Geotechnical Engineering

**Environmental Engineering** 

**Hydrogeology** 

Geological Engineering

**Materials Testing** 

**Building Science** 

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### **Phase I-Environmental Site Assessment**

1330 Carling Avenue and 815 Archibald Street Ottawa, Ontario

**Prepared For** 

1343678 Ontario Limited

### Paterson Group Inc.

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Report: PE4789-1R



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### **EXECUTIVE SUMMARY**

#### **Assessment**

Paterson Group was retained by 1343678 Ontario Limited to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 1330 Carling Avenue and 815 Archibald Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was initially developed circa 1948 with a retail fuel outlet (FRO) situated on the northern portion of the Phase I Property. In 1956, an automotive service garage also occupied the Phase I Property (south-eastern corner of 1330 Carling Avenue) until 1991.

Environmental work conducted by Raven Beck Environmental (Raven Beck) in 1991 identifed petroleum hydrocarbon contamination in the soil and the groundwater. In 1992, the ancillary equipment associated with the RFO was decommissioned. The contaminated soils were subsequently excavated and disposed of at a licenced waste site. Confirmatory soil sample results were in compliance with the site standards at that time; however, groundwater on-site was never tested during the 1991/1992 investigation. In 1995, some off-site contaminated soil along the northern property boundary was excavated. Confirmatory soil sample results also complied to the standards at that time.

Following the decommissioning of the RFO and service garage and remedial work, it is presumed that the Phase I Property existed as vacant land from 1992 to 1999 or possibility was utilized as a used car lot until redevelopment in 2000.

During the interim of 2001 to 2014, three (3) Phase I ESAs were conducted by AMEC, Pinchin and Kollaard Associates. All three reports indicated that the Phase I Property was occupied by a used car dealership (2<sup>nd</sup> Chance Auto Sales). The findings of these reports, based on the previous remediation work and current land use, recommended that no further environmental work was required, with one exception.

It was noted in the 2014 Phase I ESA report (Kollaard), that at the time of the previous site remediation, the current guidelines and protocol for remediation activities under O.Reg. 153/04 did not exist.

As a result, the current site conditions had not been verified as to whether the remnant soils or the groundwater would conform to the current MECP Standards.



Based on the findings of the historical land use and review of previous engineering reports and in support of a Record of Site Condition (RSC), the former retail fuel outlet, UST nests, automotive service garage and importation of fill material used to backfill remediation excavations represent areas of potential environmental concern (APECs) on the Phase I Property.

Historical use of neighbouring lands identifed several potentially contaminating activities (PCAs); however, based on the separation distances and down-gradient orientation in combination with information contained in our files, the off-site PCAs were not considered to generate APECs on the Phase I ESA Property., with the exception of potential off-site contamination along Carling Avenue (Raven Beck, 1992), which is considered to represent an APEC on the Phase I Property.

Following the historical research and review of previous engineering reports, a site visit was conducted. The Phase I Property is currently occupied by a used car dealership, known as 2<sup>nd</sup> Chance Auto Sales, which consists of an office building and a washing/car detailing bay at the rear (south end) of the building. The remainder of the site is an asphaltic concrete surfaced car lot. No PCAs and thus, no APECs were noted with the current use of the Phase I Property.

Surrounding land use consists primarily of residential with commercial properties along Carling Avenue. There were no PCAs identified on properties within the Phase I Study Area**Recommendations** 

Based on the results of the assessment, it is our opinion, that a Phase II Environmental Site Assessment is required for the Phase I Property.

It is our understanding the subject site will be redeveloped. Prior to any possible future demolition activities, a designated substance survey (DSS) must be conducted for the existing building, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.



### 1.0 INTRODUCTION

At the request of 1343678 Ontario Limited, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the properties addressed 1330 Carling Avenue and 815 Archibald Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Kevin Mulligan with 1343678 Ontario Limited. The head office of 1343678 Ontario Limited is located at 2775 Moodie Drive, Ottawa. Mr. Mulligan can be reached by telephone at (613) 223-4040.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of our findings and results of the environmental conditions at this site.

This Phase I-ESA report has been prepared in general accordance with the requirements of Ontario Regulation (O.Reg.) 153/04, as amended, under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial and federal agencies, and was limited within the scope-of-work, time and budget of the project herein.



### 2.0 PHASE I PROPERTY INFORMATION

Address: 1330 Carling Avenue and 815 Archibald Street,

Ottawa, Ontario

Legal Description: Part of Block 8 on Plan 221; Lot 8 and Part of Lot 7 on

Plan 529, in the City of Ottawa, Ontario

Property Identification

Number: 04002-0008 and 04002-0009

Location: The Phase I Property is located on the southeast

corner of Archibald Street at Carling Avenue, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan

in the Figures section following the text.

Latitude and Longitude: 45° 23' 6.16" N, 75° 44' 7.00" W

Site Description:

Configuration: Rectangular

Site Area: 1,968m<sup>2</sup> (approximately)

Zoning: AM – Arterial Mainstreet Zone

Current Use: The subject site is occupied by a used car dealership.

Services: The site is located in a municipally serviced area.

