1994 and has authored and/or reviewed hundreds of Phase One and Two ESAs in Ontario and the rest of Canada. The qualifications of the assessor/Qualified Person and reviewer are included in Appendix K.

Sincerely,

Luke Lopers, P.Eng., QP_{ESA}

Don Plenderleith, P.Eng., QP_{ESA}

LICENSED PROFESSIONAL ENGINEER
L. A. LOPERS
100176730
LOP20-003A
September 25, 2020
PROVINCE OF ONTARIO

iv. Limitations

The findings and conclusions of this Phase One ESA are based on the information provided and/or reviewed as part of this study.

This Phase One ESA has been completed with the standard of care generally expected in the industry for a study of this nature.

This Phase One ESA has been prepared for the sole use of 3223701 Canada Inc. for the purposes of a due diligence assessment of the potential liabilities which may exist at the Phase One Property. No other party is permitted to rely on the conclusions or findings of this report without the written consent of Lopers & Associates and 3223701 Canada Inc.

There were no portions of the Phase One Property which were inaccessible, or components of this ESA where insufficient information was available to complete the interpretation.

Changes to the physical setting of the Phase One Property, Phase One Study Area and applicable regulations governing Phase One Environmental Site Assessments have the potential to influence the validity of the conclusions and opinions presented in this Phase One ESA.

9. References

Legal Survey Plan, Farley, Smith & Denis Surveying Ltd., dated August 1, 2006.

City of Ottawa, geoOttawa mapping website, Visited July through August, 2020. http://maps.ottawa.ca/geoottawa/

City of Ottawa, Development Applications website, Visited August 6, 2020. http://ottwatch.ca/devapps?since=999

Google Earth, Visited July through August, 2020.

Current Development Design Concept Plan, Brigil, dated June 30, 2020.

"Phase I Environmental Site Assessment, Part Lots 6 and 7, Steacie Drive, City of Kanata, Ontario", dated July 2000, completed by Morey Houle Chevrier Engineering Ltd., for Andridge Capital Corporation.

National Pollutant Release Inventory – Environmental Climate Change Canada online website, visited August 6, 2020. https://www.canada.ca/en/services/environment/pollution-waste-management/national-pollutant-release-inventory.html

"Ontario Inventory of PCB Storage Sites", Ministry of Environment and Energy, dated January 1993.

"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. For the Ontario Ministry of the Environment, dated July 1988.

"Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991.

"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. For the Ontario Ministry of the Environment, dated July 1988.

"Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario", produced by Golder Associates Ltd., Dated October 2004.

Ministry of Environment, Conservation and Parks, Environmental Site Registry website, Visited August 6, 2020. https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDetail?submissionId=226318

Ministry of Natural Resources and Forestry, Ontario GeoHub website, Visited August 28, 2020. https://geohub.lio.gov.on.ca/datasets/b88037cdb71e4daf9445afa6fb999194_3?geometry=-75.924%2C45.334%2C-75.904%2C45.336&selectedAttribute=ANSI_SIGNIFICANCE

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Map 1425A titled "Surficial Materials and Terrain features Ottawa Hull", Geological Survey of Canada, F.S. Yeager, L.A. Daley, dated 1974.

Map P2716 titled "Paleozoic Geology Ottawa Area", Ontario Geological Survey, Wolf, R.R., Williams, D.A., Rae, A.M., dated 1984.

Ministry of Environment, Conservation and Parks, Water Well Records database website, Visited August 28, 2020. https://www.ontario.ca/environment-and-energy/map-well-records

1. Appendices

Appendix A – Legal Survey Plan

Appendix B – Current Proposed Design Concept Plan

Appendix C – Environmental Chain of Title prepared by READ Abstracts Limtied

Appendix D – Environmental Risk Information Systems (ERIS) database Search

Appendix E – Ministry of Environment, Conservation and Parks Freedom of Information (FOI) Request

Appendix F – Technical Standards and Safety Association Correspondence

Appendix G – City of Ottawa Historic Land Use Inventory (HLUI)

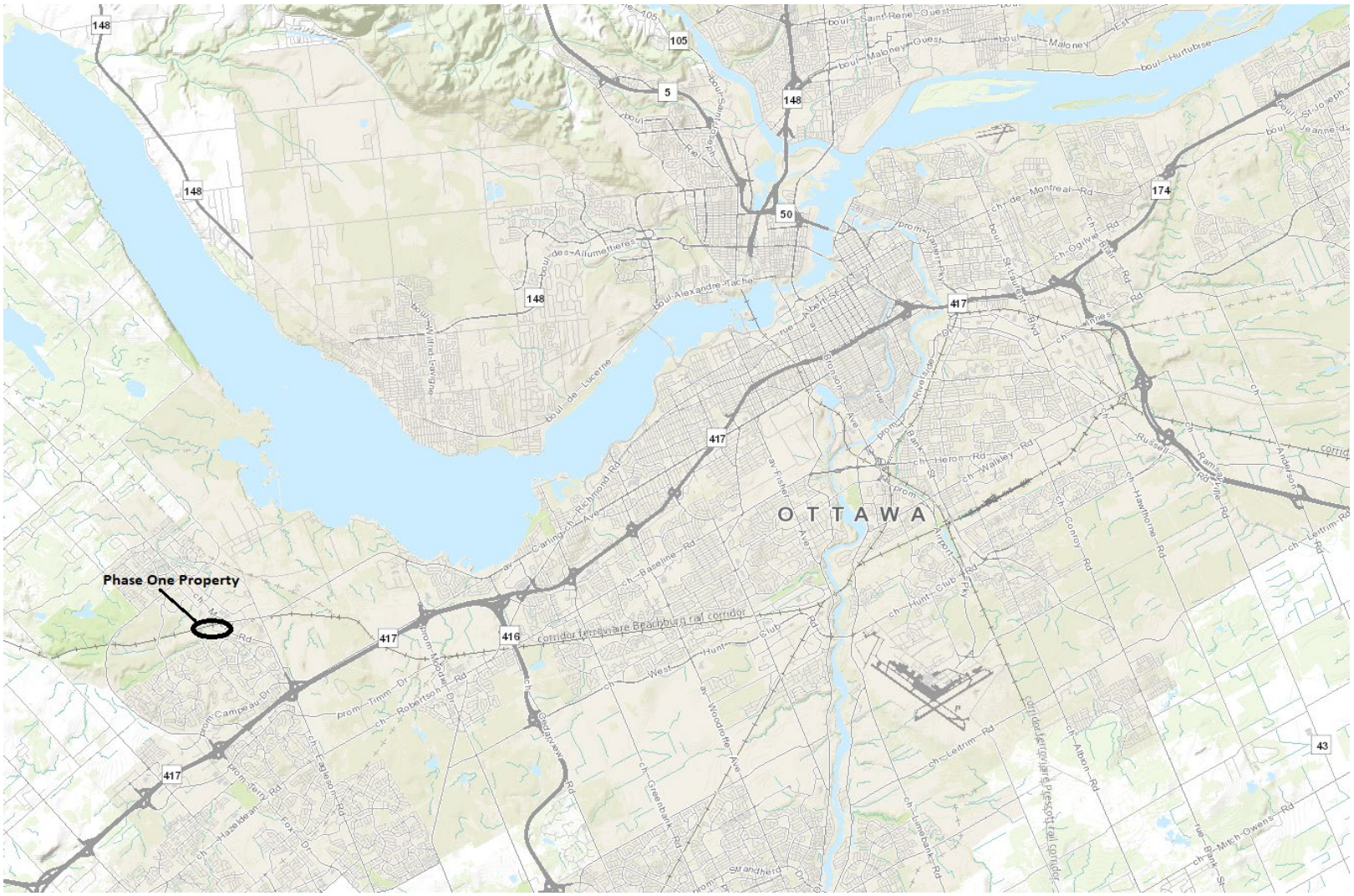
Appendix H – Aerial Photographs

Appendix I – Topographic Map

Appendix J – Photographic Log

Appendix K – Qualifications of Assessors

Figures



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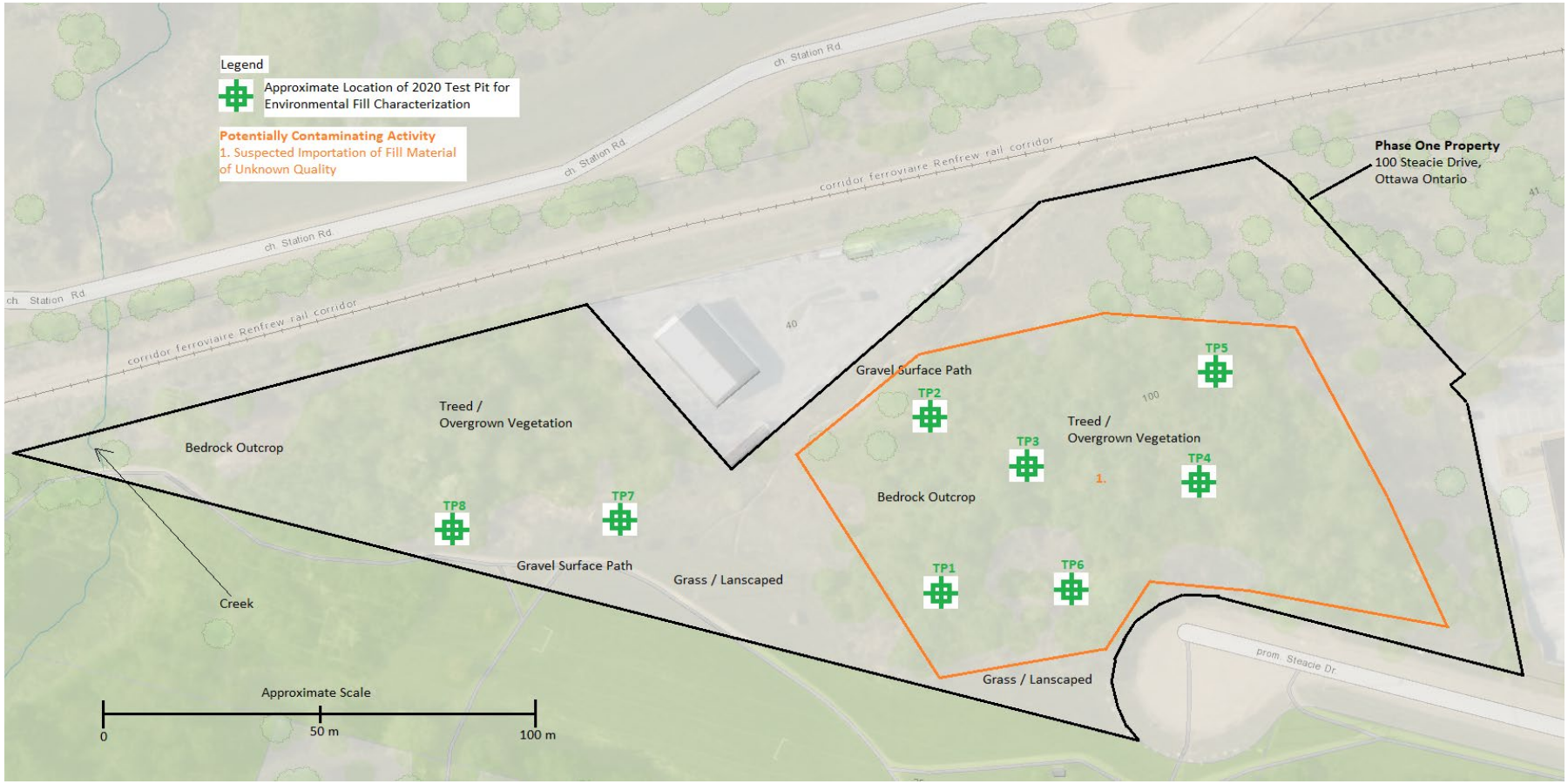
LOPERS & ASSOCIATES

Figure 1: Key Plan
Phase One Environmental Site Assessment
100 Steacie Drive, Ottawa, Ontario
3223701 Canada Inc.

Project Reference No:	LOP20-003A
Drawing No.:	LOP20-003A-1
Date:	September 18, 2020
Author:	L. Lopers
Source:	geoOttawa, Base Mapping



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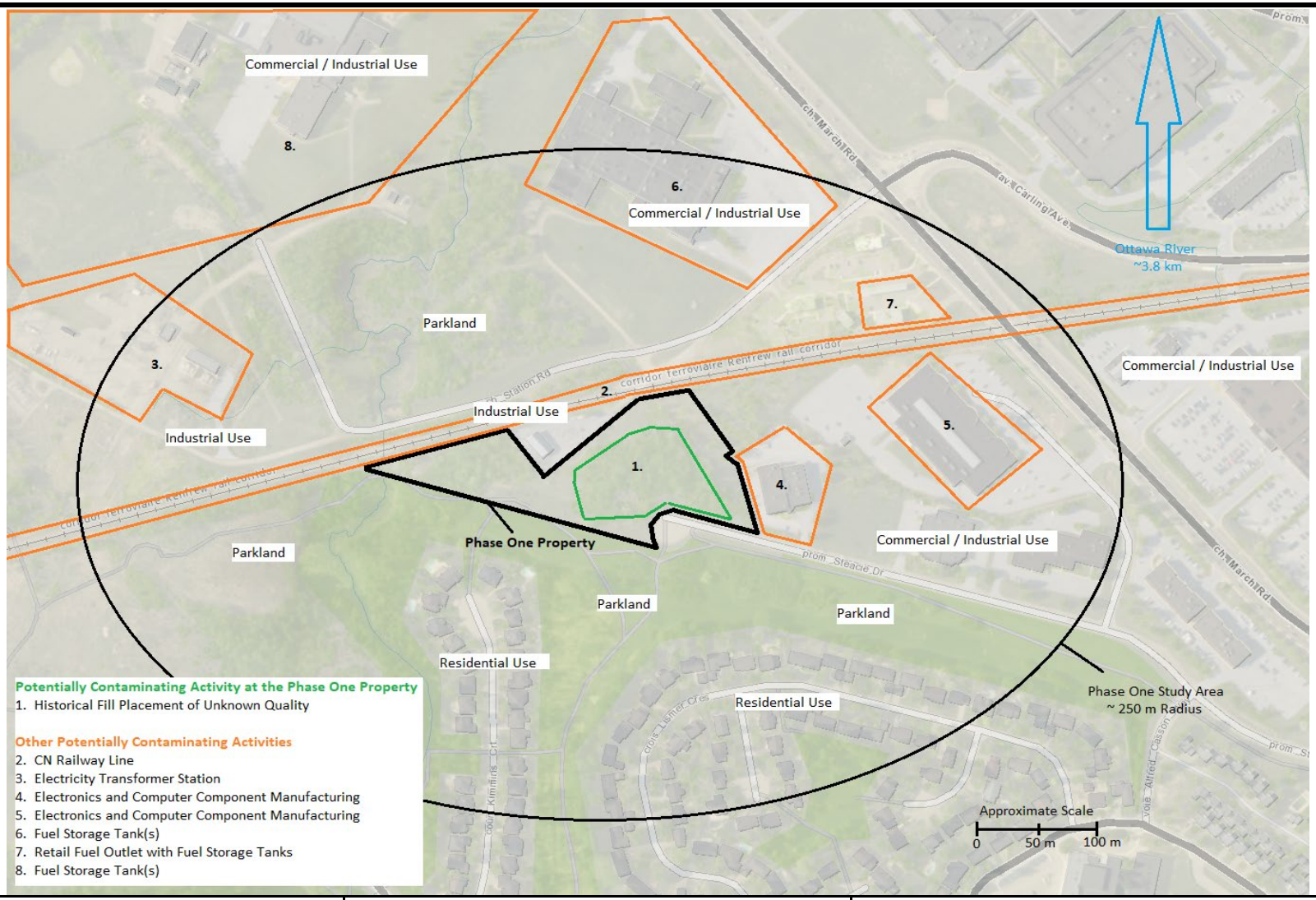
LOPERS & ASSOCIATES

Figure 2: Site Plan
Phase One Environmental Site Assessment
100 Steacie Drive, Ottawa, Ontario
3223701 Canada Inc.

Project Reference No:	LOP20-003A
Drawing No.:	LOP20-003A-2
Date:	September 18, 2020
Author:	L. Lopers
Source:	geoOttawa, 2017 Aerial Imagery



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LOPERS & ASSOCIATES

Figure 3: Surronding Land Use
Phase One Environmental Site Assessment
100 Steacie Drive, Ottawa, Ontario
3227301 Canada Inc.

Project Reference No:	LOP20-003A
Drawing No.:	LOP20-003A-3
Date:	September 18, 2020
Author:	L. Lopers
Source:	geoOttawa, 2017 Aerial Imagery

Appendix A

Legal Survey Plan

PLAN OF SURVEY OF

PART OF LOTS 6 AND 7
CONCESSION 3
Geographic TOWNSHIP OF MARCH
CITY OF OTTAWA

FARLEY SMITH & DENIS SURVEYING LTD

2006

SCALE 1:500

0 5 10 15 20 25 30 35 40 45 50 metres

METRIC NOTE

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

BEARING NOTE

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE NORTHERLY LIMIT OF PART 4, PLAN 5R–5507, BEING N75°08'00"W.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE ...10th..DAY OF .....APRIL.....2006

DATE ....APRIL 11,.....2006

PETER G. SMITH
ONTARIO LAND SURVEYOR

NOTICE OF APPLICATION ..... OC 593111

SCHEDULE

PART	LOT	CONCESSION	P.I.N.
1,2,3,4,5,8&9	PART OF LOT 6	3	ALL OF
6,7&10	PART OF LOT 7		04511–0007

PART 2– SUBJECT TO EASEMENTS PER INST.No.NS111576 & NS132710
PART 3– SUBJECT TO EASEMENTS PER INST.No.NS152217 & NS152218
PART 4– SUBJECT TO EASEMENTS PER INST.No.NS111576, NS132710, NS152217 & NS152218
PART 5– SUBJECT TO EASEMENT PER INST.No.N361538(1082901)
PART 7&10– SUBJECT TO EASEMENT PER INST.No.MH3526
PART 8– SUBJECT TO EASEMENTS PER INST.No.N361538(1082901)&MH3598
PART 9– SUBJECT TO EASEMENT PER INST.No.MH3598

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE .....APRIL 11,.....2006

PETER G. SMITH
ONTARIO LAND SURVEYOR

PLAN 4R– 21324

RECEIVED AND DEPOSITED

DATE ..Aug. 1.....2006

"F. Lamont" Asst. Dep.

LAND REGISTRAR FOR THE LAND TITLES DIVISION OF OTTAWA–CARLETON No.4

DETAIL # 3
NOT TO SCALE

DETAIL # 4
NOT TO SCALE

DETAIL # 5
NOT TO SCALE

DETAIL # 1
NOT TO SCALE

DETAIL # 2
NOT TO SCALE

LEGEND

■	SURVEY MONUMENT FOUND
□	SURVEY MONUMENT SET
SIB	STANDARD IRON BAR
SSIB	SHORT STANDARD IRON BAR
IB	IRON BAR
ø	ROUND
CC	CUT CROSS
WIT	WITNESS
x—x—x	FENCE
OU	ORIGIN UNKNOWN
647, HRF	H.R.FARLEY O.L.S.
1319/WS	WEBSTER&SIMMONDS SURVEYING LTD. OCT.7,1991
1287/FSD	FARLEY,SMITH&DENIS SURVEYING LTD. JUNE 18,2004
P1	PLAN 5R–5507
P2	PLAN CTA 941
P3	PLAN 5R–10081
P4	PLAN 5R–6480
P5	PLAN 5R–13276
P6	PLAN 4R–17989
P7	PLAN 4R–20982
UP	UTILITY POLE
Comp.	COMPUTED

FARLEY, SMITH & DENIS SURVEYING LTD.
ONTARIO LAND SURVEYORS
CANADA LANDS SURVEYORS
190 COLONNADE ROAD, OTTAWA, ONTARIO K2E 7J5 TEL.(613)727–8226 FAX.(613)727–1823

FILE No. J1126–F17
J1126LT.DWG

F:\My_Files\JOBS2006\WORK\MYLAR-TO-RO\J1126LT.DWG, 29/06/2006 12:40:18 PM

Appendix B

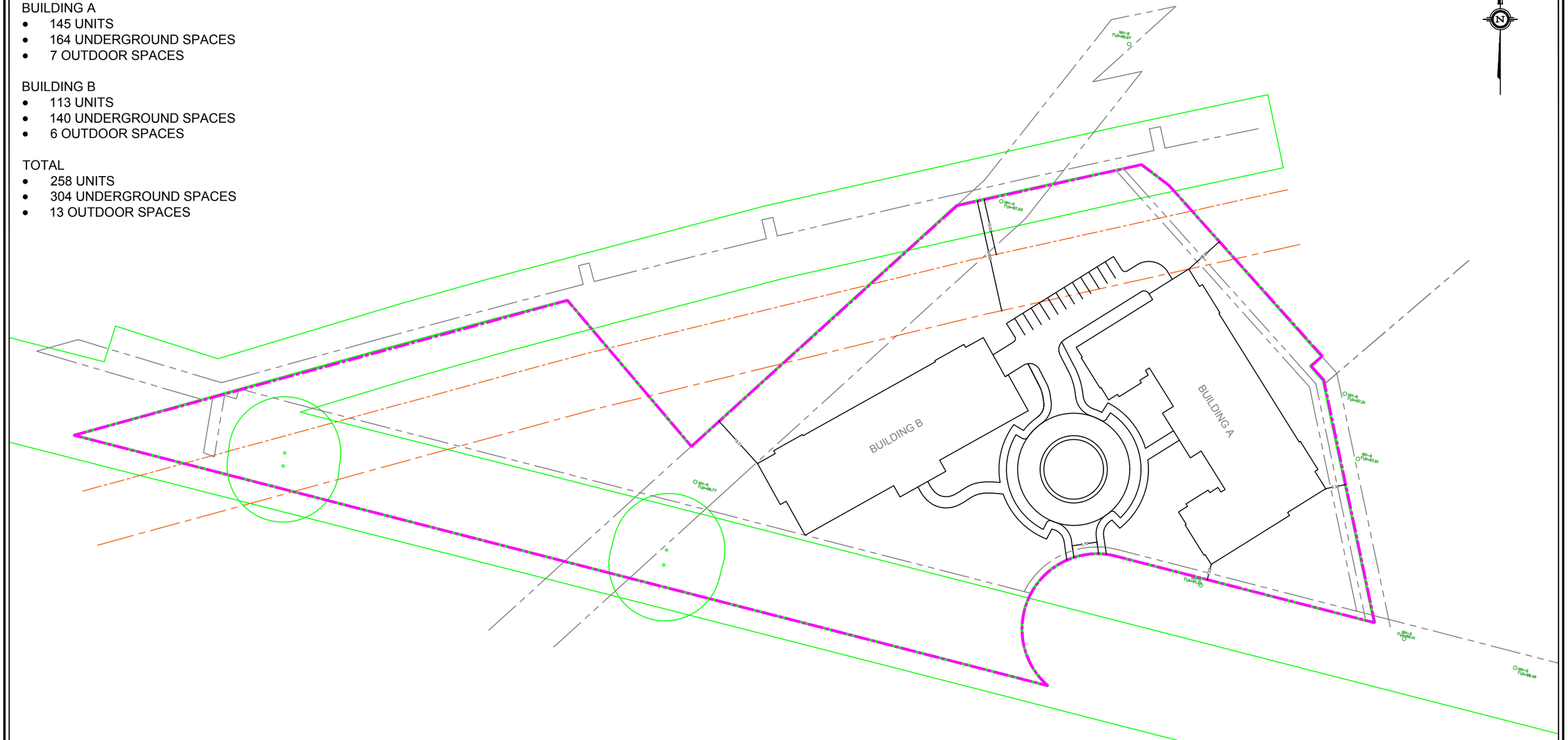
Current Proposed Design Concept Plan

SITE STATISTICS

BUILDING A
- 145 UNITS
- 164 UNDERGROUND SPACES
- 7 OUTDOOR SPACES

BUILDING B
- 113 UNITS
- 140 UNDERGROUND SPACES
- 6 OUTDOOR SPACES

TOTAL
- 258 UNITS
- 304 UNDERGROUND SPACES
- 13 OUTDOOR SPACES



STEACIE DRIVE

100 STEACIE DRIVE
OTTAWA, ON.

CONCEPT 1

2020-06-30

1:1000

BRIGIL

"Proud to build a better quality of life"

Appendix C

Chain of Title

READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

Lopers & Associates
Attn: Luke Lopers

BRIEF DESCRIPTION OF LAND:

100 Steacie Dr., Ottawa
Part of Lots 6 and 7, Concession 3 March

PIN: 04511-1631

LAST REGISTERED OWNER: 3223701 Canada Inc.

CHAIN OF TITLE:

See attached chain for prior title.

Deed N595385 registered Oct 21, 1991
From Campeau Corporation to Camdev Properties Inc.

Deed LT1320537 registered Sep 15, 2000
From O & Y Properties Inc. to 1202946 Ontario Inc.

1202946 Ontario Inc. changed it's name to Steacie Drive Inc.

Deed OC777963 registered Sep 27, 2007
From Steacie Drive Inc. to 6095186 Canada Inc.

Name Change OC1020816 registered Aug 25, 2009
From 6095186 Canada inc. to 3223701 Canada Inc.

attn: Craig Houle

ENVIRONMENTAL SEARCH Re: Steacie Drive property

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	No Date	Crown	Edward Taggan (1 of 6)
R0429	Deed	Mar 22 1831	Edward Taggan Sr.	Edward Taggan Jr.
R05461	Deed	Mar 23 1856	Edward Taggan Jr.	John Graham
MH296	Will	Feb 2 1876	John Graham	William Graham
MH944	Deed	Feb 28 1890	William Graham	Robert Gow
MH1856	Deed	Aug 8 1906	Robert Gow	George A.B. Read
MH1860	Deed	Aug 20 1906	George A.B. Read	George Mellon
MH2315	Deed	Jan 24 1913	George Mellon	George A.B. Read

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
MH2444	Deed	Feb 16 1915	George G.B. Read	Leonard L. Logan
MH4500	Deed	Dec 18 1959	Leonard Logan	Shenkman Properties Limited
MH4821	Deed	Jan 4 1962	Shenkman Properties Limited	South March Realties Limited (all)
CR599488	Articles of Amendment	Oct 4 1971	South March Realties Limited	William Teron Limited
CR599487	Articles of Amendment	Oct 4 1971	William Teron Limited	Kanata Developments Limited
CR[redacted] 640744	Articles of Amalgamation	Oct 4 1973	Kanata Developments Limited	Campeau Corporation
N595385	Deed	Oct 21 1991	Campeau Corporation	Camden Properties Inc. (Current owner)

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	No Date	Crown	Edward Joggan (Lot 7)
R03270	Will	Feb 26 1847	Edward Joggan	Mary Ann Joggan
R025732	Deed	Nov 29 1865	Estate of Mary Ann Joggan	Jane Duncan
MH 646	Deed	June 2 1883	Jane Duncan	Alexander Bow
MH 866	Deed	May 26 1888	Alexander Bow	George Bow
MH 3121	Quit Claim Deed	May 7 1928	Estate of George Bow	Robert Bow
MH 3407	Tax Deed	Oct 27 1936	County of Carleton (Unpaid taxes)	Clarence C. Baker Clarence C. Gibson
MH 3599	Deed	June 3 1944	Clarence C. Baker Clarence C. Gibson	Robert J. Bow

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
MH 4498	Deed	Dec 18 1959	Robert J. Gow	Shenkman Properties Limited
* See instrument numbers CR599488 to NS95385 inclusive for the subsequent chain of title.				
Legal description is Part of Lots 6 & 7, Concession 3, Geographic Township of March, now in the City of Kanata, designated as Parts 1, 13, 17, 16 & 17 on Plan 4R-5507, save & except parts 2, 3 & 5 on Plan 5R-6480.				
			July 10/00	

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

PROPERTY DESCRIPTION: PART OF LOTS 6 AND 7, CONCESSION 3, BEING PARTS 1, 2, 3, 4, 5, 6, 7, 8, 9 AND 10 ON PLAN 4R21324, FORMERLY MARCH, NOW OTTAWA. SUBJECT TO AN EASEMENT IN FAVOUR OF THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO OVER PARTS 7 AND 10 ON PLAN 4R21324, AS IN MH3526. SUBJECT TO AN EASEMENT IN FAVOUR OF THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO OVER PARTS 8 AND 9 ON PLAN 4R21324, AS IN MH3598. SUBJECT TO AN EASEMENT IN FAVOUR OF THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON OVER PARTS 2 AND 4 ON PLAN 4R21324, AS IN NS111576. SUBJECT TO AN EASEMENT IN FAVOUR OF THE CORPORATION OF THE CITY OF KANATA OVER PARTS 2 AND 4 ON PLAN 4R21324, AS IN NS132710. SUBJECT TO AN EASEMENT IN FAVOUR OF THE BELL TELEPHONE COMPANY OF CANADA AND OTTAWA CABLEVISION LIMITED OVER PARTS 3 AND 4 ON PLAN 4R21324, AS IN NS152217. SUBJECT TO AN EASEMENT IN FAVOUR OF KANATA HYDRO-ELECTRIC COMMISSION OVER PARTS 3 AND 4 ON PLAN 4R21324, AS IN NS152218. SUBJECT TO AN EASEMENT IN FAVOUR OF THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON OVER PARTS 5 AND 8 ON PLAN 4R21324, AS IN N361538 (TRANSFERRED BY LT1082901).

PROPERTY REMARKS: FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS 2006/08/01.

ESTATE/QUALIFIER:
FEE SIMPLE
LT ABSOLUTE PLUS

RECENTLY:
RE-ENTRY FROM 04511-0007

PIN CREATION DATE:
2006/08/02

OWNERS' NAMES
3223701 CANADA INC.

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2006/08/02 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
MH3526	1942/02/02	TRANSFER EASEMENT	$104	BAKER, CLARENCE C. GIBSON, CLARENCE C.	THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO	C
MH3598	1944/05/26	CERTIFICATE		*** DELETED AGAINST THIS PROPERTY ***	HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO	
	REMARKS: EASEMENT, SEE LT286212					
MH4948	1963/02/12	AGR SUBDIVISION			THE CORPORATION OF THE TOWNSHIP OF MARCH	C
	REMARKS: LT92078 LT278669					
NS109190	1981/01/30	AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
NS111576	1981/03/06	TRANSFER EASEMENT	$1		THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
NS132710	1981/10/05	TRANSFER EASEMENT	$2		THE CORPORATION OF THE CITY OF KANATA	C
NS140350	1982/01/08	AGREEMENT			THE CORPORATION OF THE CITY OF KANATA	C
	REMARKS: MULTI					
NS152217	1982/06/02	TRANSFER EASEMENT			THE BELL TELEPHONE CO. OF CANADA OTTAWA CABLEVISION LIMITED	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.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
NS152218	1982/06/02	TRANSFER EASEMENT	$1		KANATA HYDRO-ELECTRIC COMMISSION	C
N361538	1986/10/29	TRANSFER EASEMENT	$2		THE CORPORATION OF THE CITY OF KANATA	C
	CORRECTIONS: 'TRANSFEREE: THE CITY OF KANATA' DELETED ON 2006/06/28 BY FRANCES LAMONT. 'TRANSFEREE: THE CORPORATION OF THE CITY OF KANATA' ADDED ON 2006/06/28 BY FRANCES LAMONT.					
LT1082901	1997/10/22	TRANSFER EASEMENT		THE CORPORATION OF THE CITY OF KANATA	THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
	REMARKS: N361538, N364311, LT478822, LT599218, LT646448.					
LT1320537	2000/09/15	TRANSFER		*** COMPLETELY DELETED *** O & Y PROPERTIES INC	1202946 ONTARIO INC.	
	CORRECTIONS: 'TRANSFEREE' CHANGED FROM '1202946 ONTARIO INC' TO '1202946 ONTARIO INC.' ON 2006/07/07 BY FRANCES LAMONT.					
4R21324	2006/08/01	PLAN REFERENCE				C
OC622979	2006/08/01	APL ABSOLUTE TITLE		*** COMPLETELY DELETED *** STEACIE DRIVE INC.	STEACIE DRIVE INC.	
	REMARKS: OC593111					
OC777963	2007/09/27	TRANSFER	$1,500,000	STEACIE DRIVE INC.	6095186 CANADA INC.	C
OC777964	2007/09/27	CHARGE		*** COMPLETELY DELETED *** 6095186 CANADA INC.	STEACIE DRIVE INC.	
OC1020816	2009/08/25	APL CH NAME OWNER		6095186 CANADA INC.	3223701 CANADA INC.	C
OC1047443	2009/11/03	NOTICE		*** COMPLETELY DELETED *** 3223701 CANADA INC.	STEACIE DRIVE INC.	
	REMARKS: OC777964					
OC1155363	2010/09/01	DISCH OF CHARGE		*** COMPLETELY DELETED *** STEACIE DRIVE INC.		
	REMARKS: OC777964.					

Appendix D

Environmental Risk Information Systems (ERIS) database Search

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase One Environmental Site Assessment* *100 Steacie Drive* *Kanata ON K2K 2A9*
Project No:	*LOP20-003*
Report Type:	*Standard Report*
Order No:	*20200610238*
Requested by:	*Lopers & Associates*
Date Completed:	*June 15, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase One Environmental Site Assessment* *100 Steacie Drive Kanata ON K2K 2A9*
Project No:	*LOP20-003*

Coordinates:

Latitude:	*45.3364089*
Longitude:	*-75.9147928*
UTM Northing:	*5,020,729.26*
UTM Easting:	*428,323.52*
UTM Zone:	*18T*

Elevation:	*295 FT* *89.91 M*

Order Information:

Order No:	*20200610238*
Date Requested:	*June 10, 2020*
Requested by:	*Lopers & Associates*
Report Type:	*Standard Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
City Directory Search	*CD - Subject Site plus 250m Radius*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	1
CA	Certificates of Approval	Y	0	1	1
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	9	10
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	4	4
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	35	35
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
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	8	8
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	0	6	6
SPL	Ontario Spills	Y	0	1	1
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	1	1
	Total:		1	69	70

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
2	EHS		100 Steacie Dr Ottawa ON K2K2A9	WSW/27.8	0.00	24

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		100 Steacie Drive Ottawa ON Kanata ON K2K 2A9	SE/8.1	0.00	24
3	WWIS		lot 7 con 3 ON ***Well ID:*** 1503342	NNW/144.3	-2.03	24
4	SPL		26 Station Road Ottawa ON	NE/157.0	-2.34	27
5	CA	OPTOTEK LIMITED	62 STEACIE DR. LOT 6 CONC. 3 KANATA CITY ON K2K 2A9	E/160.1	-1.17	28
5	SCT	Optotek Limited	62 Steacie Dr Kanata ON K2K 2A9	E/160.1	-1.17	28
5	GEN	OPTOTEK LIMITED	62 STEACIE DRIVE KANATA ON K2K 2A9	E/160.1	-1.17	28
5	GEN	OPTOTEK LIMITED 29-514	62 STEACIE DRIVE KANATA ON K2K 2A9	E/160.1	-1.17	29
5	GEN	AMCA INTERNATIONAL LTD. (OUTOFBUS)	RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	E/160.1	-1.17	29
5	GEN	AMCA INTERNATIONAL LTD. (OUTOFBUS) 03-096	RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	E/160.1	-1.17	30
5	EHS		62 Steacie Drive n/a ON K2K 2A9	E/160.1	-1.17	30
5	SCT	Elliptic Technologies Inc.	62 Steacie Dr Suite 201 Kanata ON K2K 2A9	E/160.1	-1.17	30
5	GEN	Optotek Ltd	62 Steacie Drive Ottawa ON	E/160.1	-1.17	30

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	GEN	GOLDER ASSOCIATES LTD.	62 STEACIE DRIVE KANATA ON	E/160.1	-1.17	31
5	GEN	Applied Micro Circuits Corporation Canada	62 Steacie Drive, #102 Kanata ON K2K 2A9	E/160.1	-1.17	31
6	BORE		ON	NNW/165.3	-3.12	31
7	EHS		401 March Road Ottawa ON	ENE/241.5	-3.03	32
7	EHS		401 March Rd Ottawa ON K2K0E4	ENE/241.5	-3.03	33
7	ECA	Starbank Developments 401 Corp.	401 March Rd Ottawa ON M5M 2L4	ENE/241.5	-3.03	33
7	FST	CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE/241.5	-3.03	33
7	FST	CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE/241.5	-3.03	33
7	FST	CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE/241.5	-3.03	34
7	FST	CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE/241.5	-3.03	34
7	EHS		401 March Rd Ottawa ON K2K0K1	ENE/241.5	-3.03	34
8	SCT	DRS FLIGHT SAFETY & COMM	365 MARCH RD KANATA ON K2K 3N5	E/249.5	-3.06	34
8	GEN	SPAR AEROSPACE	DEFENCE SYSTEMS DIVISION 365 MARCH ROAD KANATA ON K2K 3N5	E/249.5	-3.06	35