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## 3.0 SCOPE OF INVESTIGATION

e scope of work for this Phase I – Environmental Site Assessment was as lows:
Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 153/04, as amended, under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
Provide a preliminary environmental site evaluation based on our findings;
Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.



### 4.0 RECORDS REVIEW

### 4.1 General

### **Phase I-ESA Study Area Determination**

A radius of approximately 250 m was determined to be appropriate as a Phase I study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

### **First Developed Use Determination**

Based on a review of the 1945 aerial photograph, the Phase I Property was undeveloped, while the 1948 Fire Insurance Plans (FIPs) show that the subject land was occupied by a retail fuel outlet, which coincides with the registered property owner listed on the Chain of Title in 1949. For the purpose of this assessment, the first developed use of the Phase I Property is considered to have been commercial in 1948.

#### **National Archives**

The 1948 and 1956 Fire Insurance Plans (FIPs) for the Phase I Property and lands within the Phase I Study Area were reviewed as part of this assessment.

The 1948 FIPs depict the northern portion of the Phase I Property as occupied by a retail fuel outlet (RFO) with three (3) underground storage tanks (USTs), while the southern portion (815 Archibald Street) is undeveloped. The 1956 FIPs depict the relocation of 2 USTs rather than the former 3 USTs as well as an automotive service garage. The southern portion of the Phase I Property is depicted with a two-storey residential dwelling.

The historical presence of the retail fuel outlet (RFO) or more specifically, the former UST nests on the subject site and automotive service garage on the northern portion of the Phase I Property represents areas of potential environmental concern (APEC) on the Phase I Property.

Neighbouring lands south of Carling Avenue are depicted primarily as residential in the 1948 and 1956 FIPs. Several potentially contaminating activities (PCAs) such as, RFOs, bulk fuel and oil storage warehouses with above ground storage tanks (ASTs) were identified on the neighbouring lands to the east and north, respectively. The historical PCAs identified in the 1948 and 1956 FIP review are listed in Table 1.

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Table 1: Potentially Contaminating Activities Fire Insurance Plans Review Summary				
Address	FIP Year	Listed Activity	Approximate Distance / Orientation from Site	
Carling Ave	nue			
1314	1956	Seven-Up Bottling Company with 1 UST	40m East	
1330/1340	1948, 1956	Retail fuel outlet with 2 USTs and automotive service garage	On-site	
1331	1956	Barrington Petroleum Products Limited (bulk fuel and oil storage)	80m North	
1337	1956	W.L. Ballentine Co. Ltd. Contractors Equipment (storage and repairs)	50m North	
1339	1948	Sun Oil Co. Ltd (bulk oil storage)	85m North	
1350	1948, 1956	Retail fuel outlet and automotive repair & servicing garage (2 USTs)	17m West	
1351	1948, 1956	Retail fuel outlet and automotive service garage (2 USTs)	31m North	
1359-1365	1948, 1956	Ontario Department of Highways (2 USTs and automotive repair garage)	100m Northwest	
1386	1956	Retail fuel outlet (3 USTs)	145m West	
Merivale Roa	ad			
24, 840	1948, 1956	Automotive repair garage with 2 USTs	155m East	

With the exception of the on-site PCAs (RFO, UST nests, and service garage), the remaining off-site PCAs are not considered to represent APECs based on their separation distance and/or downgradient orientation with respect to the subject land.

It should be noted that the former RFO located at 1350 Carling Avenue would generally be considered to represent an APEC on the Phase I Property; however, Paterson conducted a subsurface investigation to address any potential contamination that may have occurred at 1354-1376 Carling Avenue (previously identifed as 1350 Carling Avenue) due to the former use of the land as a retail fuel outlet. Two monitoring wells along the eastern property boundary were placed to delineate any potential contamination. Groundwater samples were collected and submitted for analytic testing of PAHs, PHCs and VOC. Based on the analytical results of our investigation, the groundwater on-site was not impacted. The groundwater flow beneath the site and in the immediate area was determined to be in a northerly direction.

City directories were reviewed for the Phase I Property and surrounding properties within the 250m study area, from 1930 to 2011. It should be noted

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that the Ottawa Directories were not available for the Phase I Study Area in or prior to 1930.

According to the city directories, the Phase I Property was listed under various gasoline service stations and garages from 1956 to 1990, followed by an automotive dealership from 2000 to 2011.

Given the historical use of the subject land, the former retail fuel outlet (RFO) and service centre represents APECs on the Phase I Property.

Neighbouring properties in the Phase I Study Area were listed primarily residential on the adjacent streets, south of Carling Avenue, while commercial/light-industrial land use was concentrated along Carling Avenue.

Based on the city directories review, several PCAs were identified on properties within the Phase I Study Area, which included several RFOs, automotive service/repair garages and bulk fuel and oil storage sites. Historical PCAs identified during the directories review are listed in Table 2.

Table 2: Potentially Contaminating Activities City Directories Review Summary				
Address	Listed Activity	Years Listed	Approximate Distance / Orientation from Site	
Carling Ave	enue			
1339	Sun Oil Ltd. (bulk storage of fuel and oil)	1949	70m Northeast	
1314	Seven-up bottling Co.	1960s	40m East	
1316	Patton's cleaners	1970s	60m East	
1331/1331A	BP Oil Ltd and Barrington Fuel oil (bulk storage of fuel and oil) and retail fuel outlet	1940-1970	35m North	
1350	Automotive service garage	1956-1960	16m West	
1384	Retail fuel outlet	1956-1960	144m West	
Merivale Road				
848	Weston tire and auto supply	1960s	155m Southeast	
880-878	Import car centre (car dealership)	1980-2011	164m Southeast	

The off-site PCAs noted above are not considered to represent APECs on the Phase I Property, based on their separation distances and/or orientation (down or cross-gradient) with respect to the subject site, in combination with the information contained in our files, that was previously discussed.

The PCAs that generated APECs on the Phase I Property are shown on Drawing PE4789-1R-Site Plan, and the locations of the aforementioned PCAs relative to



the Phase I Property are shown on Drawing PE4789-2R - Surrounding Land Use Plan. It should be noted that documented addresses on the FIPs are not the same as reported in the directories.

#### Chain of Title

The Chain of Title for the Phase I Property addressed 1330 Carling Avenue and 815 Archibald Street was provided by Read Abstracts Ltd. and was reviewed as part of this assessment.

According to the chain of title, the property deeds for 1330 Carling Avenue and 815 Archibald Street were first registered under a private individual in 1856. From 1856 to 1949, both property deeds were listed under various private individuals.

In 1949, the land deed for the northern portion of the Phase I Property (1330 Carling Avenue) was acquired by Shell Oil Company of Canada Ltd, followed by an acquisition by The Canadian Life Assurance Company. The Imperial Life Assurance Company and the Crown Life Insurance Company, who then leased the property back to Shell Oil Company Ltd, all in the same year. In 1971, the property deed was transferred back to Shell Oil Company Ltd. from The Canadian Life Assurance Company, The Imperial Life Assurance Company and the Crown Life Insurance Company. The land was transferred to an Ontario registered business in 1997, followed by an acquisition by the current landowner, 1343678 Ontario Ltd. in 2001.

From 1949 to 1993, the land deed for the southern portion of the Phase I Property (815 Archibald Street) was listed under various private individuals until it was acquired by Monkey Joe's Ltd. in 1993, followed by an acquisition by the current landowner, 1343678 Ontario Ltd., in 1999.

The Phase I Property has been leased under two (2) Ontario registered business since 2008. A copy of the chain of title is included in Appendix 2.

### Plan of Survey

A plan of survey was not available for review at this time.

### **Previous Engineering Reports**

Paterson reviewed several environmental reports prepared by others prior to conducting the Phase I ESA.



☐ Environmental Site Assessment, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated December 12, 1991.

The subject site, 1330 Carling Avenue, operated as a Shell retail fuel outlet (RFO) from approximately 1948 to 1990. The former subject building situated on the southeast corner of the site and former underground storage tanks (USTs) were situated in the east side of the property. Sometime between 1956-1957 the USTs were relocated to the south part of the lot to accommodate the widening and realignment of Carling Avenue. Based on the historical use and existing RFO, five (5) boreholes were drilled to access the current site conditions by placing them near the former and existing USTs, pump island and waste oil storage. During the subsurface investigation, strong hydrocarbon odours were noted. No monitoring wells were installed as it was believed that there may have been an abandoned UST on the northeastern side of the former pump island.

Three (3) soil samples were submitted and analyzed for BTEX and TPHs. Based on the analytical results, all parameters were in excess of the site standards. A remediation excavation was recommended to remove an estimate of 3825 m<sup>3</sup> of contaminated soil.

☐ Supplementary Environmental Investigation at Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

A preliminary investigation was conducted in January of 1992 to determine the source of floating free product detected in November 1991. A test pit excavated on the northeastern side of the site revealed the free product in a coarse layer of fill which extended approximately 1 m below the ground surface (mbgs). Free product was observed flowing into the excavation along the wall closest to the pump island and the wall closest to Carling Avenue.

Nine (9) boreholes (S-2 to S-10) were drilled, one of which was installed as a monitoring well. Five (5) soil samples were submitted and analyzed for BTEX and TPHs. Based on visual observations in the field and the test results, hydrocarbon impact existed in all boreholes in the coarse fill layer.

Based on these results, it was concluded that there were zones of soil and groundwater contamination on-site. Hydrocarbon odours were detected in all boreholes except S-5 and S8 (northeast and northwest corners of the site).



☐ Excavation and Disposal of Petroleum Contaminated Soil, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

The Shell Service Station was decommissioned, all USTs were inspected and emptied prior to their removal. Two (3) hydraulic lifts in the garage were excavated and removed. Prior to removal, all oil was pumped from the lifts. The lifts were removed from site and disposed of accordingly. The garage (site building) was also demolished.

Site excavation was performed during the interim of April 21 to May 5, 1992, by licensed contractors. All excavated materials were disposed/handled by contractors, while the contaminated soil was disposed of at a licenced landfill.