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	GEN	SPAR AEROSPACE LTD.-DEFENCE	SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O 5090 EXPLORER DR., SUITE 900 MISSISSAUGA ON K2K 3N5	E/249.5	-3.06	35
8	GEN	SPAR AEROSPACE LTD.-DEFENCE 35-100	SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 3N5	E/249.5	-3.06	36
8	GEN	DRS TECHNOLOGIES CANADA COMPANY	365 MARCH ROAD KANATA ON K2K 2C9	E/249.5	-3.06	36
9	SCT	THERATRONICS INTERNATIONAL LTD	413 MARCH RD KANATA ON K2K	NNE/249.6	-4.00	37
9	GEN	ATOMIC ENERGY OF CANADA LTD.	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE/249.6	-4.00	37
9	GEN	ATOMIC (SEE & USE ON1038900)	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE/249.6	-4.00	38
9	GEN	ATOMIC (SEE & USE ON1038900) 03-128	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE/249.6	-4.00	38
9	GEN	ATOMIC ENERGY (SEE & USE ON1038900)	413 MARCH ROAD KANATA ON K2K 2B7	NNE/249.6	-4.00	38
9	GEN	ATOMIC ENERGY OF CANADA LIMITED	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE/249.6	-4.00	39
9	GEN	ATOMIC ENERGY (OUT OF BUSINESS)	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE/249.6	-4.00	39
9	GEN	ATOMIC ENERGY (OUT OF BUSINESS) 03-242	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE/249.6	-4.00	40
9	GEN	ATOMIC ENERGY (OUT OF BUSINESS)	AECL RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE/249.6	-4.00	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	GEN	THERATRONICS INTERNATIONAL LIMITED	413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE/249.6	-4.00	41
9	GEN	THERATRONICS INTERNATIONAL LIMITED37-441	413 MARCH ROAD KANATA ON K2K 2B7	NNE/249.6	-4.00	41
9	GEN	THERATRONICS INTERNATIONAL LIMITED	413 MARCH ROAD KANATA ON K2K 2B7	NNE/249.6	-4.00	42
9	GEN	THERATR(SEE & USE ON1141701)	413 MARCH ROAD KANATA ON K2K 2B7	NNE/249.6	-4.00	43
9	GEN	MDS NORDION	413 MARCH ROAD KANATA ON K2K 1X8	NNE/249.6	-4.00	44
9	SCT	Best Medical Canada, Ltd.	413 March Rd Ottawa ON K2K 0E4	NNE/249.6	-4.00	45
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	45
9	NPRI	BEST THERATRONICS LTD	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	46
9	NPRI	BEST THERATRONICS LTD	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	46
9	SCT	Best Medical Canada, Ltd.	413 March Rd Kanata ON K2K 0E4	NNE/249.6	-4.00	47
9	EHS		413 March Road Ottawa (Kanata) ON K2K 0E4	NNE/249.6	-4.00	47
9	NPRI	BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	47
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	EHS		413 March Road Kanata, Ontario ON K2K 0E4	NNE/249.6	-4.00	49
9	NPRI	BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	49
9	EBR	Best Theratronics Ltd.	413 Marc Road Ottawa CITY OF OTTAWA ON	NNE/249.6	-4.00	50
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	50
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	51
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	52
9	NPRI	BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	52
9	EHS		413 March Road Ottawa ON	NNE/249.6	-4.00	53
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON	NNE/249.6	-4.00	54
9	NPRI	BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	54
9	ECA	Best Theratronics Ltd.	413 Marc Rd Ottawa ON K2K 0E4	NNE/249.6	-4.00	55
9	NPRI	BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	55
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	57
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	58
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	59
9	NPRI	Best Theratronics Ltd.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE/249.6	-4.00	60
9	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE/249.6	-4.00	60

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	NNW	165.28	6

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
OPTOTEK LIMITED	62 STEACIE DR. LOT 6 CONC. 3 KANATA CITY ON K2K 2A9	E	160.09	5

EBR - Environmental Registry

A search of the EBR database, dated 1994-Apr 30, 2020 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Best Theratronics Ltd.	413 Marc Road Ottawa CITY OF OTTAWA ON	NNE	249.56	9

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-May 31, 2020 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Starbank Developments 401 Corp.	401 March Rd Ottawa ON M5M 2L4	ENE	241.47	7
Best Theratronics Ltd.	413 Marc Rd Ottawa ON K2K 0E4	NNE	249.56	9

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 9 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	100 Steacie Drive Ottawa ON Kanata ON K2K 2A9	SE	8.05	1
	100 Steacie Dr Ottawa ON K2K2A9	WSW	27.77	2

Lower Elevation	Address	Direction	Distance (m)	Map Key
	62 Steacie Drive n/a ON K2K 2A9	E	160.09	5
	401 March Rd Ottawa ON K2K0E4	ENE	241.47	7
	401 March Road Ottawa ON	ENE	241.47	7
	401 March Rd Ottawa ON K2K0K1	ENE	241.47	7
	413 March Road Kanata, Ontario ON K2K 0E4	NNE	249.56	9
	413 March Road Ottawa (Kanata) ON K2K 0E4	NNE	249.56	9
	413 March Road Ottawa ON	NNE	249.56	9

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 4 FST site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE	241.47	7
CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE	241.47	7
CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE	241.47	7
CST CANADA CO	401 MARCH RD OTTAWA ON K2K 0K1	ENE	241.47	7

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 35 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
OPTOTEK LIMITED	62 STEACIE DRIVE KANATA ON K2K 2A9	E	160.09	5
OPTOTEK LIMITED 29-514	62 STEACIE DRIVE KANATA ON K2K 2A9	E	160.09	5
AMCA INTERNATIONAL LTD. (OUTOFBUS)	RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	E	160.09	5
AMCA INTERNATIONAL LTD. (OUTOFBUS) 03-096	RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	E	160.09	5
Optotek Ltd	62 Steacie Drive Ottawa ON	E	160.09	5

GOLDER ASSOCIATES LTD.	62 STEACIE DRIVE KANATA ON	E	160.09	5
Applied Micro Circuits Corporation Canada	62 Steacie Drive, #102 Kanata ON K2K 2A9	E	160.09	5
SPAR AEROSPACE	DEFENCE SYSTEMS DIVISION 365 MARCH ROAD KANATA ON K2K 3N5	E	249.50	8
SPAR AEROSPACE LTD.-DEFENCE	SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O 5090 EXPLORER DR., SUITE 900 MISSISSAUGA ON K2K 3N5	E	249.50	8
SPAR AEROSPACE LTD.-DEFENCE 35-100	SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 3N5	E	249.50	8
DRS TECHNOLOGIES CANADA COMPANY	365 MARCH ROAD KANATA ON K2K 2C9	E	249.50	8
ATOMIC ENERGY (SEE & USE ON1038900)	413 MARCH ROAD KANATA ON K2K 2B7	NNE	249.56	9
ATOMIC ENERGY OF CANADA LIMITED	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE	249.56	9
ATOMIC ENERGY (OUT OF BUSINESS)	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE	249.56	9
ATOMIC ENERGY (OUT OF BUSINESS) 03-242	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE	249.56	9
ATOMIC ENERGY (OUT OF BUSINESS)	AECL RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	NNE	249.56	9
THERATRONICS INTERNATIONAL LIMITED	413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE	249.56	9

THERATRONICS INTERNATIONAL LIMITED37-441	413 MARCH ROAD KANATA ON K2K 2B7	NNE	249.56	9
THERATRONICS INTERNATIONAL LIMITED	413 MARCH ROAD KANATA ON K2K 2B7	NNE	249.56	9
THERATR(SEE & USE ON1141701)	413 MARCH ROAD KANATA ON K2K 2B7	NNE	249.56	9
MDS NORDION	413 MARCH ROAD KANATA ON K2K 1X8	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
ATOMIC ENERGY OF CANADA LTD.	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE	249.56	9
ATOMIC (SEE & USE ON1038900)	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE	249.56	9
ATOMIC (SEE & USE ON1038900) 03-128	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON	NNE	249.56	9

Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9
Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	NNE	249.56	9

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 8 NPRI site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9
BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9
BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9
BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9
BEST THERATRONICS LTD.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9

Best Theratronics Ltd.	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9
BEST THERATRONICS LTD	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9
BEST THERATRONICS LTD	413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NNE	249.56	9

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 6 SCT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Elliptic Technologies Inc.	62 Steacie Dr Suite 201 Kanata ON K2K 2A9	E	160.09	5
Optotek Limited	62 Steacie Dr Kanata ON K2K 2A9	E	160.09	5
DRS FLIGHT SAFETY & COMM	365 MARCH RD KANATA ON K2K 3N5	E	249.50	8
Best Medical Canada, Ltd.	413 March Rd Kanata ON K2K 0E4	NNE	249.56	9
THERATRONICS INTERNATIONAL LTD	413 MARCH RD KANATA ON K2K	NNE	249.56	9
Best Medical Canada, Ltd.	413 March Rd Ottawa ON K2K 0E4	NNE	249.56	9

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

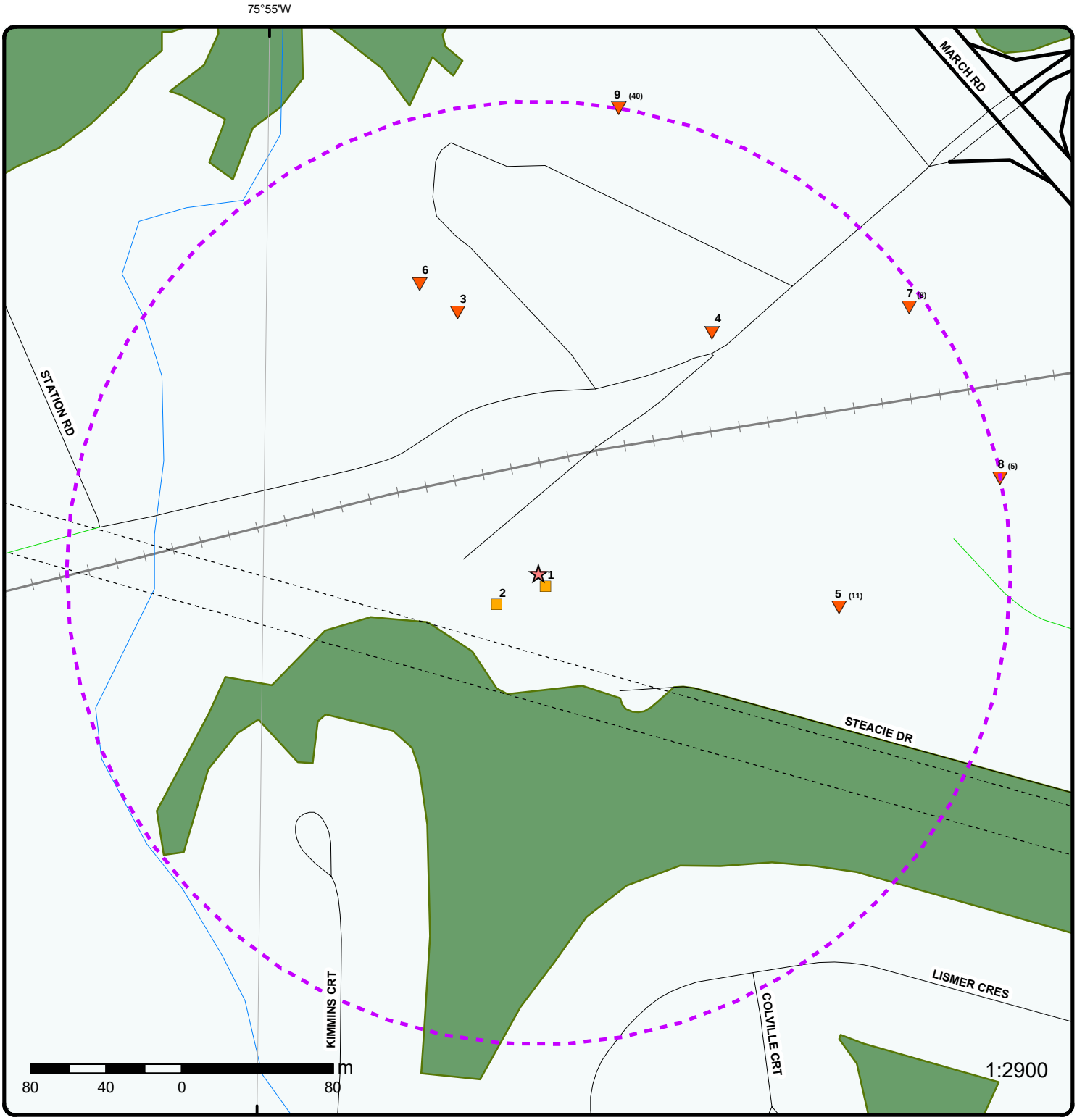
Lower Elevation	Address	Direction	Distance (m)	Map Key

	26 Station Road Ottawa ON	NE	156.95	4

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 7 con 3 ON ***Well ID:*** 1503342	NNW	144.27	3



Map : 0.25 Kilometer Radius

Order Number: 20200610238

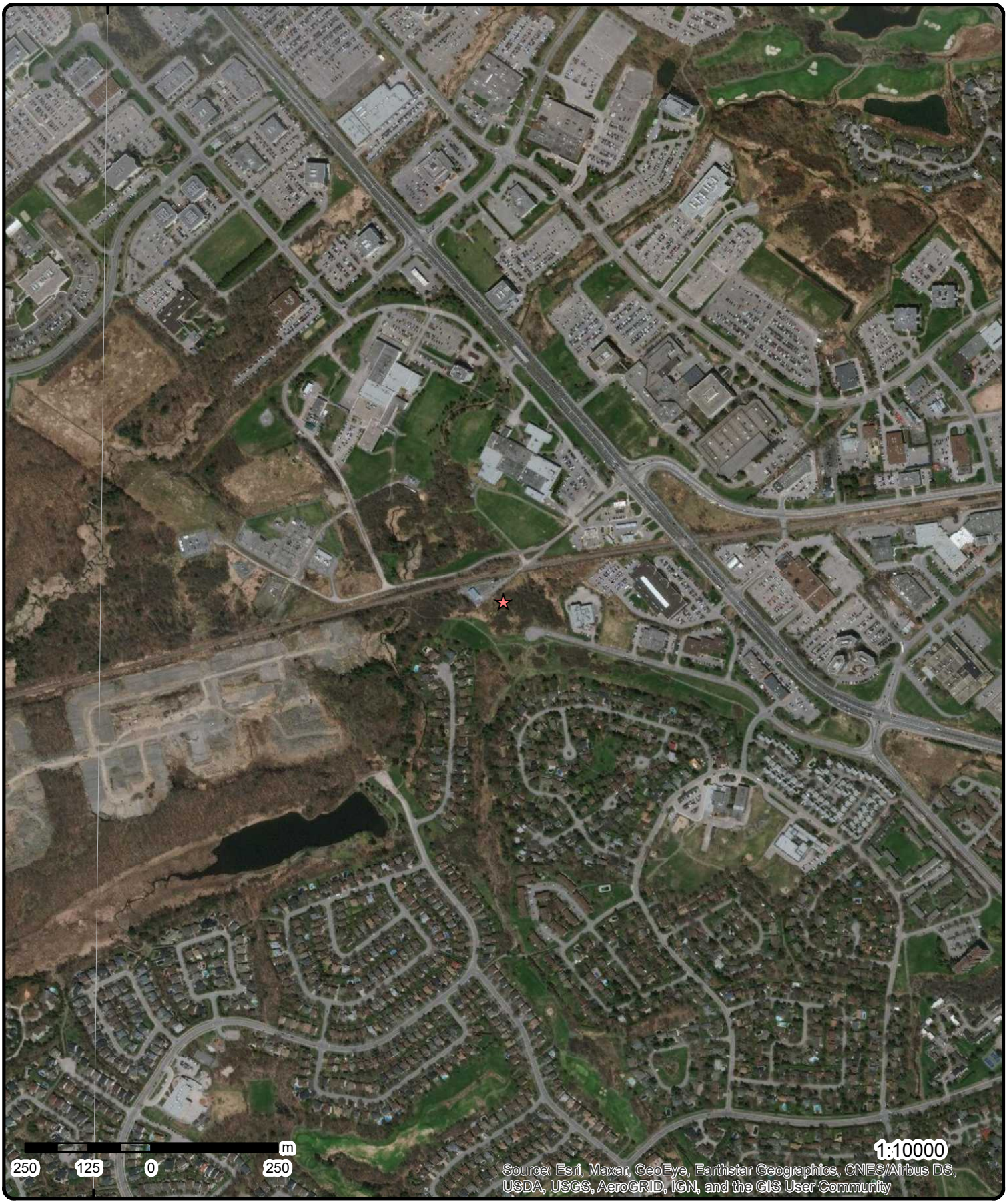
Address: 100 Steacie Drive, Kanata, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

75°55'30"W



Aerial

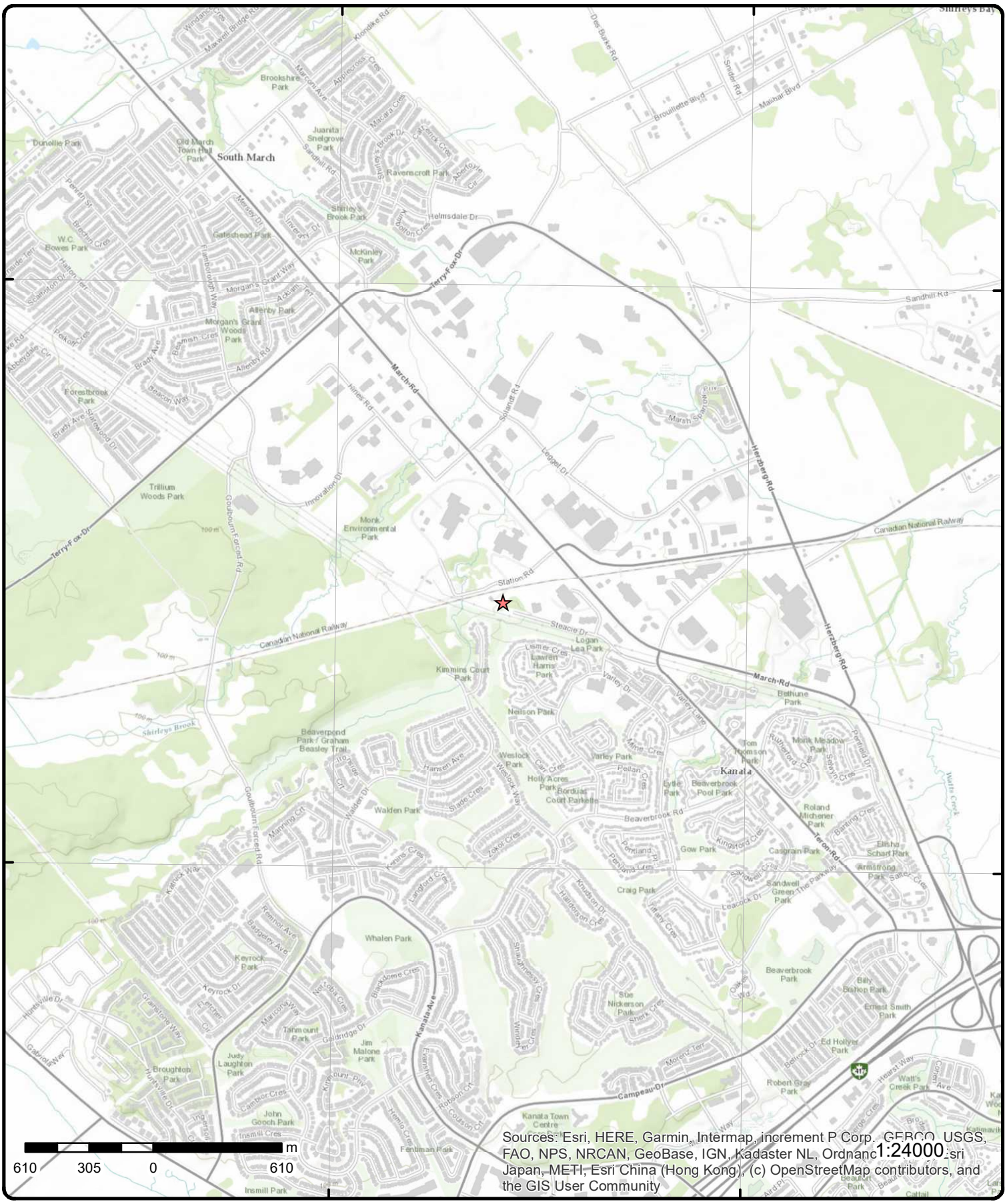
Year: 2019

Address: 100 Steacie Drive, Kanata, ON

Source: ESRI World Imagery

Order Number: 20200610238

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 100 Steacie Drive, ON

Source: ESRI World Topographic Map

Order Number: 20200610238

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	WSW/27.8	89.9 / 0.00	100 Steacie Dr Ottawa ON K2K2A9	EHS