The depth of excavation ranged from 1.5 to 3.5 mbgs. Extensive soil sampling from the floor, walls and central portions of the excavation was performed to define the levels of petroleum product contamination. Impacted groundwater encountered during excavation was vacuumed. Approximately 600L of impacted groundwater was collected. A total of 3,265 tonnes of petroleum contaminated soils were removed and disposed of off-site. The excavation was backfilled with a medium-grained sand imported to the site and compacted in place with the shovel.

Four (4) confirmatory soil samples were submitted and analyzed for BTEX, TPH and lead. Based on the analytical results, all 3 samples complied to the current MECP Standards for residential, wit the exception of toluene.

☐ Monitoring of sewer excavation at Carling Avenue and Archibald Street, prepared by Raven Beck Environmental Ltd., dated July 25, 1995.

A sewer excavation adjacent to the Shell site along the north edge of the sidewalk on the south side of Carling Avenue, approximately 4 m north to an existing cast-in-place concrete sewer was conducted. Contaminated soil from 1.5 to 3 m depth and approximate length of 10 m was excavated. Soil at either end of this zone showed no evidence of hydrocarbon contamination. No free product was detected and no hydrocarbon sheen on groundwater entering the excavation was observed. Approximately 222 tonnes of soil were excavated and disposed of at the Carp Landfill site.

☐ Phase I Environmental Site Assessment, 2<sup>nd</sup> Chance Auto Sales, 1330 Carling Avenue, Ottawa Ontario, prepared by AMEC, dated November 2001.

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The subject site was redeveloped with the commercial automotive sales building in late 1990s with a garage bay for detailing vehicles. Based on the review of the historical information in combination with the previous Environmental Reports, no new potential environmental concerns were identified. AMEC did not recommend a Phase II ESA.

☐ Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Pinchin, dated July 8, 2008.

Based on the historical review of the subject site, it was determined that the subject building was constructed circa 2001. The current use of the subject remained unchanged since the last Phase I ESA (AMEC, 2001) and as such, no potential environmental concerns were noted. Pinchin did not recommend a Phase II ESA.

Based on the age of the building, potential asbestos-containing materials (ACMs) may be present. An asbestos survey and management plan were recommended by Pinchin as well.

☐ Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Kollaard Associates, dated July 15, 2014.

Based on the review of historical information, previous reports and current use of the subject site, no potential environmental concerns were identified. Kollaard did not recommended a Phase II ESA.

It was noted however, that at the time of the previous site remediation in 1991, the current guidelines and protocol for remediation activities under O.Reg. 153/04 did not exist. The current site conditions had not been verified whether the remnant soils or the groundwater would conform to the current MECP Standards. Therefore, additional environmental work would be required should a Record of Site Condition need to be filed for a proposed land use change to a more sensitive use (i.e. residential use). Kollaard recommended that a Phase II ESA would be required to verify that the environmental standards are met for the current and proposed property use.

As noted during the previous reports review, imported sand (fill) was used to reinstate the remediation excavations. Since no testing was carried out on this material, the unknown quality of this fill is considered to be a PCA which represents an APEC on the Phase I Property.



### 4.2 Environmental Source Information

### **Areas of Natural Significance**

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on November 7, 2019. The search did not reveal any natural features or ANSIs within the Phase I Study Area.

### PCB Inventory

A search of national PCB waste storage sites was conducted on November 7, 2019. No PCB waste storage sites are located within the Phase I Study Area

#### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on November 7, 2019. Based on the search results, the Phase I Property and other properties within the 250m study area are not listed in the NPRI.

# Ministry of the Environment, Conservation and Parks (MECP) Waste Management Records

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to waste management records. No waste management records were found for the Phase I Property. A copy of the response is provided in Appendix 2.

#### **MECP Instruments**

A request was submitted to the MECP FOI office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. According to the MECP FOI response, one approval was granted to abandon a section of a storm sewer which crossed the Phase I Property (Carling Avenue at Archibald Street) in July 1996, following the monitoring and sewer excavation conducted on-site in 1995. The approval was provided to eliminate further contamination due to the former retail fuel outlet on-site. No other approvals or permits or certificate of property use for the Phase I Property were issued. A copy of the response is provided in Appendix 2.



#### **MECP Submissions**

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the property. Based on the response received, several environmental reports and/or letters were identifed for the Phase I Property. The letters and reports were correspondences between the Shell Canada Products Limited (former owner of the Phase I Property) and Ministry of Environment regarding the decommissioning of the retail fuel outlet, excavation and disposal of the contaminated soils and the environmental monitoring of a trench excavation on-site.

No new information regarding the environmental work conducted on the Phase I Property was obtained during the review of these letters and reports. A copy of the response is provided in Appendix 2.

### **MECP Incident Reports**

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. According to the MECP FOI response, one incident was reported on the Phase I Property (815 Archibald Street) in 1991. An oil spill was reported due to a ruptured seal on a delivery truck, spilling 20 Litres onto the asphalt. Oil was cleaned immediately with an absorbent. No other information regarding the spill was provided in the FOI response letter. No oil was released into the environment via sewer. A copy of the response is provided in Appendix 2.

### **MECP Coal Gasification Plant Inventory**

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

### **MECP Brownfields Environmental Site Registry**

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or for other properties within the Phase I Study Area



### **MECP Waste Disposal Site Inventory**

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no active or closed waste disposal sites or former manufactured gas, or coal tar distillation plans within the Phase I Study Area.

### **Environmental Risk Information Services (ERIS) Report**

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the study area. According to the ERIS report, a certificate of approval (CoA) for municipal sewer work was issued for the Phase I Property in June of 1997. No other information was provided, although it is expected that the CoA was issued regarding the installation of a new sewer upon redevelopment of 1330 Carling Avenue. No potential environmental concerns or new information regarding the Phase I Property was identifed in the ERIS report.

The ERIS search identifed several off-site waste generators, incidence/reported spills. The majority of these reported concerns were located more than 120 m away from the Phase I Property and are not considered to generate APECs on the Phase I Property, based on the separation distance.

The hazardous waste inventories however, identifed a medical (dental) office building across from the Phase I Property at 1335 Carling Avenue as having generated (primarily) pathological waste with some inorganic chemicals and photo-processing waste from 2010 to 2019. It is expected that the amount of laboratory/chemical and photo-processing waste produced is not significant and does not generate APECs on the Phase I Property. Based on the nature of the waste produced and/or separation distances of other activities identifed in the ERIS report, none of the aforementioned activities are considered to have impacted or pose a risk to the Phase I Property. A copy of the ERIS report is included in Appendix 2.

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on November 7, 2019, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. According to the TSSA response, no records were found regarding the Phase I Property or the



adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

#### **Former Industrial Sites**

The report entitled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" was also reviewed. The Phase I Property was not listed in the database of former industrial sites. One former industrial site was identified within the Phase I Study Area: Barrington Petroleum Products Ltd. (Site No. 20) located on the north side of Carling Avenue at Archibald Street. According to the report, this property was listed as non-industrial and used for the bulk storage of oil and gas. Based on its distance of approximately 80 m north of the Phase I Property, the former Barrington Petroleum Products Ltd. site is not considered to pose a significant concern to the property.

### **City of Ottawa Landfill Document**

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. Based on the document, there are no closed landfill sites within the vicinity of the Phase I Property or for other properties within the Phase I Study Area.

### City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response was received on November 29, 2019. Based on the response, one record from the Internal Department Circulation from The City's Sewer Use Program found information pertaining to an inspection record at 1330 Carling Avenue, however, no other information was provided.

The HLUI search results from the HLUI2005 database found one activity associated with the Phase I Property (Activity ID: 6225). The activity (Activity ID: 6225) was identified as an RFO under Len Desforge Service Station and Gus and John Service Station Ltd. from 1957 to 1980. Thirty-seven (37) activities associated with properties within the study area were identified, of which, 10 were considered PCAs that were formerly identified during the FIP and City Directory review. A summary of the PCAs identified during the HLUI review is provided in Table 3 and their locations relative to the Phase I Property are shown on Drawing PE4789-2R – Surrounding Land Use Plan.



Table 3: Potentially Contaminating Activities HLUI Review Summary				
Activity ID	Address	Listed Activity	Years Listed	Approximate Distance / Orientation from Site
10394	1359 Carling Ave.	Ontario Dept. of Highways (2 USTs)	1948-1956	168m NW
14391	1331 Carling Ave.	Turner's Service Station	1960-1980	56m NE
2331	1339 Carling Ave.	Sun Oil Company (6 ASTs and 2 USTs)	1925-1956	63m NW
12452	North of Merivale at Carling Ave	Sheridan Garage (2 USTs)	1957	245m E
13308	1307 Carling Ave.	Sun Oil Co. (Petroleum storage and wholesale)	1948-1957	72 m NE
12724	1314 Carling Ave.	7-Up Bottling Co. Ltd	1952-1961	35m E
1337	1321 Thames St.	Aspen Transportation Logistics	2005	142m SW
10519	1350 Carling Ave.	Perry's Garage	1957-1960	28m W
5789	1384/1386 Carling Ave	RFO (3 USTs)	1957-1960	130m W
10141	824 Meath St.	PB Fraser (repair garage)	1998	206m SW

A copy of the HLUI request is provided in Appendix 2.

## 4.3 Physical Setting Sources

### **Aerial Photographs**

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. Based on the review, the following observations have been made:

1928	The subject site and neighbouring lands are undeveloped at this time. Carling Avenue and Archibald Street are present at this time.
1945	The subject site appears vacant at this time. Neighbouring lands appear to be developed with some residential to the south and commercial along Carling Avenue.
1958	The subject site is occupied by a possible retail fuel outlet at 1330 Carling Avenue and a residential dwelling at 815 Archibald Street. Neighbouring lands are occupied by commercial businesses along Carling Avenue and residential, south of the site. Westgate mall can be seen at this time to the north.