Order No:	20140703078	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	10-JUL-14	**Search Radius (km):**	.25
Date Received:	03-JUL-14	**X:**	-75.915072
Previous Site Name:		**Y:**	45.336255
Lot/Building Size:	5.59 Acres		
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SE/8.1	89.9 / 0.00	100 Steacie Drive Ottawa ON Kanata ON K2K 2A9	EHS

Order No:	20190207037	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	13-FEB-19	**Search Radius (km):**	.15
Date Received:	07-FEB-19	**X:**	-75.914747
Previous Site Name:		**Y:**	45.336344
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	NNW/144.3	87.9 / -2.03	lot 7 con 3 ON	WWIS

Well ID:	1503342	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Public	**Date Received:**	6/25/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4216
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	007
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10025385	**Elevation:**	85.883888
DP2BR:	62	**Elevrc:**	

Spatial Status:		***Zone:***	18
Code OB:	v	***East83:***	428280.6
Code OB Desc:	Overburden below Bedrock	***North83:***	5020867
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	6/22/1965	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930996623
Layer:	3
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	62
Formation End Depth:	85
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930996621
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930996625
Layer:	5
Color:	7
General Color:	RED
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	86
Formation End Depth:	130

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996622
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 40
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996624
Layer: 4
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 85
Formation End Depth: 86
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573955
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043522
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930043523
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	130
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503342
Pump Set At:	
Static Level:	9
Final Level After Pumping:	58
Recommended Pump Depth:	80
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	8
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933456236
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	130
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	NE/157.0	87.6 / -2.34	26 Station Road Ottawa ON	SPL

Ref No:	3714-9KRLF2	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2014/06/04	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	Transformer
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	TRANSMISSION OIL	***Site Address:***	26 Station Road
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Ottawa
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2014/06/04	***Site Map Datum:***	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Dt Document Closed: 2014/11/07 **SAC Action Class:** Land Spills
Incident Reason: Equipment Failure **Source Type:**
Site Name: 26 Station Road<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Hydro One: 2L transformer oil to ground
Contaminant Qty: 2 L

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5 **1 of 11** **E/160.1** **88.7 / -1.17** **OPTOTEK LIMITED**
62 STEACIE DR. LOT 6 CONC. 3
KANATA CITY ON K2K 2A9 **CA**

Certificate #: 8-4011-87-
Application Year: 87
Issue Date: 1/15/1988
Approval Type: Industrial air
Status: Approved in 1988
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: HALOGONATED SOLVENTS
Contaminants:
Emission Control:

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5 **2 of 11** **E/160.1** **88.7 / -1.17** **Optotek Limited**
62 Steacie Dr
Kanata ON K2K 2A9 **SCT**

Established: 1977
Plant Size (ft²): 5000
Employment:

--Details--
Description: Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code: 334410

Description: Manufacturing and Reproducing Magnetic and Optical Media
SIC/NAICS Code: 334610

Description: Computer Systems Design and Related Services
SIC/NAICS Code: 541510

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5 **3 of 11** **E/160.1** **88.7 / -1.17** **OPTOTEK LIMITED**
62 STEACIE DRIVE
KANATA ON K2K 2A9 **GEN**

Generator No: ON0135401 **PO Box No:**
Status: **Country:**
Approval Years: 90,98,99,00,01,02,03,04,05 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No Admin:**
SIC Code: 3352
SIC Description: ELECT. PARTS & COMP.

Detail(s)

Waste Class: 148

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	4 of 11	E/160.1	88.7 / -1.17	OPTOTEK LIMITED 29-514 62 STEACIE DRIVE KANATA ON K2K 2A9	GEN

Generator No: ON0135401
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 3352
SIC Description: ELECT. PARTS & COMP.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	5 of 11	E/160.1	88.7 / -1.17	AMCA INTERNATIONAL LTD.(OUTOFBUS) RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	GEN

Generator No: ON0480500
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 3022
SIC Description: PLATE WORK INDUSTRY

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	6 of 11	E/160.1	88.7 / -1.17	AMCA INTERNATIONAL LTD.(OUTOFBUS) 03-096 RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	GEN

Generator No: ON0480500
Status:
Approval Years: 92,93,94,95,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 3022
SIC Description: PLATE WORK INDUSTRY
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	7 of 11	E/160.1	88.7 / -1.17	62 Steacie Drive n/a ON K2K 2A9	EHS

Order No: 20060323011w
Status: C
Report Type: Online Mapless
Report Date: 3/23/2006
Date Received: 3/23/2006
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X:
Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	8 of 11	E/160.1	88.7 / -1.17	Elliptic Technologies Inc. 62 Steacie Dr Suite 201 Kanata ON K2K 2A9	SCT

Established: 01-AUG-01
Plant Size (ft²):
Employment:

--Details--
Description: Manufacturing and Reproducing Magnetic and Optical Media
SIC/NAICS Code: 334610

Description: Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code: 334410

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	9 of 11	E/160.1	88.7 / -1.17	Optotek Ltd 62 Steacie Drive Ottawa ON	GEN

Generator No: ON6973632
Status:
Approval Years: 06
Contam. Facility:
MHSW Facility:
SIC Code: 334410
SIC Description: Semiconductor and Other Electronic Component Manuf
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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5 | **10 of 11** | **E/160.1** | **88.7 / -1.17** | **GOLDER ASSOCIATES LTD.**
62 STEACIE DRIVE
KANATA ON | **GEN**

Generator No: ON7637612
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 541620
SIC Description:

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

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5 | **11 of 11** | **E/160.1** | **88.7 / -1.17** | **Applied Micro Circuits Corporation Canada**
62 Steacie Drive, #102
Kanata ON K2K 2A9 | **GEN**

Generator No: ON6281754
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

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6 | **1 of 1** | **NNW/165.3** | **86.8 / -3.12** | **ON** | **BORE**

Borehole ID: 609748
OGF ID: 215511363
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 3.4
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 85.3
Elev Reliabil Note:
DEM Ground Elev m: 86
Concession:
Location D:
Survey D:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.337778
Longitude DD: -75.915618
UTM Zone: 18
Easting: 428261
Northing: 5020882
Location Accuracy:
Accuracy: Not Applicable

Comments:

Borehole Geology Stratum

Geology Stratum ID:	218383982	***Mat Consistency:***	
Top Depth:	18.9	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:	Granite	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK,GRANITE. 400. BEDROCK. SEISMIC VELOCITY = 14500. GRANITE. 00100VELOCIT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218383981	***Mat Consistency:***	
Top Depth:	12.2	***Material Moisture:***	
Bottom Depth:	18.9	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Gravel	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	GRAVEL. WATER STABLE AT 269.0 FEET.		

Geology Stratum ID:	218383980	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	12.2	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	M	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 022560 NTS_Sheet: 31G05D		
Confiden 1:	Reliable information but incomplete.		

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 8	ENE/241.5	86.9 / -3.03	401 March Road Ottawa ON	EHS

Order No:	20071112022	***Nearest Intersection:***	March Road and Station Road

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Status:	C	**Municipality:**	
Report Type:	CAN - Complete Report	**Client Prov/State:**	
Report Date:	11/16/2007	**Search Radius (km):**	0.25
Date Received:	11/12/2007	**X:**	-75.911851
Previous Site Name:		**Y:**	45.337737
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps And /or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	2 of 8	ENE/241.5	86.9 / -3.03	401 March Rd Ottawa ON K2K0E4	EHS

Order No:	20130806003	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	14-AUG-13	**Search Radius (km):**	.25
Date Received:	06-AUG-13	**X:**	-75.912193
Previous Site Name:		**Y:**	45.337671
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	3 of 8	ENE/241.5	86.9 / -3.03	Starbank Developments 401 Corp. 401 March Rd Ottawa ON M5M 2L4	ECA

Approval No:	0186-9VRP52	**MOE District:**	
Approval Date:	2015-04-22	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS		
Project Type:	INDUSTRIAL SEWAGE WORKS		
Address:	401 March Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6937-9TKK69-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	4 of 8	ENE/241.5	86.9 / -3.03	CST CANADA CO 401 MARCH RD OTTAWA ON K2K 0K1	FST

Instance No:	64688412
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	65000
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	NULL
Tank Type:	Double Wall UST
Install Year:	2015
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	5 of 8	ENE/241.5	86.9 / -3.03	CST CANADA CO 401 MARCH RD OTTAWA ON K2K 0K1	FST

Instance No:	64688413
Cont Name:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 65000
Tank Material: Fiberglass (FRP)
Corrosion Protection: NULL
Tank Type: Double Wall UST
Install Year: 2015
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

7	6 of 8	ENE/241.5	86.9 / -3.03	CST CANADA CO 401 MARCH RD OTTAWA ON K2K 0K1	FST

Instance No: 64688414
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 35000
Tank Material: Fiberglass (FRP)
Corrosion Protection: NULL
Tank Type: Double Wall UST
Install Year: 2015
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

7	7 of 8	ENE/241.5	86.9 / -3.03	CST CANADA CO 401 MARCH RD OTTAWA ON K2K 0K1	FST

Instance No: 64688415
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 25000
Tank Material: Fiberglass (FRP)
Corrosion Protection: NULL
Tank Type: Double Wall UST
Install Year: 2015
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

7	8 of 8	ENE/241.5	86.9 / -3.03	401 March Rd Ottawa ON K2K0K1	EHS

Order No: 20151109074
Status: C
Report Type: Custom Report
Report Date: 13-NOV-15
Date Received: 09-NOV-15
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.912046
Y: 45.337797

8	1 of 5	E/249.5	86.8 / -3.06	DRS FLIGHT SAFETY & COMM 365 MARCH RD	SCT

KANATA ON K2K 3N5

Established: 1967
Plant Size (ft²): 1200
Employment: 90

--Details--
Description: GUIDED MISSILE AND SPACE VEHICLE PROPULSION UNITS AND PROPULSION UNIT PARTS
SIC/NAICS Code: 3764

Description: GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 3769

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8 | **2 of 5** | **E/249.5** | **86.8 / -3.06** | **SPAR AEROSPACE DEFENCE SYSTEMS DIVISION 365 MARCH ROAD KANATA ON K2K 3N5** | **GEN**

Generator No: ON0161502
Status:
Approval Years: 86,87,88
Contam. Facility:
MHSW Facility:
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

8 | **3 of 5** | **E/249.5** | **86.8 / -3.06** | **SPAR AEROSPACE LTD.-DEFENCE SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O 5090 EXPLORER DR., SUITE 900 MISSISSAUGA ON K2K 3N5** | **GEN**

Generator No: ON0161502
Status:
Approval Years: 89,90
Contam. Facility:
MHSW Facility:
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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8 | ***4 of 5*** | ***E/249.5*** | ***86.8 / -3.06*** | ***SPAR AEROSPACE LTD.-DEFENCE SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 3N5*** | ***GEN***

Generator No: ON0161502
Status:
Approval Years: 92,93,94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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8 | ***5 of 5*** | ***E/249.5*** | ***86.8 / -3.06*** | ***DRS TECHNOLOGIES CANADA COMPANY 365 MARCH ROAD KANATA ON K2K 2C9*** | ***GEN***

Generator No: ON2304801
Status:
Approval Years: 97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3359

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

SIC Description: OTHER COMMUN. & ELE.

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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9 | ***1 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***THERATRONICS INTERNATIONAL LTD***
413 MARCH RD
KANATA ON K2K | ***SCT***

Established: 1952
Plant Size (ft²): 0
Employment: 260

--Details--
Description: ELECTROMEDICAL AND ELECTROTHERAPEUTIC APPARATUS
SIC/NAICS Code: 3845

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9 | ***2 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***ATOMIC ENERGY OF CANADA LTD.***
MEDICAL, 413 MARCH ROAD P.O. BOX 13140
KANATA ON K2K 2B7 | ***GEN***

Generator No: ON0029501
Status:
Approval Years: 86,87
Contam. Facility:
MHSW Facility:
SIC Code: 8176
SIC Description: RESEARCH ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

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9 **3 of 40** **NNE/249.6** **85.9 / -4.00** **ATOMIC (SEE & USE ON1038900)**
MEDICAL, 413 MARCH ROAD P.O. BOX 13140
KANATA ON K2K 2B7 **GEN**

Generator No: ON0029501
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8176
SIC Description: RESEARCH ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

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9 **4 of 40** **NNE/249.6** **85.9 / -4.00** **ATOMIC (SEE & USE ON1038900) 03-128**
MEDICAL, 413 MARCH ROAD P.O. BOX 13140
KANATA ON K2K 2B7 **GEN**

Generator No: ON0029501
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8176
SIC Description: RESEARCH ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

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9 **5 of 40** **NNE/249.6** **85.9 / -4.00** **ATOMIC ENERGY (SEE & USE ON1038900)**
413 MARCH ROAD
KANATA ON K2K 2B7 **GEN**

Generator No: ON0029501
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 8176
SIC Description: RESEARCH ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	6 of 40	NNE/249.6	85.9 / -4.00	ATOMIC ENERGY OF CANADA LIMITED RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	GEN

Generator No: ON0029502
Status:
Approval Years: 86,87,88
Contam. Facility:
MHSW Facility:
SIC Code: 8225
SIC Description: REGULATORY SERVICES

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	7 of 40	NNE/249.6	85.9 / -4.00	ATOMIC ENERGY (OUT OF BUSINESS) RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	GEN

Generator No: ON0029502
Status:
Approval Years: 89,90
Contam. Facility:

PO Box No:
Country:
Choice of Contact:
Co Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

MHSW Facility: ***Phone No Admin:***
SIC Code: 8225
SIC Description: REGULATORY SERVICES

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

9	*8 of 40*	*NNE/249.6*	*85.9 / -4.00*	***ATOMIC ENERGY (OUT OF BUSINESS) 03-242 RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8***	***GEN***

Generator No: ON0029502 ***PO Box No:***
Status: ***Country:***
Approval Years: 92,93,94,95,96,97 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 8225
SIC Description: REGULATORY SERVICES

9	*9 of 40*	*NNE/249.6*	*85.9 / -4.00*	***ATOMIC ENERGY (OUT OF BUSINESS) AECL RADIOCHEMICAL COMPANY 413 MARCH ROAD***	***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				KANATA ON K2K 1X8	

Generator No: ON0029502
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 8225
SIC Description: REGULATORY SERVICES

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	10 of 40	NNE/249.6	85.9 / -4.00	THERATRONICS INTERNATIONAL LIMITED 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	GEN

Generator No: ON1038900
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8176
SIC Description: RESEARCH ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	11 of 40	NNE/249.6	85.9 / -4.00	THERATRONICS INTERNATIONAL LIMITED37-441 413 MARCH ROAD KANATA ON K2K 2B7	GEN

Generator No: ON1038900
Status:
Approval Years: 92,93,94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 131
Waste Class Desc: NEUTRALIZED WASTES - HEAVY METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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9 | ***12 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***THERATRONICS INTERNATIONAL LIMITED*** | ***GEN***

413 MARCH ROAD
KANATA ON K2K 2B7

Generator No: ON1038900
Status:
Approval Years: 97,98
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 131
Waste Class Desc: NEUTRALIZED WASTES - HEAVY METALS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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9 | ***13 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***THERATR(SEE & USE ON1141701)***
413 MARCH ROAD
KANATA ON K2K 2B7 | ***GEN***

Generator No: ON1038900
Status:
Approval Years: 99,00
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 131
Waste Class Desc: NEUTRALIZED WASTES - HEAVY METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

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9 | ***14 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***MDS NORDION***
413 MARCH ROAD
KANATA ON K2K 1X8 | ***GEN***

Generator No: ON1141701
Status:
Approval Years: 99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 131
Waste Class Desc: NEUTRALIZED WASTES - HEAVY METALS

Waste Class: 143
Waste Class Desc: STEEL MAKING RESIDUES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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9 | **15 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Medical Canada, Ltd.**
413 March Rd
Ottawa ON K2K 0E4 | **SCT**

Established: 1/1/1984
Plant Size (ft²): 3000
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

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9 | **16 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Theratronics Ltd.**
413 March Road
Kanata ON K2K 0E4 | **GEN**

Generator No: ON8046323
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 333299 333519 333990
SIC Description: All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 331

Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS

9 **17 of 40** **NNE/249.6** **85.9 / -4.00**

BEST THERATRONICS LTD
413 MARCH ROAD NOT AVAILABLE
OTTAWA ON K2K0E4

NPRI

NPRI ID:	11667	**Org ID:**	38990
Other ID:	N	**Submit Date:**	5/25/2009
No Other ID:		**Last Modified:**	5/29/2015 3:28:24 PM
Track ID:	63699	**Contact ID:**	
Report ID:	124670	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2008	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	
Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:	No	**UTM Northing:**	
URL:	theratronics.ca	**UTM Easting:**	
No of Empl.:	150	**Waste Streams:**	No
Parent Co.:	N	**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	Yes
Pollut Prev Cmnts:	No	**No Off Sites:**	1
Stacks:	No	**Shutdown:**	No
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3391		
NAICS 4 Description:	Medical equipment and supplies manufacturing		
NAICS Code (6 digit):	339110		
NAICS 6 Description:	Medical equipment and supplies manufacturing		

9 **18 of 40** **NNE/249.6** **85.9 / -4.00**

BEST THERATRONICS LTD
413 MARCH ROAD NOT AVAILABLE
OTTAWA ON K2K0E4

NPRI

NPRI ID:	11667	**Org ID:**	38990
Other ID:	N	**Submit Date:**	5/14/2010
No Other ID:		**Last Modified:**	5/29/2015 3:28:24 PM
Track ID:	84222	**Contact ID:**	
Report ID:	138088	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2009	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:	No	**UTM Northing:**	
URL:	theratronics.ca	**UTM Easting:**	
No of Empl.:	150	**Waste Streams:**	No
Parent Co.:	N	**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	Yes
Pollut Prev Cmnts:	No	**No Off Sites:**	1
Stacks:	No	**Shutdown:**	No
No of Stacks:		**No of Shutdown:**	

Canadian SIC Code (2 digit):
Canadian SIC Code:
SIC Code Description:
American SIC Code:
NAICS Code (2 digit): 33
NAICS 2 Description: Manufacturing
NAICS Code (4 digit): 3391
NAICS 4 Description: Medical equipment and supplies manufacturing
NAICS Code (6 digit): 339110
NAICS 6 Description: Medical equipment and supplies manufacturing

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9 | ***19 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***Best Medical Canada, Ltd.***
413 March Rd
Kanata ON K2K 0E4 | ***SCT***

Established: 01-JAN-84
Plant Size (ft²): 3000
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

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9 | ***20 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***413 March Road***
Ottawa (Kanata) ON K2K 0E4 | ***EHS***

Order No:	20110225001	**Nearest Intersection:**	March Road and Station Road
Status:	C	**Municipality:**	Ottawa
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	3/8/2011	**Search Radius (km):**	0.25
Date Received:	2/25/2011 8:50:30 AM	**X:**	-75.914443
Previous Site Name:		**Y:**	45.339314
Lot/Building Size:	18.050 acres		

Additional Info Ordered: Fire Insur. Maps and/or Site Plans

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9 | ***21 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***BEST THERATRONICS LTD.***
413 MARCH ROAD NOT AVAILABLE
OTTAWA ON K2K0E4 | ***NPRI***

NPRI ID:	11667	**Org ID:**	101931
Other ID:	Y	**Submit Date:**	6/15/2011
No Other ID:	1	**Last Modified:**	5/29/2015 3:28:24 PM
Track ID:	92293	**Contact ID:**	
Report ID:	146349	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2010	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	
Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:	No	**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	140	**Waste Streams:**	No
Parent Co.:	*	**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	Yes
Pollut Prev Cmnts:	No	**No Off Sites:**	1
Stacks:	No	**Shutdown:**	No
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3391		
NAICS 4 Description:	Medical equipment and supplies manufacturing		
NAICS Code (6 digit):	339110		
NAICS 6 Description:	Medical equipment and supplies manufacturing		

9 | ***22 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***Best Theratronics Ltd.***
413 March Road
Kanata ON K2K 0E4 | ***GEN***

Generator No:	ON8046323	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2009	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	333299, 333519, 333990		
SIC Description:	All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing		

Detail(s)

Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	252

Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	241
Waste Class Desc:	HALOGENATED SOLVENTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

9 | **23 of 40** | **NNE/249.6** | **85.9 / -4.00** | **413 March Road, Kanata, Ontario ON K2K 0E4** | **EHS**

Order No:	20120724015	**Nearest Intersection:**	
Status:	C	**Municipality:**	City of Ottawa (formerly Township of March)
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	02-AUG-12	**Search Radius (km):**	.25
Date Received:	24-JUL-12	**X:**	-75.914169
Previous Site Name:	unknown	**Y:**	45.338844
Lot/Building Size:	approx. 18.05 acres		
Additional Info Ordered:			

9 | **24 of 40** | **NNE/249.6** | **85.9 / -4.00** | **BEST THERATRONICS LTD. 413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4** | **NPRI**

NPRI ID:	11667	**Org ID:**	101931
Other ID:		**Submit Date:**	6/7/2012
No Other ID:		**Last Modified:**	5/29/2015 3:28:24 PM
Track ID:	99973	**Contact ID:**	
Report ID:	3815	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2011	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	
Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	145	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

No of Stacks: ***No of Shutdown:***
Canadian SIC Code (2 digit):
Canadian SIC Code:
SIC Code Description:
American SIC Code:
NAICS Code (2 digit): 33
NAICS 2 Description: Manufacturing
NAICS Code (4 digit): 3391
NAICS 4 Description: Medical equipment and supplies manufacturing
NAICS Code (6 digit): 339110
NAICS 6 Description: Medical equipment and supplies manufacturing

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9 ***25 of 40*** ***NNE/249.6*** ***85.9 / -4.00*** ***Best Theratronics Ltd.***
413 Marc Road Ottawa CITY OF OTTAWA
ON ***EBR***

EBR Registry No: 011-9455 ***Decision Posted:***
Ministry Ref No: 3354-98JN7Y ***Exception Posted:***
Notice Type: Instrument Decision ***Section:***
Notice Stage: 808941786 ***Act 1:***
Notice Date: October 13, 2015 ***Act 2:***
Proposal Date: June 27, 2013 ***Site Location Map:***
Year: 2013
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:
Posted By:
Company Name: Best Theratronics Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 413 Marc Road, Ottawa Ontario, Canada K2K 0E4
Comment Period:
URL:

Site Location Details:

413 Marc Road Ottawa CITY OF OTTAWA

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9 ***26 of 40*** ***NNE/249.6*** ***85.9 / -4.00*** ***Best Theratronics Ltd.***
413 March Road
Kanata ON K2K 0E4 ***GEN***

Generator No: ON8046323 ***PO Box No:***
Status: ***Country:***
Approval Years: 2010 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 333299, 333519, 333990
SIC Description: All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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9 | **27 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Theratronics Ltd.**
413 March Road
Kanata ON K2K 0E4 | **GEN**

Generator No: ON8046323
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 333299, 333519, 333990
SIC Description: All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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9 | **28 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Theratronics Ltd.**
413 March Road
Kanata ON K2K 0E4 | **GEN**

Generator No: ON8046323
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 333299, 333519, 333990
SIC Description: All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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9 | **29 of 40** | **NNE/249.6** | **85.9 / -4.00** | **BEST THERATRONICS LTD.**
413 MARCH ROAD NOT AVAILABLE
OTTAWA ON K2K0E4 | **NPRI**

NPRI ID: 11667
Other ID:
Org ID: 101931
Submit Date: 6/14/2013

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

No Other ID:		**Last Modified:**	5/29/2015 3:28:24 PM
Track ID:	109271	**Contact ID:**	
Report ID:	21962	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2012	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	
Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	175	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3391		
NAICS 4 Description:	Medical equipment and supplies manufacturing		
NAICS Code (6 digit):	339110		
NAICS 6 Description:	Medical equipment and supplies manufacturing		

Substance Release Report

Category Type ID:	13
Category Type Desc:	All Media
Category Type Desc (fr):	Rejets à tous les médias
Grouping:	Total All Media<1t
Trans Code:	
Chem:	Lead (and its compounds)
Chem (fr):	Plomb (et ses composés)
Quantity:	.086
Unit:	kg
Basis of Estimate Cd:	NA
Basis of Estimate Desc:	NA- Not Applicable

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	30 of 40	NNE/249.6	85.9 / -4.00	413 March Road Ottawa ON	EHS

Order No:	20140123037	**Nearest Intersection:**	
Status:	C	**Municipality:**	City of Ottawa
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	29-JAN-14	**Search Radius (km):**	.25
Date Received:	23-JAN-14	**X:**	-75.914288
Previous Site Name:	3672361 Canada Inc; Theratronics International Limited; MDS Nordion	**Y:**	45.338863
Lot/Building Size:	18.05 acres		
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	31 of 40	NNE/249.6	85.9 / -4.00	Best Theratronics Ltd. 413 March Road Kanata ON	GEN

Generator No: ON8046323
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 333299, 333519, 333990
SIC Description: ALL OTHER INDUSTRIAL MACHINERY MANUFACTURING, OTHER METALWORKING MACHINERY MANUFACTURING, ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	32 of 40	NNE/249.6	85.9 / -4.00	BEST THERATRONICS LTD. 413 MARCH ROAD NOT AVAILABLE OTTAWA ON K2K0E4	NPRI

NPRI ID: 11667
Other ID:
No Other ID:
Track ID: 118051
Report ID: 37107
Report Type: NPRI
Rpt Type ID: 1
Report Year: 2013
Not-Current Rpt?: No
Yr of Last Filed Rpt: 2014

Org ID: 101931
Submit Date: 5/27/2014
Last Modified: 5/29/2015 3:28:24 PM
Contact ID:
Cont Type:
Contact Title:
Cont First Name:
Cont Last Name:
Contact Position:
Contact Fax:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	175	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3391		
NAICS 4 Description:	Medical equipment and supplies manufacturing		
NAICS Code (6 digit):	339110		
NAICS 6 Description:	Medical equipment and supplies manufacturing		

Substance Release Report

Category Type ID:	1
Category Type Desc:	Stack / Point
Category Type Desc (fr):	Rejets de cheminée ou ponctuels
Grouping:	Total Air
Trans Code:	ASta
Chem:	Lead (and its compounds)
Chem (fr):	Plomb (et ses composés)
Quantity:	.081
Unit:	kg
Basis of Estimate Cd:	E2
Basis of Estimate Desc:	E2- Published Emission Factors - In use from 2003 and onward

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	33 of 40	NNE/249.6	85.9 / -4.00	**Best Theratronics Ltd.** **413 Marc Rd** **Ottawa ON K2K 0E4**	ECA

Approval No:	9972-9ZQKQB	**MOE District:**	
Approval Date:	2015-10-08	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Address:	413 Marc Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3354-98JN7Y-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	34 of 40	NNE/249.6	85.9 / -4.00	**BEST THERATRONICS LTD.** **413 MARCH ROAD NOT AVAILABLE** **OTTAWA ON K2K0E4**	NPRI

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

NPRI ID:	11667	**Org ID:**	101931
Other ID:		**Submit Date:**	5/29/2015
No Other ID:		**Last Modified:**	6/10/2015 10:59:04 AM
Track ID:	129164	**Contact ID:**	
Report ID:	54389	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2014	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	
Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	175	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3391		
NAICS 4 Description:	Medical equipment and supplies manufacturing		
NAICS Code (6 digit):	339110		
NAICS 6 Description:	Medical equipment and supplies manufacturing		

Substance Release Report

Category Type ID:	1
Category Type Desc:	Stack / Point
Category Type Desc (fr):	Rejets de cheminée ou ponctuels
Grouping:	Total Air
Trans Code:	ASta
Chem:	Lead (and its compounds)
Chem (fr):	Plomb (et ses composés)
Quantity:	.046
Unit:	kg
Basis of Estimate Cd:	E2
Basis of Estimate Desc:	E2- Published Emission Factors - In use from 2003 and onward

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9 | ***35 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***Best Theratronics Ltd.***
413 March Road
Kanata ON K2K 0E4 | ***GEN***

Generator No:	ON8046323	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No Admin:**	
SIC Code:	333299, 333519, 333990		

SIC Description: ALL OTHER INDUSTRIAL MACHINERY MANUFACTURING, OTHER METALWORKING MACHINERY MANUFACTURING, ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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9 | ***36 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***Best Theratronics Ltd.***
413 March Road
Kanata ON K2K 0E4 | ***GEN***

Generator No: ON8046323
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 333299, 333519, 333990
SIC Description: ALL OTHER INDUSTRIAL MACHINERY MANUFACTURING, OTHER METALWORKING MACHINERY MANUFACTURING, ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

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9 | ***37 of 40*** | ***NNE/249.6*** | ***85.9 / -4.00*** | ***Best Theratronics Ltd.***
413 March Road
Kanata ON K2K 0E4 | ***GEN***

Generator No: ON8046323
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 122 C
Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 146 C
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 146 I
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 146 R
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 241 H
Waste Class Desc: Halogenated solvents and residues

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 252 T
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 253 L
Waste Class Desc: Emulsified oils

Waste Class: 263 I
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 264 C
Waste Class Desc: Photoprocessing wastes

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

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9 | **38 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Theratronics Ltd.**
413 March Road
Kanata ON K2K 0E4 | **GEN**

Generator No: ON8046323
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 333299, 333519, 333990
SIC Description: ALL OTHER INDUSTRIAL MACHINERY MANUFACTURING, OTHER METALWORKING MACHINERY MANUFACTURING, ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

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9 | **39 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Theratronics Ltd.**
413 MARCH ROAD NOT AVAILABLE
OTTAWA ON K2K0E4 | **NPRI**

NPRI ID:	11667	**Org ID:**	105523
Other ID:		**Submit Date:**	5/27/2016
No Other ID:		**Last Modified:**	11/18/2016 8:28:05 AM
Track ID:	139487	**Contact ID:**	
Report ID:	73834	**Cont Type:**	
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	
Report Year:	2015	**Cont Last Name:**	
Not-Current Rpt?:	No	**Contact Position:**	
Yr of Last Filed Rpt:	2014	**Contact Fax:**	
Fac ID:	224293	**Contact Ph.:**	
Fac Name:	BEST THERATRONICS	**Cont Area Code:**	
Fac Address1:	413 MARCH ROAD	**Contact Tel.:**	
Fac Address2:	NOT AVAILABLE	**Contact Ext.:**	
Fac Postal Zip:	K2K0E4	**Cont Fax Area Cde:**	
Facility Lat:	45.3388	**Contact Fax:**	
Facility Long:	-75.9141	**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	45.3388
Facility DLS:		**Longitude:**	-75.9141
Datum:	1983	**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	150	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3391		
NAICS 4 Description:	Medical equipment and supplies manufacturing		
NAICS Code (6 digit):	339110		
NAICS 6 Description:	Medical equipment and supplies manufacturing		

Substance Release Report

Category Type ID:	1
Category Type Desc:	Stack / Point
Category Type Desc (fr):	Rejets de cheminée ou ponctuels
Grouping:	Total Air
Trans Code:	ASta
Chem:	
Chem (fr):	
Quantity:	.033
Unit:	kg
Basis of Estimate Cd:	E2
Basis of Estimate Desc:	E2- Published Emission Factors - In use from 2003 and onward

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9 | **40 of 40** | **NNE/249.6** | **85.9 / -4.00** | **Best Theratronics Ltd.**
413 March Road
Kanata ON K2K 0E4 | **GEN**

Generator No:	ON8046323	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Oct 2019	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
Waste Class:	252 T
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	253 L
Waste Class Desc:	Emulsified oils
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	264 C
Waste Class Desc:	Photoprocessing wastes
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	146 I
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	146 C
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	241 H
Waste Class Desc:	Halogenated solvents and residues
Waste Class:	146 R
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals

Unplottable Summary

Total: 41 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 6 Con 3	Kanata ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA	1374421 Ontario Ltd.	North Part of Lot 6, Concession III	Ottawa ON	
CA	Longwood Building Corporation	Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front	Ottawa ON	
CA	1374421 Ontario Ltd.	North Part of Lot 6, Concession III	Ottawa ON	
CA	1250353 Ontario Limited	Part of Lot 6, Concession 2 and 3, Rideau	Ottawa ON	
CA	ONTARIO HYDRO, SOUTH MARCH TS	LOT 7, CONC, 3	KANATA CITY ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA	GOLDER ASSOCIATES LIMITED	SAWMILL RIDGE SUBD., MAC ST.	OTTAWA CITY ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA	Longwood Building Corporation	Part of Lot 6, Between Concession 2 & 3	Ottawa ON	
EBR	Golder Associates Ltd.	19311935 Robertson Road Ottawa K2H 5B9 CITY OF OTTAWA	ON	
EBR	KNL Developments Inc.	Lot 6 (Concession 3) and 7 (Concession 2 &3), March Township CITY OF OTTAWA Kanata	ON	
ECA	Longwood Building Corporation	Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front	Ottawa ON	K1J 9H8
ECA	Humanics Universal Inc.	Part of Lot 7	Ottawa ON	K4A 1Z6
GEN	GOLDER ASSOCIATES INC.	ABBOTSFORD ROAD	OTTAWA ON	K2L 1C6
NEES	CN RAIL		OTTAWA ON	
OPCB	ONTARIO HYDRO - KANATA	SOUTH MARCH TS LOT 7, CONC. 3	KANATA ON	

PTTW	Lafarge Canada Inc.	Lot 7, 8, and 9, Concession 6, Township of Cumberland, City of Ottawa CUMBERLAND	ON
PTTW	6980848 Canada Corporation	Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE	ON
SPL	PUC	MARCHWOOD TRANSFORMER STATION ON STATION ROAD TRANSFER STATION	KANATA CITY ON
SPL	CANADIAN NATIONAL RAILWAY	WAKELY RAIL YARD C.N.R. TRAIN	OTTAWA CITY ON
SPL	CANADIAN NATIONAL RAILWAY	STORAGE TANKS	OTTAWA CITY ON
WWIS		lot 7	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 6	ON

Unplottable Report

Site:
Lot 6 Con 3 Kanata ON

Database:
AAGR

Type:	Quarry
Region/County:	Ottawa-Carleton
Township:	Kanata
Concession:	3
Lot:	6
Size (ha):	2.25
Landuse:	
Comments:	

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #:	1760-4W5ML6
Application Year:	01
Issue Date:	4/25/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	KNL Developments Inc.
Client Address:	222 Somerset Street West, Suite 300
Client City:	Ottawa
Client Postal Code:	K2P 2G3
Project Description:	Watermains to be constructed on Witherspoon Crescent
Contaminants:	
Emission Control:	

Site: ***1374421 Ontario Ltd.***
North Part of Lot 6, Concession III Ottawa ON

Database:
CA

Certificate #:	1907-62VS2P
Application Year:	2004
Issue Date:	7/21/2004
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: ***Longwood Building Corporation***
Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front Ottawa ON

Database:
CA

Certificate #:	7831-6FARGB
Application Year:	2005
Issue Date:	8/26/2005
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: ***1374421 Ontario Ltd.***
North Part of Lot 6, Concession III Ottawa ON

Database: ***CA***

Certificate #: 7248-6M3NHQ
Application Year: 2006
Issue Date: 2/17/2006
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: ***1250353 Ontario Limited***
Part of Lot 6, Concession 2 and 3, Rideau Ottawa ON

Database: ***CA***

Certificate #: 9386-674PJH
Application Year: 2004
Issue Date: 12/16/2004
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***ONTARIO HYDRO, SOUTH MARCH TS***
LOT 7, CONC, 3 KANATA CITY ON

Database: ***CA***

Certificate #: 4-0070-97-
Application Year: 97
Issue Date: 7/17/1997
Approval Type: Industrial wastewater
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: SPILL CONT. FOR TRANSFORMERS T1 & T2
Contaminants:
Emission Control:

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database: ***CA***

Certificate #: 5772-4W5M6D
Application Year: 01

Issue Date: 4/25/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Storm and sanitary sewers to be constructed on Witherspoon Crescent
Contaminants:
Emission Control:

Site: ***GOLDER ASSOCIATES LIMITED***
SAWMILL RIDGE SUBD., MAC ST. OTTAWA CITY ON

Database: ***CA***

Certificate #: 8-4177-97-
Application Year: 97
Issue Date: 10/15/1997
Approval Type: Industrial air
Status:
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: AIR SPARGING T-MENT OF BTEX CONT.G-WATER
Contaminants:
Emission Control:

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database: ***CA***

Certificate #: 6816-54HQ5P
Application Year: 01
Issue Date: 11/16/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Sanitary Sewers including appurtenances from approximately 50m west of Ironside Court to the Goulbourn Forced Road to serve the Kanata Lakes Subdivision, City of Ottawa
Contaminants:
Emission Control:

Site: ***Longwood Building Corporation***
Part of Lot 6, Between Concession 2 & 3 Ottawa ON

Database: ***CA***

Certificate #: 6229-6EQGQE
Application Year: 2005
Issue Date: 7/28/2005
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: ***Golder Associates Ltd.***
19311935 Robertson Road Ottawa K2H 5B9 CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No:	012-2926	***Decision Posted:***	
Ministry Ref No:	6895-9PJHS5	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:	821734627	***Act 1:***	
Notice Date:	February 08, 2016	***Act 2:***	
Proposal Date:	October 31, 2014	***Site Location Map:***	
Year:	2014		
Instrument Type:	(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)		
Off Instrument Name:			
Posted By:			
Company Name:	Golder Associates Ltd.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	1931 Robertson Road, Ottawa Ontario, Canada K2H 5B9		
Comment Period:			
URL:			

Site Location Details:

19311935 Robertson Road Ottawa K2H 5B9 CITY OF OTTAWA

Site: ***KNL Developments Inc.***
Lot 6 (Concession 3) and 7 (Concession 2 &3), March Township CITY OF OTTAWA Kanata ON