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1965	No significant changes are apparent on the subject site. Adjacent lands to the east and west are occupied by new commercial buildings. Highway 417 is present at this time.
1976	No significant changes are apparent on the subject site. Properties across Carling Avenue and Archibald Street have been redeveloped with the present-day commercial building (north) and hotel building (west), as well as the adjacent property to the east.
1983	No significant changes are apparent on the subject site or neighbouring lands.
2002	The subject site appears to have been redeveloped with the present-day building. The site appears to be occupied by a used car lot. No significant changes are apparent on the neighbouring lands within the study area.
2011	No significant changes are apparent on the subject site or on lands within the study area.
2017	The subject site and neighbouring lands remain unchanged from the previous photograph.

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

### **Topographic Maps**

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the local topography in the immediate vicinity of the site slopes gently downward to the south, while the regional topography generally slopes down to the northwest, toward the Ottawa River. According to the maps, the nearest water body is the Ottawa River, located approximately 2 km to the northwest of the Phase I Property. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

### **Physiographic Maps**

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features

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associated with the ice sheets." The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

### **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of interbedded limestone and dolomite of the Gull River Formation. Overburden is reported to consist of Glacial Till of depths ranging from 5 to 10 m over the entire site.

### **Natural Water Bodies and Areas of Natural Significance**

No natural water bodies or areas of natural significance are known to exist on the Phase I Property or within the Phase I Study Area.

#### **Water Well Records**

The MECP online interactive well record mapping system was accessed on November 8, 2019, to conduct a search for all drilled wells within 250 m of the Phase I Property.

The search returned a total of twenty-six (26) records for six (6) potable wells, three (3) decommissioned wells and seventeen (17) monitoring wells, three of which were outside of the 250m search radius. Based on the review of these records, no wells were identified on the Phase I Property.

The domestic wells were drilled between 1950 to 1956 for properties approximately 100m or more away from the Phase I Property. It is expected that these wells have not been used since the area has been municipally serviced, despite that only three (3) abandonment records for non-potable wells were found for the Phase I Study Area.

Three (3) of the fourteen (14) monitoring wells identifed within the study area were located on the property to the north at 1335 Carling Avenue. Based on these records, the stratigraphy in the general area of the Phase I Property consists of a pavement structure, followed by a granular fill, underlain by sandy clay overlying glacial till. Bedrock was not encountered. The depths of these wells reached approximately 5.8 m below ground surface (mbgs). No other information that is considered pertinent was provided in these well records. Copies of the well records are provided in Appendix 2.



### 5.0 INTERVIEWS

Mr. Kevin Mulligan, the current property owner was interviewed at the time of the site visit on November 13, 2019. According to Mr. Mulligan, the current subject building was constructed circa 2000 and has been occupied by the Used Car Dealership, which utilizes the site for vehicular storage, car detailing (in the garage of the building, a show room and offices). No automotive maintenance or servicing had ever taken place on-site. Mr. Mulligan was unaware of any potential environmental concerns regarding the subject site.

### 6.0 SITE RECONNAISSANCE

### 6.1 General Requirements

Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site visit. Weather conditions were overcast with a temperature of approximately -10°C on November 13, 2019. In addition to the site, the use of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

### 6.1 Specific Observation at Phase I Property

### **Buildings and Structures**

The site is occupied by a semi-2 storey slab-on-grade building that was constructed in 2000. The subject building is situated on the southeast corner with a wash bay entrance located on the west side of the building fronting Archibald Street.

The exterior is finished in light grey-to-white stucco with large glass windows that extend from the ground to second storey and a flat style tar and gravel roof. No other buildings or structures are present on the Phase I Property.

### **Subsurface Structures and Utilities**

The Phase I Property is situated in a municipally serviced area. Underground utility services on the subject land include natural gas, electricity, water and sewer services. The services enter the Phase I Property from Archibald Street.

No well or private sewage system were observed on the property at the time of the site visit. No other subsurface structures or utilities were observed at the time of the site visit.



#### Site Features

The subject building occupies the majority of the southeastern corner of the Phase I Property. The remainder of the subject land is primarily occupied by a paved car lot with car park barriers surrounding the northern and western property line and some light posts. At the time of the site visit, the entire parking lot was occupied by cars with some light snow coverage.

Site drainage typically occurs through sheet flow to an on-site catch basin located on the central portion of the lot, as well as to catch basins along the adjacent street (Archibald Street).

The site topography is relatively flat and at the grade of Carling Avenue and slopes slightly towards Archibald Street. The regional topography slopes down in a northerly direction towards the Ottawa River.

Site features are presented on Drawing PE4789-1R – Site Plan, provided in the Figures section following the text.

#### Fill Material

No evidence of fill material was noted at the time of the site visit; however, based on the previous reports reviewed fill material was imported on-site to backfill the remediation excavations and as such, the quality of the fill material is unknown and therefore, represents an APEC on the Phase I Property.

#### Interior Assessment

A general description of the interior of the subject building is as follows:

Floor finishes consist of ceramic tiles and carpet in the show room and offices, while the wash bay floor consists of poured concrete.
Wall finishes consist of gypsum board in the show room and offices while the wash bay walls consist of concrete blocks.
Ceilings are finished with acoustic ceiling tiles and steel decking.
Lighting is provided by fluorescent fixtures.