Database: ***EBR***

EBR Registry No:	011-5554	***Decision Posted:***	
Ministry Ref No:	MNR INST 04/12	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:	803954542	***Act 1:***	
Notice Date:	June 21, 2012	***Act 2:***	
Proposal Date:	February 01, 2012	***Site Location Map:***	
Year:	2012		
Instrument Type:	(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species		
Off Instrument Name:			
Posted By:			
Company Name:	KNL Developments Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	2193 Arch Street, Ottawa Ontario, Canada K1G 2H5		
Comment Period:			
URL:			

Site Location Details:

Lot 6 (Concession 3) and 7 (Concession 2 &3), March Township CITY OF OTTAWA Kanata

Site: ***Longwood Building Corporation***
Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front Ottawa ON K1J 9H8

Database: ***ECA***

Approval No:	7831-6FARGB	***MOE District:***	
Approval Date:	2005-08-26	***City:***	
Status:	Revoked and/or Replaced	***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		
Address:	Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9514-6ENNP8-14.pdf		

Site: ***Humanics Universal Inc.***
Part of Lot 7 Ottawa ON K4A 1Z6

Database: ***ECA***

Approval No:	2541-AK4T53	***MOE District:***	
Approval Date:	2017-03-30	***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		
Address:	Part of Lot 7		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf		

Site: ***GOLDER ASSOCIATES INC.***
ABBOTSFORD ROAD OTTAWA ON K2L 1C6

Database: ***GEN***

Generator No:	ON6252247	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2014	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	
MHSW Facility:	No	***Phone No Admin:***	
SIC Code:	237990		
SIC Description:	OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION		

Detail(s)

Waste Class:	221
Waste Class Desc:	LIGHT FUELS

Site: ***CN RAIL***
OTTAWA ON

Database: ***NEES***

Incident Date:	8/21/85
Contaminant:	fuel 4,5
Amount:	0.1
Units:	Tonnes (Metric)
Quantity:	
Cause:	Unknown
Source:	Unknown
Reason:	Unknown
Sector:	Transportation

Site: ***ONTARIO HYDRO - KANATA***
SOUTH MARCH TS LOT 7, CONC. 3 KANATA ON

Database: ***OPCB***

Year:	1992
Site Number:	40288A264
Name Owner:	
Additional Site Information:	

Site: ***Lafarge Canada Inc.***
Lot 7, 8, and 9, Concession 6, Township of Cumberland, City of Ottawa CUMBERLAND ON

Database: ***PTTW***

EBR Registry No:	010-8706	***Decision Posted:***	
Ministry Ref No:	3610-7Z7MVQ	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	May 20, 2010	***Act 2:***	
Proposal Date:	December 29, 2009	***Site Location Map:***	

Year: 2009
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Lafarge Canada Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: Construction Materials Division, 7880 Keele Street, Concord Ontario, Canada L4K4G7
Comment Period:
URL:

Site Location Details:

Lot 7, 8, and 9, Concession 6, Township of Cumberland, City of Ottawa CUMBERLAND

Site: ***6980848 Canada Corporation***
Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE ON

Database: ***PTTW***

EBR Registry No: 011-1038
Ministry Ref No: 3333-88PNVZ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 02, 2014
Proposal Date: August 26, 2010
Year: 2010
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 6980848 Canada Corporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 6598 Pebble Trail Way, Ottawa Ontario, Canada K4P 0B6
Comment Period:
URL:

Site Location Details:

Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE

Site: ***PUC***
MARCHWOOD TRANSFORMER STATION ON STATION ROAD TRANSFER STATION KANATA CITY ON

Database: ***SPL***

Ref No: 37209
Site No:
Incident Dt: 7/4/1990
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: POSSIBLE
Nature of Impact: Human health
Receiving Medium: AIR
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/4/1990
Dt Document Closed:
Incident Reason: FIRE/EXPLOSION
Site Name:
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: FIRE DEPT.
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site County/District:
Site Geo Ref Meth:
Incident Summary: KANATA PUC - TRANSFORMER STATION ON FIRE, MAX 20000 L. TRANSF. OIL
Contaminant Qty:

Site: ***CANADIAN NATIONAL RAILWAY***
WAKELY RAIL YARD C.N.R. TRAIN OTTAWA CITY ON

Database: ***SPL***

Ref No:	36280	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	6/15/1990	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CONTAINER LEAK	**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:**	20101
Nature of Impact:	Human health	**Site Lot:**	
Receiving Medium:	AIR	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	E.P.S.
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/15/1990	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	WELD/SEAM FAILURE	**Source Type:**	

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: C.N.R. TANK CAR- PETROLEUM GAS TO ATMOSPHERE.
Contaminant Qty:

Site: ***CANADIAN NATIONAL RAILWAY***
STORAGE TANKS OTTAWA CITY ON

Database: ***SPL***

Ref No:	32199	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	3/16/1990	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CONTAINER LEAK	**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:**	20101
Nature of Impact:	Water course or lake	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	EPS, OTTAWA, NATIONAL TRANSPORT
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	3/16/1990	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CN RAIL - 900L OIL TO WALKLEY YARD
Contaminant Qty:

Site:
lot 7 ON

Database: ***WWIS***

Well ID: 1525909
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92147
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: 12/6/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 007
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047644
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/13/1991
Remarks:
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: 931062640
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062641
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 63
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596214
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083443
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083444
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525909
Pump Set At:
Static Level: 8
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 15
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: N

Draw Down & Recovery

Pump Test Detail ID: 934649845
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907460
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389319
Test Type:
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105685
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933485042
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 58
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID: 1525910
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92153
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: 12/6/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 007
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10047645	***Elevation:***	
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/20/1991	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	931062643
Layer:	2
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	62
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931062642
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10596215
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 930083446
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083445
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525910
Pump Set At:
Static Level: 8
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 15
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: N

Draw Down & Recovery

Pump Test Detail ID: 934105686
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650264
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907461
Test Type:
Test Duration: 60

Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389320
Test Type:
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933485044
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 58
Water Found Depth UOM: ft

Water Details

Water ID: 933485043
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 1535511
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z17640
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:
Date Received: 5/28/2005
Selected Flag: Yes
Abandonment Rec:
Contractor: 6907
Form Version: 3
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: 15000
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316050
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 4/11/2005
Remarks:
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method: na

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11330905
Casing No: 1
Comment:
Alt Name:

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 1525617
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 108228
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: 9/12/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 4879
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047352
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/22/1991
Remarks:
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: 931061806

Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 02
Other Materials: TOPSOIL
Mat3:
Other Materials:
Formation Top Depth: 1
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061805
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061808
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061809
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Other Materials: FRACTURED
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061810
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 18
Other Materials: SANDSTONE
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 12
Formation End Depth: 148
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061807
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 8
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111336
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595922
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082886
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 148
Casing Diameter: 6
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082885
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525617
Pump Set At:
Static Level: 69
Final Level After Pumping: 147
Recommended Pump Depth: 135
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
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: N

Draw Down & Recovery

Pump Test Detail ID: 934104576
Test Type: Recovery
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906371
Test Type: Recovery
Test Duration: 60
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649191
Test Type: Recovery
Test Duration: 45
Test Level: 71
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388234
Test Type: Recovery
Test Duration: 30
Test Level: 72
Test Level UOM: ft

Water Details

Water ID:	933484662
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	89
Water Found Depth UOM:	ft

Water Details

Water ID:	933484661
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	42
Water Found Depth UOM:	ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	1525286	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/16/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	68492	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10047026	***Elevation:***	
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/18/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	931060687
Layer:	1
Color:	2

General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060688
Layer: 2
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 285
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595596
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082326
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082327
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 285
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991525286
Pump Set At:	
Static Level:	40
Final Level After Pumping:	250
Recommended Pump Depth:	250
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	10
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934387104
Test Type:	
Test Duration:	30
Test Level:	250
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905248
Test Type:	
Test Duration:	60
Test Level:	250
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648068
Test Type:	
Test Duration:	45
Test Level:	250
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111700
Test Type:	
Test Duration:	15
Test Level:	250
Test Level UOM:	ft

Water Details

Water ID:	933484238
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	280
Water Found Depth UOM:	ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1524618	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Cooling And A/C	***Date Received:***	6/21/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	84331	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10046366	***Elevation:***	
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/13/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	931058527
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931058526
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	08
Other Materials:	FINE SAND

Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931058525
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594936
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081182
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 1526923
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 126362
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 12/20/1992
Selected Flag: Yes
Abandonment Rec:
Contractor: 3323
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048611
DP2BR: 42
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/4/1991
Remarks:
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: 931065557
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 42
Formation End Depth: 150
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065556
Layer: 1
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 42
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112060
Layer: 1
Plug From: 5

Plug To: 44
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10597181
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085077
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 44
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526923
Pump Set At:
Static Level: 12
Final Level After Pumping: 120
Recommended Pump Depth: 130
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
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: N

Draw Down & Recovery

Pump Test Detail ID: 934109083
Test Type: Recovery
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392717
Test Type: Recovery
Test Duration: 30
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934653647
Test Type:	Recovery
Test Duration:	45
Test Level:	12
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934910839
Test Type:	Recovery
Test Duration:	60
Test Level:	12
Test Level UOM:	ft

Water Details

Water ID:	933486392
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	145
Water Found Depth UOM:	ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	1527317	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/11/1993
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3323
Casing Material:		***Form Version:***	1
Audit No:	126443	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10048980	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/4/1991	***UTMRC Desc:***	unknown UTM
Remarks:		***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: 931066347
Layer: 3
Color: 2
General Color: GREY
Mat1: 12
Most Common Material: STONES
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 41
Formation End Depth: 150
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066345
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 39
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066346
Layer: 2
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 39
Formation End Depth: 41
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112375
Layer: 1
Plug From: 44
Plug To: 6
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5

Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10597550
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085522
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 44
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991527317
Pump Set At:
Static Level: 18
Final Level After Pumping: 150
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
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: N

Draw Down & Recovery

Pump Test Detail ID: 934384986
Test Type: Recovery
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654311
Test Type: Recovery
Test Duration: 45
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903104
Test Type: Recovery
Test Duration: 60
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934110167
Test Type:	Recovery
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Water Details

Water ID:	933486755
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	145
Water Found Depth UOM:	ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	1500388	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/26/1948
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1107
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	JG
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10022433	***Elevation:***	
DP2BR:	25	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/14/1947	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	930989142
Layer:	3
Color:	
General Color:	

Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989141
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989140
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989143
Layer: 4
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 59
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1

Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10571003
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037801
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 59
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037800
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500388
Pump Set At:
Static Level: 1
Final Level After Pumping: 1
Recommended Pump Depth:
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
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: N

Water Details

Water ID: 933452905
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 59
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1519895	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/18/1985
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10041748	***Elevation:***	
DP2BR:	6	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	y	***East83:***	
Code OB Desc:	Unknown type (bedrock encountered)	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/2/1985	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	931043078
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931043081
Layer:	4
Color:	
General Color:	
Mat1:	00
Most Common Material:	UNKNOWN TYPE
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 76
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043079
Layer: 2
Color: 6
General Color: BROWN
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043080
Layer: 3
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 13
Formation End Depth: 20
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933108937
Layer: 1
Plug From: 0
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10590318
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072888
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930072889
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519895
Pump Set At:
Static Level: 15
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 75
Flowing Rate:
Recommended Pump Rate: 15
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: N

Draw Down & Recovery

Pump Test Detail ID: 934376153
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654343
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109769
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895240
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933476997
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 66
Water Found Depth UOM: ft

Water Details

Water ID: 933476995
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 46
Water Found Depth UOM: ft

Water Details

Water ID: 933476996
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 58
Water Found Depth UOM: ft

Water Details

Water ID: 933476998
Layer: 4
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1520594
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src: 1
Date Received: 7/21/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042436
DP2BR: 21
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/20/1986
Remarks:
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: 931045256
Layer: 5
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 21
Other Materials: GRANITE
Mat3: 73
Other Materials: HARD
Formation Top Depth: 45
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045258
Layer: 7
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 46
Other Materials: QUARTZ
Mat3: 73
Other Materials: HARD
Formation Top Depth: 70
Formation End Depth: 105
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045255
Layer: 4
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Other Materials: HARD

Mat3:
Other Materials:
Formation Top Depth: 21
Formation End Depth: 45
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045257
Layer: 6
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 58
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045252
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Other Materials: DENSE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045253
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 00
Other Materials: UNKNOWN TYPE
Mat3:
Other Materials:
Formation Top Depth: 13
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045254
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 21
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109165
Layer: 1
Plug From: 0
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591006
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074068
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 105
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930074067
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520594
Pump Set At:
Static Level: 4
Final Level After Pumping: 95
Recommended Pump Depth: 95
Pumping Rate: 8
Flowing Rate:

Recommended Pump Rate: 8
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: N

Draw Down & Recovery

Pump Test Detail ID: 934906149
Test Type: Draw Down
Test Duration: 60
Test Level: 95
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387344
Test Type: Draw Down
Test Duration: 30
Test Level: 95
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648367
Test Type: Draw Down
Test Duration: 45
Test Level: 95
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112481
Test Type: Draw Down
Test Duration: 15
Test Level: 95
Test Level UOM: ft

Water Details

Water ID: 933477881
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 93
Water Found Depth UOM: ft

Water Details

Water ID: 933477880
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

Site:
lot 7 ON

Database: ***WWIS***

Well ID: 1524137 ***Data Entry Status:***

Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/26/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	56269	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045909	***Elevation:***	
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/22/1989	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	931056968
Layer:	2
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	63
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931056967
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594479
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080371
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080372
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524137
Pump Set At:
Static Level: 10
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 10
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: N

Draw Down & Recovery

Pump Test Detail ID: 934107718
Test Type:
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391947
Test Type:
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652497
Test Type:
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910117
Test Type:
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933482680
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 56
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1533889
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 263120
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: 7/9/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10543004
DP2BR: 0
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 4/10/2003
Remarks:
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: 932924516
Layer: 1
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2: 11
Other Materials: GRAVEL
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924517
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 22
Formation End Depth: 150
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933240788
Layer: 1
Plug From: 0
Plug To: 27
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11091574
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930097805
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930097806
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533889
Pump Set At:
Static Level: 16
Final Level After Pumping: 130
Recommended Pump Depth: 130
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934656598
Test Type: Draw Down
Test Duration: 45
Test Level: 130
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396638
Test Type: Draw Down
Test Duration: 30
Test Level: 130

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914045
Test Type: Draw Down
Test Duration: 60
Test Level: 130
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113024
Test Type: Draw Down
Test Duration: 15
Test Level: 130
Test Level UOM: ft

Water Details

Water ID: 934036708
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 127
Water Found Depth UOM: ft

Water Details

Water ID: 934036707
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID: 1533265
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 248488
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: 10/11/2002
Selected Flag: Yes
Abandonment Rec:
Contractor: 3323
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 007
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10530012
DP2BR: 5
Spatial Status:

Elevation:
Elevrc:
Zone: 18

Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/26/2002
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932880613
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932880614
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932880615
Layer: 3
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 80
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933230332
Layer: 1
Plug From: 0
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 11078582
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930096578
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533265
Pump Set At:
Static Level: 20
Final Level After Pumping: 80
Recommended Pump Depth: 40
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate: 20
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: N

Draw Down & Recovery

Pump Test Detail ID: 934394469
Test Type: Recovery
Test Duration: 30
Test Level: 22
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934911319
Test Type: Recovery

Test Duration: 60
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934663751
Test Type: Recovery
Test Duration: 45
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934119617
Test Type: Recovery
Test Duration: 15
Test Level: 28
Test Level UOM: ft

Water Details

Water ID: 934022683
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35
Water Found Depth UOM: ft

Water Details

Water ID: 934022684
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 75
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1532010
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 223506
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: 6/25/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 3323
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10053543
Elevation:

DP2BR: 4
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/13/2001
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931080183
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931080184
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 60
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933117137
Layer: 1
Plug From: 0
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10602113
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930093910
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991532010
Pump Set At:
Static Level: 7
Final Level After Pumping: 60
Recommended Pump Depth: 40
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 20
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: N

Draw Down & Recovery

Pump Test Detail ID: 934398244
Test Type: Recovery
Test Duration: 30
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934115184
Test Type: Recovery
Test Duration: 15
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934659320
Test Type: Recovery
Test Duration: 45
Test Level: 7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934916625

Test Type: Recovery
Test Duration: 60
Test Level: 7
Test Level UOM: ft

Water Details

Water ID: 933492690
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 55
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1528730
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 153018
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: 9/21/1995
Selected Flag: Yes
Abandonment Rec:
Contractor: 3323
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050266
DP2BR: 3
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/14/1995
Remarks:
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: 931070615
Layer: 3
Color: 7
General Color: RED
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:

Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070614
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070613
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113670
Layer: 1
Plug From: 7
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10598836
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087845
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528730
Pump Set At:
Static Level: 6
Final Level After Pumping: 100
Recommended Pump Depth: 85
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
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: N

Draw Down & Recovery

Pump Test Detail ID: 934105225
Test Type: Recovery
Test Duration: 15
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388851
Test Type: Recovery
Test Duration: 30
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649368
Test Type: Recovery
Test Duration: 45
Test Level: 11
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906550
Test Type: Recovery
Test Duration: 60
Test Level: 6
Test Level UOM: ft

Water Details

Water ID: 933488551

Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 95
Water Found Depth UOM: ft

Water Details

Water ID: 933488549
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

Water Details

Water ID: 933488550
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 75
Water Found Depth UOM: ft

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 1528581
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 153255
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: 8/23/1995
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050117
DP2BR: 4
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/26/1995
Remarks:
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: 931070095
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070096
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 42
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113491
Layer: 1
Plug From: 2
Plug To: 24
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10598687
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087601
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 22

Casing Diameter: 9
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930087600
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930087602
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 42
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528581
Pump Set At:
Static Level: 16
Final Level After Pumping: 30
Recommended Pump Depth: 30
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 18
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: N

Draw Down & Recovery

Pump Test Detail ID: 934388365
Test Type: Draw Down
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934104740
Test Type: Draw Down
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906485
Test Type: Draw Down
Test Duration: 60
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649303
Test Type: Draw Down
Test Duration: 45
Test Level: 30
Test Level UOM: ft

Water Details

Water ID: 933488321
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 31
Water Found Depth UOM: ft

Water Details

Water ID: 933488322
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 32
Water Found Depth UOM: ft

Water Details

Water ID: 933488323
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 35
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1527853
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 110546
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: 4/5/1994
Selected Flag: Yes
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10049436	***Elevation:***	
DP2BR:	4	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/16/1993	***UTMRC Desc:***	unknown UTM
Remarks:		***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:	931067894
Layer:	3
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	20
Other Materials:	QUARTZITE
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	47
Formation End Depth:	75
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931067892
Layer:	1
Color:	
General Color:	
Mat1:	01
Most Common Material:	FILL
Mat2:	79
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931067893
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	47

Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112764
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10598006
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086368
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 75
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930086367
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991527853
Pump Set At:
Static Level: 1
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 10
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: N

Water Details

Water ID: 933487411
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 67
Water Found Depth UOM: ft

Water Details

Water ID: 933487410
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 51
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 2019

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-Jan 31, 2020

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 2017

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: Feb 28, 2017

Chemical Register: 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

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 - Feb 2020

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-Dec 2019

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-Apr 30, 2020

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 2019

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-May 31, 2020

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-Apr 30, 2020

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-May 31, 2020

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-Jan 31, 2020

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 or 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, 2019

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: Feb 28, 2017

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-Apr 2020

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: Feb 28, 2017

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-Jan 31, 2020

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 CO2 eq).

Government Publication Date: 2013-Dec 2017

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 in 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: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will 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-Jan 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, 2018

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-Mar 31, 2020

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.

Government Publication Date: 1988-Feb 29, 2020

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-Jun 2019

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-Apr 30, 2020

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: 1988 - May 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 in 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, 2017

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-Apr 30, 2020

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: 1986-2016

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-Mar 2020

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-Jan 31, 2020

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

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-Nov 2019

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, 2017

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-Aug 2018

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, 2017

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-May 31, 2020

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: Feb 28, 2019

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 E

Ministry of Environment, Conservation and Parks – Freedom of Information (FOI) Request

Ontario

Ministry of the Environment and Climate Change

Freedom of Information and
Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto ON M4V 1M2
Telephone 416 314-4075

Freedom of Information Request

Instructions

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

For Ministry Use Only

FOI Request Number	Date Request Received (yyyy/mm/dd)
Fee Paid	☐ Cheque ☐ VISA/MC ☐ Cash/Money Order

☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ IEB ☐ EAA ☐ EMR ☐ SCB ☐ SDW

1. Requester Data

Last Name	First Name	Middle Initial
Lopers	Luke	A

Title	Company Name
Principal	Lopers & Associates

Mailing Address

Unit Number	Street Number	Street Name	PO Box
	30	Lansfield Way	

City/Town	Province	Postal Code
Ottawa	Ontario	K2G 3V8

Email Address	Telephone Number	Fax Number
Luke@Lopers.ca	613 327-9073 ext.	

Project/Reference Number	Signature of Requester
LOP20-003	

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)

Unit Number	Street Number	Street Name	PO Box
	100	Steacie Drive	

Lot Number	Concession	Geographic Township

City/Town/Village	Province	Postal Code
Ottawa	Ontario	K2K 2A9

Present Property

1. Owner: 3223701 Canada Inc. — Date of Ownership (yyyy/mm/dd): 2019/11/06

   Tenant (if applicable)

Previous Property

1. Owner: Candev Properties Inc. — Date of Ownership (yyyy/mm/dd): 1991/10/21

   Tenant (if applicable)

  Disponible en français

3. Search Parameters

Search Parameters	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	All
Orders	All
Spills	All
Investigations/prosecutions ► Owner and tenant information must be provided	All
Waste Generator number/classes	All

Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

Environmental Compliance Approvals/Certificates of Approval	SD	Specify Year(s) Requested
air - emissions	☑	
renewable energy	☑	
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)	☑	
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations	☑	
waste water - industrial discharge	☑	
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites	☑	
waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction	☑	

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of $300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

Appendix F

Technical Standards and Safety Authority Correspondence

From: Public Information Services
To: Luke Lopers
Subject: RE: TSSA Records Search Request - Environmental Research
Date: June 12, 2020 11:31:30 AM

NO RECORD FOUND (FUEL STORAGE TANKS ONLY)
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 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.
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,
Gaya

From: Luke Lopers <Luke@lopers.ca>
Sent: June 12, 2020 11:02 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Records Search Request - Environmental Research

Good morning,

Could you please search the TSSA database for records of fuel storage tanks, spills, incidents or infractions for the following addresses located in the City of Ottawa **(formerly Kanata)**, ON:

- 62, 100 Steacie Drive
- 40, 41 Station Road
- 250 Walden Drive
- 365 March Road

Thank you for your time,

Luke Lopers, P.Eng.
Principal
LOPERS & ASSOCIATES
Cell: 613-327-9073 Email: Luke@Lopers.ca
30 Lansfield Way, Ottawa, Ontario K2G 3V8

received this message in error, please notify the sender immediately and delete the original message.

Appendix G

City of Ottawa Historic Land Use Inventory (HLUI)

File Number: D06-03-20-0087

June 26, 2020

Luke Lopers
30 Lansfield Way
Ottawa, ON
Sent via email

Dear Mr. Lopers,

Re: Information Request
100 Steacie Drive, 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:

- The subject property is adjacent to 250 Walden, otherwise known as the Kimmins Court Park. The City has environmental records associated with this property.

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There are 8 properties with activity numbers within 250 metres of the subject property. Please see the attached table for more information.

City of Ottawa
Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Téléc: (613) 560-6006
www.ottawa.ca

Please note that certain activities may have been identified to have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

The Environmental Registry found at http://www.ebr.gov.on.ca/ERS-WEB-External/ 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 keys 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 Seana Turkington at 613-580-2424 ext. 27790 or HLUI@ottawa.ca

Sincerely,

Seana Turkington

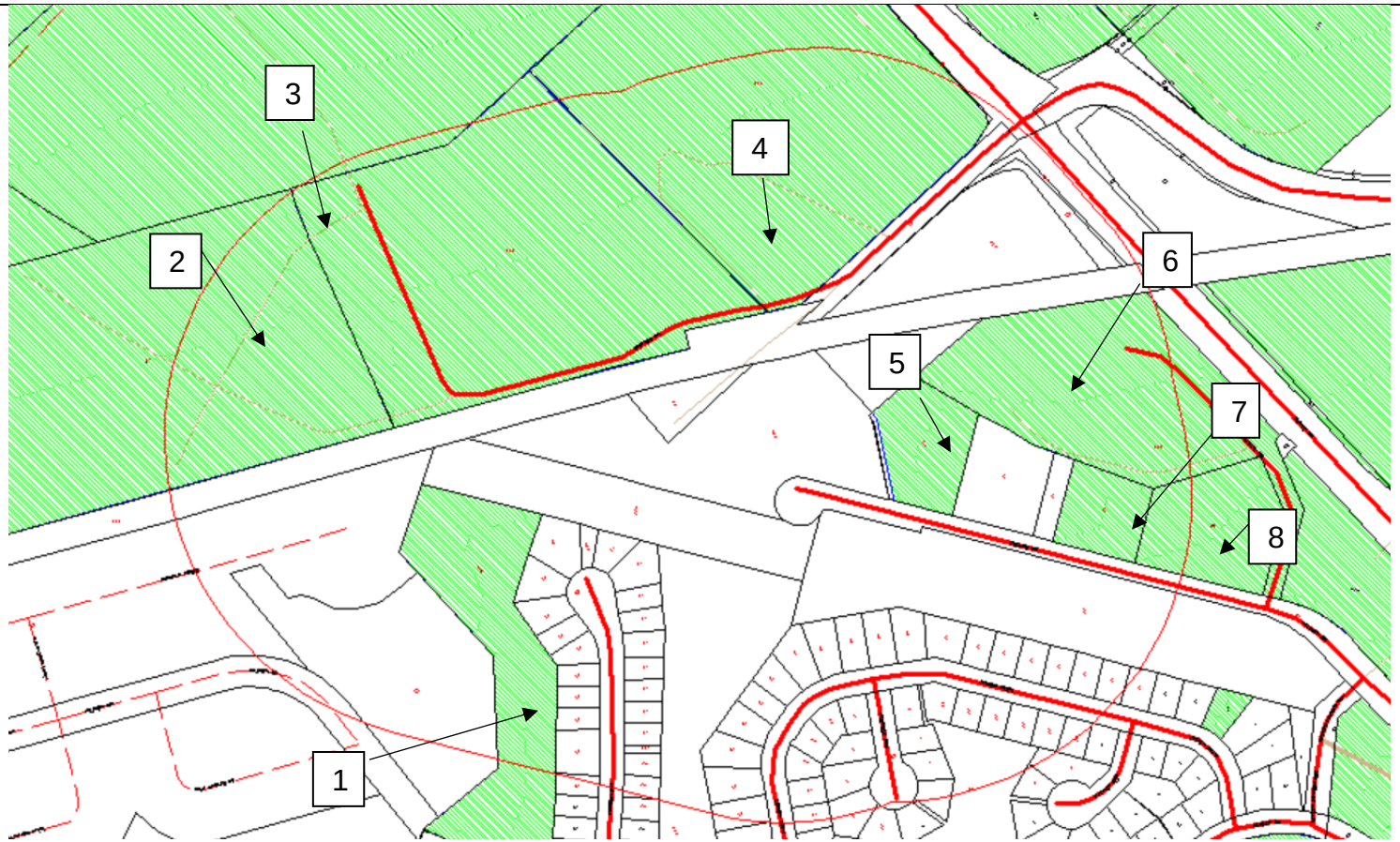
Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB/ ST

Enclosures.

cc: File no. D06-03-20-0087



Scale 1: n/a

100 Steacie Drive
Ottawa, ON
File # D06-03-20-0087
Seana Turkington

Ottawa

Overview

ID# = Area Number

= Subject Site

Historical Land Use Inventory
Adjacent Properties within 250m
Area & Activity Numbers

Shaping our future together
Ensemble, formons notre avenir

City of Ottawa
Planning, Infrastructure and Economic
Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure
et du développement économique

Area	Associated HLUI Activities	HLUI Activities with a PIN Certainty of “2” *
Subject Property	There are no HLUI activities associated with the subject property.	
1	12534	
2	7617	
3	13157, 8891	
4	13157	
5	797, 9642	
6	5003	
7	11543, 3734	
8	15130, 15140, 3733	

*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

Historical Land Use Inventory
Area 1 Activity Numbers

Shaping our future together
Ensemble, formons notre avenir

City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

CITY OF OTTAWA

HLUI ID: __6799B3

AREA (Square Metres): 23208.528

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	045110296	N	N

Activity ID: 12534 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 045110296

Name: SOLAR ELECTRICITY BY MARCH SOLAR

Address: 250 WALDEN DRIVE, KANATA

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
416120	0

Company Name	Year of Operation
SOLAR ELECTRICITY BY MARCH SOLAR	c. 2001

Historical Land Use Inventory
Area 2 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

CITY OF OTTAWA

HLUI ID: __670ISU

AREA (Square Metres): 71261.852

Report: RPTC_OT_DEV0122

Run On: 26 Jun 2020 at: 11:48:30

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045180039	Y	N

Activity ID: 7617 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6331

Related PINS: 045180039

Name: KANATA HYDRO-ELECTRIC COMMISSION

Address: 25 STATION ROAD, KANATA

Facility Type: Electric Power Systems Industry

Comments 1: PART LOT 7, CONCESSION 3, MARCHWOOD M.S

Comments 2:

Generator Number: ON0646404

Storage Tanks:

HL References 1: 1922-DMD-TM Ottawa-Sheet#14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed. KNBPmap 1996; PID1994

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
221113	491
221112	0
221111	491
221122	0
221113	0
221121	0
221122	491
221111	0
221119	491
221112	491
221119	0
221121	491

Company Name	Year of Operation
Unnamed Transformer Station	c. 1967-1985
KANATA HYDRO-ELECTRIC COMMISSION	c. 2000
City of Kanata Hydro Electric Commission	c. 1990-1994
Ontario Hydro Transformer Station	c. 1990

Historical Land Use Inventory
Area 3 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

CITY OF OTTAWA

HLUI ID: __679BMB

AREA (Square Metres): 62147.113

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	045180037	Y	Y

Activity ID: 13157 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6598

Related PINS: 045180037

Name: THERATRONICS INTERNATIONAL LIMITED

Address: 413 MARCH ROAD, KANATA

Facility Type: Machine Shop Industry

Comments 1:

Comments 2:

Generator Number: ON1038900

Storage Tanks:

HL References 1: KNBPmap 1996, 1998 KBD; PID1994

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
621510	868
332710	308
336310	308
332710	0
336350	0
333619	0
333619	308
336310	0
336350	308
621990	868

Company Name	Year of Operation
Theratronics International Ltd.	c. 1994-1998
THERATRONICS INTERNATIONAL LIMITED	c. 2000
Atomic Medical	c. 1994

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	045180037	Y	Y

Activity ID: 8891

Multiple PINS: Y

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 045180037

Name: MDS NORDION

Address: 413 MARCH ROAD, KANATA

Facility Type: Machine Shop Industry

Comments 1:

Comments 2:

Generator Number: ON1141701

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
333619	0
336350	0
336310	0
332710	0

Company Name	Year of Operation
MDS NORDION	c. 2000

Historical Land Use Inventory
Area 4 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

CITY OF OTTAWA

HLUI ID: __670ISZ

AREA (Square Metres): 73040.362

Report: RPTC_OT_DEV0122

Run On: 26 Jun 2020 at: 11:52:12

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045180049	Y	N

Activity ID: 13157 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6598

Related PINS: 045180037

Name: THERATRONICS INTERNATIONAL LIMITED

Address: 413 MARCH ROAD, KANATA

Facility Type: Machine Shop Industry

Comments 1:

Comments 2:

Generator Number: ON1038900

Storage Tanks:

HL References 1: KNBPmap 1996, 1998 KBD; PID1994

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
621510	868
332710	308
336310	308
332710	0
336350	0
333619	0
333619	308
336310	0
336350	308
621990	868

Company Name	Year of Operation
Theratronics International Ltd.	c. 1994-1998
THERATRONICS INTERNATIONAL LIMITED	c. 2000
Atomic Medical	c. 1994

Historical Land Use Inventory
Area 5 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

CITY OF OTTAWA

HLUI ID: __679GO4

AREA (Square Metres): 6601.830

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110005	Y	Y

Activity ID: 797 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6760

Related PINS: 045110005

Name: AMCA INTERNATIONAL LIMITED

Address: 62 STEACIE DRIVE, KANATA

Facility Type: Fabricated Structural Metal Products Industries

Comments 1: GEN# = ON0480500, out of business in 1994

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: PID1994

HL References 2:

HL References 3:

NAICS	SIC
332420	302
332311	302
332319	302

Company Name	Year of Operation
AMCA International Ltd.	c. 1994

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110005	Y	Y

Activity ID: 9462 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6138

Related PINS: 045110005

Name: OPTOTEK LIMITED

Address: 62 STEACIE DRIVE, KANATA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98; 1998 KBD; KNBP Map 1996

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
334210	335
334410	0
334220	335
334511	335
334410	335

Company Name	Year of Operation
Optotek Limited	c. 1996-1998
OPTOTEK LIMITED	c. 2001

Historical Land Use Inventory
Area 6 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110001	Y	N

Activity ID: 5003 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4580

Related PINS: 045110001

Name: DRS TECHNOLOGIES CANADA COMPANY

Address: 365 MARCH ROAD, KANATA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number: ON2304801

Storage Tanks:

HL References 1: SC98, 1986 KP File LHK, 1998 KBD

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
334210	335
334410	335
336410	321
334210	0
334220	335
334511	335
336320	321
334511	0

Company Name	Year of Operation
Spar Aerospace Ltd.	c. 1986-1998
DRS TECHNOLOGIES CANADA COMPANY	c. 2000

Historical Land Use Inventory
Area 7 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

CITY OF OTTAWA

HLUI ID: __679GHB

AREA (Square Metres): 4694.759

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110003	Y	Y

Activity ID: 11543 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6137

Related PINS: 045110003

Name: RELTEK INC.

Address: 44 STEACIE DRIVE, KANATA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3:

NAICS	SIC
334410	335
334220	335
334511	335
334210	335

Company Name	Year of Operation
Reltek Inc.	c. 1998

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110003	Y	Y

Activity ID: 3734 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 045110003

Name: CONTROL MICROSYSTEMS INC.

Address: 48 STEACIE DRIVE,

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
416110	0

Company Name	Year of Operation
CONTROL MICROSYSTEMS INC.	c. 2005

Historical Land Use Inventory
Area 8 Activity Numbers

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City of Ottawa
Planning, Infrastructure and Economic
Development Department

Ville d'Ottawa
Services de la planification, de l'infrastructure
et du développement économique

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110002	Y	Y

Activity ID: 15130 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6622

Related PINS: 045110002

Name: Optical Processing and Computing Consortium

Address: 36 STEACIE DR, KANATA

Facility Type: Research in Optical Processing & Computing

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1998 KBD

HL References 2:

HL References 3:

NAICS	SIC
0	775

Company Name	Year of Operation
Optical Processing and Computing Consortium	c. 1998

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110002	Y	Y

Activity ID: 15140
Multiple PINS: N
PIN Certainty: 1
Previous Activity ID(s) : 6680
Related PINS: 045110002

Name: SYVA
Address: 36 STEACIE DR, KANATA
Facility Type: Manufacurers of Diagnostic Equipment
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: Kanata Industries File LHK Industries, KNBP map 1996
HL References 2:
HL References 3:

NAICS	SIC
0	391

Company Name	Year of Operation
Syva	c. 1985-1996

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045110002	Y	Y

Activity ID: 3733 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6562

Related PINS: 045110002

Name: CONTROL MICROSYSTEMS INC.

Address: 28 STEACIE DRIVE, KANATA

Facility Type: Communication and Other Electronic Equipment Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1998 KBD

HL References 2:

HL References 3:

NAICS	SIC
334110	336
417310	574
334220	335
811210	574
416120	574
334210	335
334410	335
416110	574
443120	574
334511	335
417320	574

Company Name	Year of Operation
Control Microsystems Inc.	c. 1998

Appendix H

Aerial Photographs

1976 Aerial Photograph

1991 Aerial Photograph

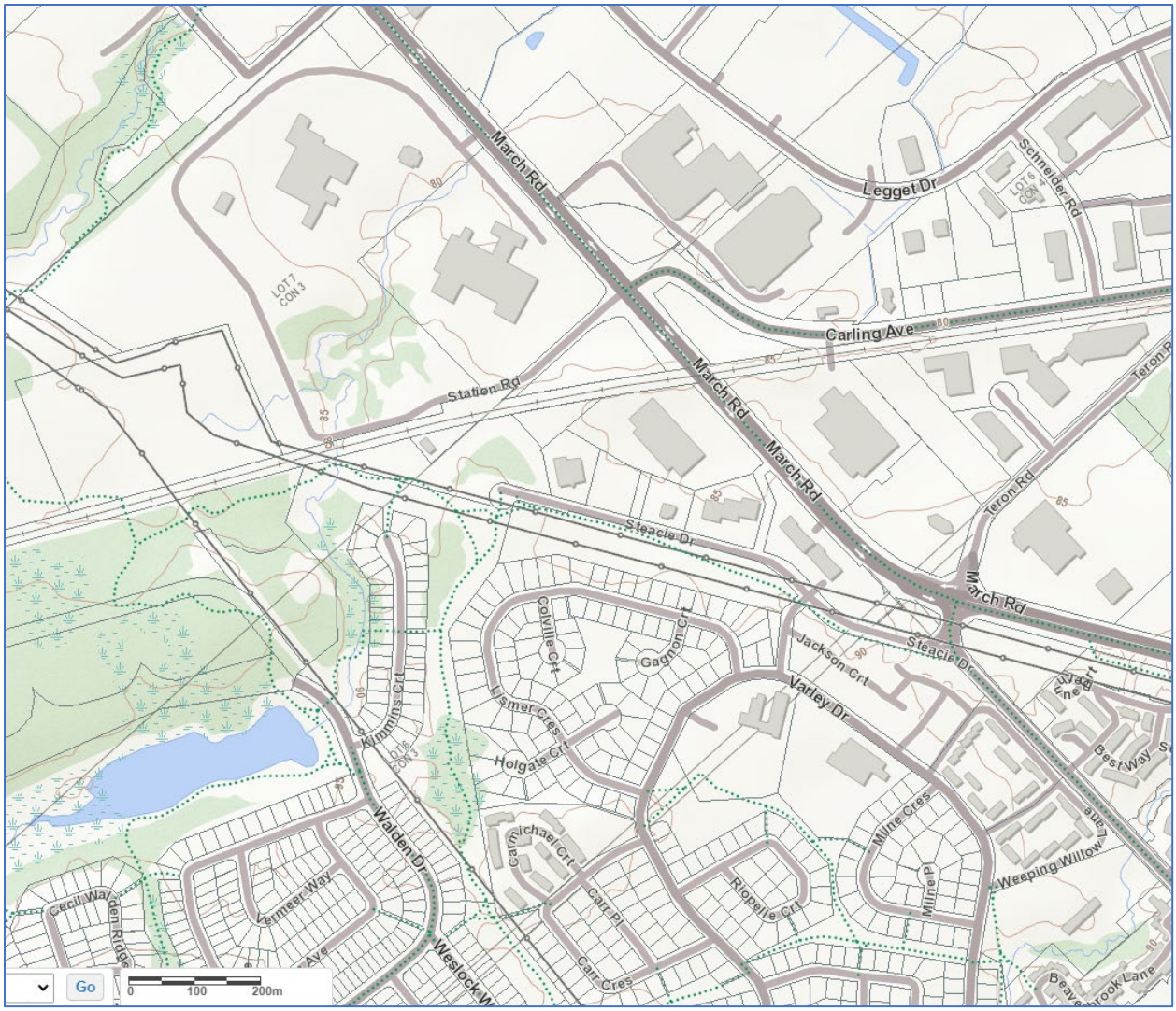
1999 Aerial Photograph

2008 Aerial Photograph

2017 Aerial Photograph

Appendix I

Topographic Map



Topographic Map

Appendix J

Photographic Log

Photograph 1: View of Phase One Property looking west from Steacie Drive. Vegetated state of the Property.