Based on the age of the building (circa 2000/2001) potential asbestos containing materials (ACMs) and lead-based paints (LBPs) are not suspected to be present within the building, as these materials were not typically used after 1980.



### **Fuel and Chemical Storage**

The subject building is heated with natural gas-fired equipment.

No fuels or chemicals were observed on the interior or exterior of the Phase I Property at the time of the site assessment, with the exception of car detailing/cleaning products that were properly stored within the wash bay. No signs of leaks or staining were observed on the interior or exterior of the Phase I Property.

### **Wastewater Discharge**

Wastewater discharged from the Phase I Property includes wash water and sewage. Two floor drains were observed on the interior (bathroom and wash bay) of the subject structure. The drains appeared to be clean and dry at the time of the site visit. No concerns were noted with regards to wastewater discharge at the Phase I Property.

### **Waste Management**

Non-hazardous office waste and recycling is stored in bins on the west side of the subject building and collected by a licenced contractor on as-needed basis.

### **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was as follows:

☐ North -	Carling Avenue, followed by commercial office;
☐ South -	Residential, followed by Thames Street;
□ East -	Commercial office building, followed by residential apartment building;
■ West -	Archibald Street, followed by vacant land.

Land use within the Phase I Study Area consists of commercial businesses, retailers and residential. No concerns were identified with the current use of the surrounding lands. The surrounding land use within the Phase I Study Area is presented on Drawing PE4789-2R – Surrounding Land Use Plan.



# 7.0 REVIEW AND EVALUATION OF INFORMATION

## 7.1 Land Use History

The following table indicates the current and past uses of the Phase I Property dating back to the first developed use of the site in 1948.

Table 4: Current and Past Use of the Phase I Property 1330 Carling Avenue and 815 Archibald Street				
Year	Property Owner	Description of Property	Property Use	Other Observations from FIPs, Aerial Photographs, Directories, etc.
1330 Carling Av	venue			
Prior to 1846	Unknown	Unknown	Unknown	No information available.
1846 to 1948	Various private individuals	Unknown	Unknown	Chain of Title listed several private individuals from 1856 to 1949; however, there are no available observations.
1948 to 1991	Shell Oil Company Ltd and Canadian Life Assurance Company and their assigns	Retail fuel outlet	Commercial use	1948 and 1956 FIPs depict a retail fuel outlet (RFO) onsite. Aerial photographs from 1958 to 1976 confirm the presence of an RFO and service garage.  Environmental report by Raven Beck (1991), conducted environmental work and decommission RFO and garage in 1992
1991 to 1992	Shell Oil Company Ltd	Vacant site/abandoned RFO and garage	Commercial use	Environmental report by Raven Beck (1991), conducted environmental work and decommission RFO and garage in 1992.
1992 to 1997	Shell Oil Company Ltd	Vacant land	Vacant land	No information available.
1997 to present	1343678 Ontario Ltd.	Vacant until 1999/2000 (parking lot or used car lot) Used car dealership	Commercial use	Based on the 1999 aerial photograph the Phase I Property appears to be occupied by cars (i.e. used car lot or parking lot).  Based on previous reports and personal interview with the current landowner.  Based on aerial photographs, city directories and personal interview with the current landowner.

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Table 4 Continued: Current and Past Use of the Phase I Property 815 Archibald Street				
Year	Property Owner	Description of Property	Property Use	Other Observations from FIPs, Aerial Photographs, Directories, etc.
815 Archibald S	Street			
1993 to 1999	Various private individuals  Monkey Joe's acquired the property in 1993	Residential dwelling	Residential use	1956 FIPs and aerial photographs show a residential dwelling. City directories listed a private individual in 1990.
1999 to present	1343678 Ontario Ltd.	Vacant until 1999/2000 Used car dealership	Commercial use	Based on previous reports and personal interview with the current landowner.  Based on aerial photographs, city directories and personal interview with the current landowner.

### **Potentially Contaminating Activities**

Based on the historical review, several potentially contaminating activities (PCAs) were identified on-site, resulting in areas of potential environmental concern (APECs) on the Phase I Property, as per Column A of Table 2 of the O.Reg. 153/04, as amended:

PCA 52 – "Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems," associated with a historical automotive service garage on the central east side of the Phase I Property (APEC 1);
PCA 28 – "Gasoline and Associated Products Storage in Fixed Tanks," associated with 5 historical underground storage tanks situated along the central west side of the Phase I Property (APEC 2);
PCA 28 – "Gasoline and Associated Products Storage in Fixed Tanks," associated with a historical pump island situated along the northeastern portion of the Phase I Property (APEC 3);
PCA 30 – "Importation of Fill Material of Unknown quality," associated with infilling the remediation excavations at 1330 Carling Avenue (APEC 4);
PCA 28 – "Gasoline and Associated Products Storage in Fixed Tanks," associated with a historical waste oil tank situated on the central east side

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of the Phase I Property (APEC 5);