Photograph 2: View of Phase One Property looking north of the east (south) portion of the Property.

Photograph 3: View of the walking path present traversing the central portion of the Phase One Property.

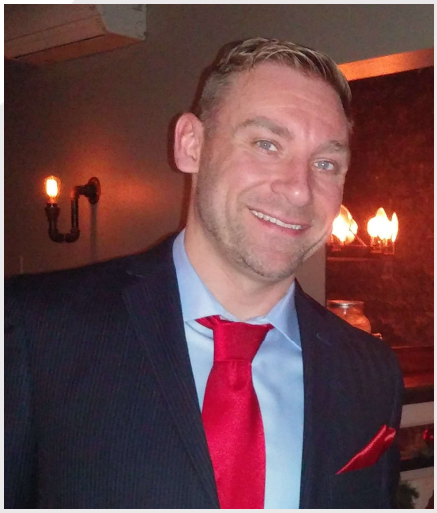
Photograph 4: View of the creek present on the west portion of the Phase One Property.

Photograph 5: View of the adjacent industrial storage property and railway line present to the north of the Phase One Property; view is looking west.

Photograph 6: View of west portion of the Phase One Property looking north.

Appendix K

Qualifications of Assessors



PROFILE

Mr. Lopers is an environmental engineer with over 12 years of experience in environmental engineering specializing in due diligence investigations. Mr. Lopers has extensive experience in Phase I and II Environmental Site Assessments; environmental remediation, and investigations; record of site condition submissions; asset inventory, designated substance surveys and abatement projects; environmental expertise on legal issues; and coordination of various monitoring programs (groundwater, surface water, air).

Mr. Lopers has participated in various Property Condition and Building Envelope mandates at various residential and commercial properties throughout Ontario.

Mr. Lopers has a strong commitment to health and safety, having experience leading a regional health and safety committee as a certified employee representative. Mr. Lopers has extensive training including OSHA 40-hour HAZWOPER, ASP Health and Safety on Construction Sites in Quebec, Ontario Working at Heights, Emergency First Aid/CPR and WHMIS.

CONTACT

EMAIL:
Luke@Lopers.ca

LUKE LOPERS

Principal
LOPERS & ASSOCIATES

EDUCATION

University of Waterloo,
B.A.Sc., Honours Environmental Engineering
Management Science Option Designation - 2002 - 2008

PROFESSIONAL EXPERIENCE

Lopers & Associates, Principal, Project Manager, Senior Environmental Engineer
Ottawa, Ontario - 2020–Present
Responsible for the management, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals

GHD Limited, Project Manager, Senior Environmental Engineer
Ottawa, Ontario - 2013–2020
Responsible for the management, senior technical review, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals
Office Safety Captain and Joint Health and Safety Committee team leader

Paterson Group Inc., Project Manager, Environmental Engineer
Ottawa, Ontario - 2009–2013
Responsible for supervision, completion and review for Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Designated Substance Surveys

NEXT Environmental Inc., Site Investigation Staff
Burnaby, British Columbia - 2008–2009
Responsible for fieldwork and reporting for Stage/Phase I and II Environmental Site Assessments, Environmental Remediation Programs

PROFESSIONAL DESIGNATIONS

Licensed Professional Engineer (P.Eng.) with Professional Engineers Ontario (PEO) since 2012

Qualified Person (QP), Environmental Site Assessments with Ontario Ministry of the Environment, Conservation and Parks

PROJECT EXPERIENCE

Environmental Site Assessments

Project Engineer/Manager
Phase 1 Environmental Site Assessment | Various Clients | Ontario, Quebec and British Columbia | 2006-2020

Project Engineer/Manager for Phase I Environmental Site Assessments in support of acquisition/divestiture/regulatory requirements for various properties in Ontario, Quebec and British Columbia, including the following:

- Canadian Tire Retail Store and Gas Bar, CTR 417 - 2560 Princess Street, Kingston, Ontario
- Former Automotive Dealership and Service Garage, North Vancouver, British Columbia
- Former Philips Cable Plant, Brockville, Ontario
- Former Cornwall Cotton Mill, Cornwall, Ontario
- Retail Fuel Outlet and Automotive Service Garage, Ottawa, Ontario
- Jack Garland Airport Land, North Bay, Ontario
- Various Commercial/Residential Properties, Ontario and British Columbia
- Various Residential Properties, Ontario, Quebec and British Columbia
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Engineer/Manager
Phase Two Environmental Site Assessments | Various Clients | Various Locations | 2008-2020

Project Engineer/Manager for the following field investigation and/or regulatory reporting requirements for Phase II ESAs and other Site Investigations:

- Proposed Canadian Tire Development, CTR 693P - Terry Fox Drive at Eagleson Road, Stittsville, Ontario
- Former Retail/Private Fuel Outlets, Ottawa/North Bay/Vancouver, Canada
- Operational/Former Industrial Facilities, Ottawa/Cornwall/Sarnia/Brockville/Gananoque, Ontario
- Existing Dry Cleaning Facilities, Ottawa/Arnprior, Ontario
- Automotive Service Garages, Ottawa/Vancouver, Canada
- Various Commercial/Residential Properties, Eastern Ontario
- Tetrachloroethylene Groundwater Plume, Commercial Property, Ottawa, Ontario
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Manager
Phase One, Phase Two Environmental Site Assessments, Environmental Delineation Quality Assurance Program | Costco Wholesale | Ottawa, ON | 2014-2019

Project Manager for the completion of a Phase One ESA for the potential acquisition of a commercial property. Upon discovery of APECs at the Site and significant data gaps in previous investigations, completed a Phase Two ESA to evaluate soil and groundwater quality at the Site. Further oversight of original owner's environmental consultants was completed to ensure adequate delineation and characterization of a dNAPL groundwater plume at the Site, present at significant depths in shale bedrock, which originated as a result of a former on-Site dry-cleaning operation.

Environmental Remediation Programs

Project Engineer
Underground Fuel Storage Tank Removals and Environmental Remediation Programs in Vicinity of Active Underground Services | Ottawa, ON | 2010, 2012

Project Engineer for removal of underground heating oil storage tanks adjacent to residential buildings. Completed excavation supervision of contaminated soil around and below active underground services, including hydro, water and natural gas infrastructure at residential properties. Activities included oversight of removal of petroleum, impacted soil, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Prepared Phase I, II and III Environmental Site Assessment reports.

Project Engineer
Retail Fuel Outlet Decommissioning and Remediation | Ottawa, ON | 2012

Project Engineer for UST removal and confirmatory soil sampling at former ESSO gas station in Ottawa, Ontario. Activities included oversight of removal of USTs and product lines, oversight of removal of petroleum-impacted soil and groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis.

Project Engineer/Manager
Former Fuel Outlet Investigation and Remediation | Merrickville, ON | 2016-2017

Project Engineer for confirmatory soil and groundwater sampling following UST removal at former Shell gas station. Activities included oversight of removal of petroleum-impacted soil, pumping of groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Additional borehole/monitoring well drilling also completed.

Record of Site Conditions

Project Manager/Engineer
Residential Redevelopment | Environmental Remediation Program and Record of Site Condition Submission | Ottawa | 2015

Project Manager for delineation of soil contamination and groundwater sampling for a former automotive garage and gas station property in Ottawa, Ontario. Presented and implemented remedial action plan to remediate on-Site contamination. Directed staff in collection of post remediation confirmatory soil and groundwater samples for contaminants of concern. Prepared remediation closure report and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Project Manager/Engineer
Industrial Development | Environmental Assessment and Record of Site Condition Submission | Township of Edwardsburgh/Cardinal | 2015

Project Manager for environmental assessments for a proposed industrial business park, in an existing industrial area within the Township of Edwardsburgh/Cardinal, Ontario. Prepared environmental assessment reports and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Excess Soil Management

Project Engineer/Manager
Management of Excess Soil | CTREL, Brigil, Ottawa Community Housing Corporation | Ottawa and Pembroke, Ontario | 2016, 2018

Project Engineer/Manager for sampling, analytical testing, development of soil management plans and monitoring during removal of excess soil generated as part of construction activities, including the following properties/facilities:

- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario
- Residential redevelopment, 121 Parkdale Avenue, Ottawa, Ontario
- CTR 079, 1104 Pembroke Street East, Pembroke, Ontario
- CTR 297, 2010 Ogilvie Road, Ottawa, Ontario

Designated Substance Surveys

Project Manager

Designated Substance Surveys and Hazardous Building Materials Assessment | Ottawa, Pembroke, Southeastern Ontario | 2010-2020

Project Manager for asbestos containing material (ACM) surveys, designated substance surveys (DSSs), Hazardous Building Materials Assessments (HBMAs) or mould assessments at the following sites:

- DSSs at various municipal facilities for the City of Pembroke, Pembroke, Ontario. Preparation of Asbestos Management Plan.
- HBMAs 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.
- DSS and abatement oversight during demolition, residential buildings (townhouses) for Ottawa Community Housing Corporation, 818 Gladstone Avenue, Ottawa, Ontario.

Environmental Litigation Support

Project Manager, Field Engineer, Expert Witness

Ottawa, Ontario | 2014-2020

Project Manager, Field Engineer and Expert Witness for a fuel spill, remediation program, groundwater monitoring program and litigation review for redevelopment of a residential property adjacent to a central heating plant at an institutional facility.

DON PLENDERLEITH

Senior Environmental Engineer and Project Manager

Education

BEng Geological Engineering, École Polytechnique de Montreal, Montreal, Quebec, 1990

MSc Geophysics, University of British Columbia, Vancouver, British Columbia, 1983

BSc Geophysics, Honours, University of British Columbia, Vancouver, British Columbia, 1980

Certifications

Registered as PMP with Project Management Institute since 2012, requalified in 2018

Qualified Person (QP) for Environmental Site Assessments with Ontario Ministry of Environment and Conservation and Parks

Professional Affiliations

Licensed as P.Eng. with the Professional Engineers of Ontario (PEO) since 1994

Licensed as Ing. with l'Ordre des ingénieurs du Québec (OIQ), 1992

Licensed as P.Eng. with NAPEG (NWT and Nunavut), since 2009.

Licensed as P.Eng with Engineers Yukon since 2018

Federal Clearance Level

Secret ID # 95251065

PROFESSIONAL SUMMARY

Mr. Plenderleith has been an environmental engineer for 30 years. From 1990 to 2000 he worked at specialty firms in Montreal and Ottawa where he gained field and reporting experience in site assessment and remediation of retail fuel outlets and railway yards. In 1991 and 1992 he worked on a CIDA sponsored project to assess additional water resource potential in two provinces in Indonesia. He worked for Golder for 19 years on projects in Ottawa, the North and overseas.

His expertise covers all steps in contaminated site management: Phase I, II and III environmental site assessments (ESAs), risk assessments, remedial options evaluations, remedial action plans, tender plans and specifications, remediation project oversight, long-term monitoring and project closure. He has largely concentrated on federal sites since 2002 and was Golder's initial point of contact on the Environmental Standing Offer Agreement with PSPC in the National Capital over that time.

Don led Golder's national client service team for Federal government and was responsible to Golder's management for maintaining strong relations with the federal government. Locally, he provided project management and technical direction of a variety of environmental projects from the Ottawa office. Don mentored several junior professionals. His site portfolio included: military bases, Northern sites, navigational sites, correctional facilities, research labs, commercial buildings and Canadian embassies abroad. On several multi-year projects (Kingston Penitentiary and Connaught Ranges landfill) he directed all steps of site management from initial investigations, through to site closure.

Don is equally experienced at providing strategic and portfolio-level assistance to clients as well as site-specific level work. He has written contaminated sites management plans for several federal Departments. He helped to develop components of the FCSAP project manager's tool kit and has trained federal project managers in its use. He has provided program-level assistance to the FCSAP Secretariat for funding demand forecasting and long-term strategy and risk management. For nine years he led a multi-disciplinary team that performed contaminated site liability peer reviews for the Office of the Auditor General of Canada.

Don completed his engineering degree in French and is licensed to practice in Quebec. He frequently coordinates the French language component at bilingual meetings and workshops.

PROJECT EXPERIENCE – STANDING OFFER MANAGER

Public Services and Procurement Canada, National Capital Region, Environmental Engineering Standing Offer (2002-2019).

Don managed Golder's Environmental Standing Offer Agreement (SOA) with PSPC in the National Capital Region from 2002 to 2019. He was the first point of contact with PSPC for new call-ups. He formed project teams from the approved resources and reviewed the work plans under each call-up. He was responsible and accountable for Golder's overall project performance to PSPC.

PROJECT EXPERIENCE – SENIOR PROJECT MANAGER

Phase I, II, and III and Remediation at Pittsburgh Institution and Kingston Penitentiary for PSPC/CSC near Kingston, Ontario

Environmental Site Assessment, Remediation Planning and Implementation for the Pittsburgh Institution and Kingston Penitentiary, Kingston, Ontario from 2007 to 2015 - Don was the Senior Project Manager and project reviewer for the Phase I, II and III of contaminated sites on two similar projects at these federal penitentiaries. Don performed project management and provided technical direction during the full suite of services from site assessment through to remediation. Federal project management tools, and FCSAP technical tools (GOST) were used to assist with procedural compliance. Don assisted PSPC with the tender specification for both remediation projects and performed on-site supervision during the fast-track remediation work at Pittsburgh. Don also performed senior review of the draft and final reports.

Peer Review and Liability Review of US Steel Site in Hamilton Harbour for PSPC and Transport Canada (July-August 2016)

Don was the Senior Project Manager for a Peer Review of reports pertaining to the US Steel site on Hamilton Harbour that the Hamilton Port Authority (HPA) was considering purchasing. TC requested the peer review and liability review in its oversight role over the HPA. Don brought a senior expert in at steel industry at Golder onto the project team. With his input some important gaps in the previous site assessments, management plans and liability estimates were identified to TC.

Contaminated Site Reporting and Review for Department of National Defence Ottawa, Ontario, Canada

Don has managed several projects for DND's Director General Environment, related to the financial reporting of DND's contaminated sites. He managed the EcoNet validation project in 2006, in which the systems and procedures by which site cost and liability information are input to DND's Contaminated Site database, Econet. Several of DND's major projects being run out of headquarters were reviewed in that exercise. In 2008 he assisted DND by producing the 2008 update of their Contaminated Sites Management Plan (CSMP) for Treasury Board submission. Nine divisional CSMPs were reviewed, summarized and incorporated into the departmental CSMP.

PROGRAM LEVEL WORK – FEDERAL CONTAMINATED SITES

Project Management Tools for Contaminated Sites, Ottawa, Ontario, Canada

Mr. Plenderleith developed two of the FCSAP Project Management Tools: Status Reporting and Project Risk Management. He has provided training in the tools to federal project managers country-wide. He has delivered training sessions at RPIC National Contaminated Sites workshops on several occasions on the PM Tools, the Sustainable Development Tool (SDAT), and Guidance Tool for Selection of Technologies Tools (GOST).

Assistance to FCSAP for program-level Risk Management, PWGSC/ECCC Ottawa, Ontario

Don has led a team at Golder that provided assistance to the FCSAP Secretariat from 2013 to 2019 in the areas of cost projections for funding demand estimates. He devised a method of projecting the costs of unassessed sites based on closure costs of similar sites. This tool was used to estimate the funding demand for FCSAP Phase III and past Phase III. Don assisted the Secretariat with Long-Term Strategic planning for FSCAP post 2020 when the 15-year program is due to sunset.

Secondments to Federal Departments

Mr. Plenderleith has been seconded from Golder to the Department of Foreign Affairs and International Trade (now Global Affairs Canada "GAC") on three occasions to develop their Contaminated Sites Management Plans and to fill in while GAC was staffing their full-time environmental engineer position. Through these secondments he has developed a greater understanding of the role of federal custodians in managing their programs.

PROJECT EXPERIENCE – NORTHERN SITES

DEW Line Site Monitoring, Baffin Region, DND

(2015-19)

Mr. Plenderleith was the project director of Golder's DEW Line Monitoring contract with DND from four years 2015 to 2019. He was responsible for overall program quality and liaison with the client and management of Inuit subcontractors. The project was multi-disciplinary, involving geotechnical and environmental components. Mr. Plenderleith has developed a very positive working relationship with the hamlet of Qikiqtarjuaq and the Inuit staff from that community, many of whom have returned to work with Golder every year. All Inuit Participation Targets were exceeded.

Tundra Mine Remediation Monitoring PSPC/INAC (2016-2018)

Don was the Senior project director for Golder's Remediation Monitoring of Tundra Mine (NWT) for PSPC and INAC. This project is multi-disciplinary involving surface water and groundwater environmental monitoring and aquatic monitoring for the final stages of the remediation of Tundra Mine. Don has reviewed the monthly and annual monitoring reports produced for the Water Licence. His earlier experience with the RAP for Tundra has been valuable on this project.

Remedial Options Review and Remedial Action Planning Former Water Tanker Base, Inuvik Airport, NWT 2010-12

From 2010 to 2012, Mr. Plenderleith was the technical director for the Phase III ESA detailed site assessment and remediation planning of the former Water Tanker Base at the Inuvik Airport in NWT. The work included determining the contaminants of concern, delineation of contaminated soil and seasonal groundwater areas, and assessing remedial options. The remedial action plan reviewed chemical oxidation and removal & disposal options within the constraints of northern work season, and the distance to a disposal facility. Descriptions, costs, advantages and limitations were provided for several options. GNWT performed the remediation with own forces.