	PCA 28 – "Gasoline and Associated Products Storage in Fixed Tanks," associated with a historical UST situated on the central portion of the Phase I Property (APEC 6); and,				
	PCA Other – "Off-site contamination," associated with the historical contamination along the northern property boundary (APEC 7).				
These PCAs that represent APECs on the Phase I Property are shown on Drawing PE4789-1R – Site Plan.					
The remaining off-site PCAs are not considered to result in APECs based on their separation distances and/or orientations (down-gradient) with respect to the subject land, in combination with information contained within our files.					
PCAs identified within the Phase I Study Area are presented in green on Drawing PE4789-2R – Surrounding Land Use Plan.					
Areas of Potential Environmental Concerns					
The aforementioned on-site PCAs have resulted in the following APECs:					
	APEC 1: Resulting from the former on-site automotive service garage (greasing/oiling) situated on the central east portion of the Phase I Property (PCA 52);				
	APEC 2: Resulting from former underground storage tanks (USTs) situated on the central west portion of the Phase I Property (PCA 28);				
	APEC 3: Resulting from the former on-site pump island situated on the northeast portion of the Phase I Property (PCA 28);				
	APEC 4: Resulting from fill material of unknown quality used on-site to backfill the remediation excavations at 1330 Carling Avenue (PCA 30);				
	APEC 5: Resulting from the former waste oil tank situated on the central east side of the Phase I Property (PCA 28);				
	APEC 6: Resulting from the former UST situated on the central portion of the Phase I Property (PCA 28); and				

APEC: Resulting from the historical contamination off-site along the

APECs on the Phase I Property are depicted on Drawing PE4789-1R – Site Plan.

northern property boundary (PCA other).

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#### Contaminants of Potential Concern

Based on the APECs identified on the Phase I Property, the contaminants of potential concern (CPCs) are Benzene, ethylbenzene, toluene and xylenes (BTEX); Petroleum hydrocarbons (PHCs, Fractions F<sub>1</sub>-F<sub>4</sub>) and Metals (including hexavalent chromium (CrVI), and mercury). The CPCs are expected to be present in the soil and/or groundwater of the Phase I Property.

### 7.2 Conceptual Site Model

### Geological and Hydrogeological Setting

Based on the 1992 Phase II-ESA, the reported stratigraphy for the Phase I Property consists of a pavement structure over fill material, underlain by native silty clay or glacial till. Bedrock was not encountered during the subsurface program.

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of interbedded limestone and dolomite of the Gull Formation. The overburden is reported to consist of Glacial Till of depths ranging from 5 to 10 m over the entire site.

The regional topography slopes down in a northerly direction towards the Ottawa River. The local groundwater flow beneath the Phase I Property is inferred to be in a north-westerly/northerly direction.

### **Potable Water Well Records**

No potable well records were identified for the Phase I Property.

#### **Monitoring Well Records**

No monitoring well records were identified for the Phase I Property. Three (3) monitoring well records were identified for the property across Carling Avenue where a couple of historical PCAs were identified.

### Water Bodies and Areas of Natural Significance

No natural water bodies or areas of natural significance are known to exist on the Phase I Property or within the Phase I Study Area.

### **Existing Buildings and Structures**

The southern portion of the Phase I Property is currently occupied by a semi-2 storey commercial building used as a car showroom with offices on the second



level and a garage bay used for detailing and washing cars. The remaining lot is an asphaltic paved concrete car lot.

#### **Subsurface Structures and Utilities**

Historical subsurface structures on the Phase I Property include former USTs and ancillary equipment associated with the retail fuel outlet. Former subsurface infrastructure may have potentially contributed to the contaminant distribution at the Phase I Property.

Presently, underground services include natural gas, water and sewer services entering the west face of the subject building from Archibald Street. Electric services the subject site underground along the northern property boundary with overhead utilities along the western property boundary. Municipal water and sewer services enter the northern and southern portions of the site from Archibald Street.

A storm water catchbasin is location on the central portion of the site from Archibald Street. It is not expected that the present-day underground utilities contribute to contaminant transport; however, it is expected that these utilities and underground structures will present limitations regarding the subsurface investigation.

### **Neighbouring Land Use**

Neighbouring land use within the Phase I Study Area consists primarily of commercial offices and retailers along Carling Avenue and residential along the adjacent side streets.

# Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, seven (7) potentially contaminating activities (PCAs) are considered to result in areas of potential environmental concern (APECs) on the Phase I Property. These APECs are summarized in Table 5, along with their respective locations and contaminants of potential concern (CPCs) on the Phase I Property.



Areas of Potential Environmental Concern						
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off- site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater and/or soil)	
APEC 1 Resulting from former service centre	Central east portion of the Phase I Property	PCA 52 – Storage, maintenance, fuelling and repairing of equipment, vehicles, and materials used to maintain transportation systems	On-site	BTEX PHCs	Soil, Groundwater	
APEC 2 Resulting from former USTs (circa 1957)	Central west portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs	Soil, Groundwater	
APEC 3 Resulting from former pump island	Northeast portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs	Soil, Groundwater	
APEC 4 Resulting from fill material used to backfill remediation excavation	1330 Carling Avenue portion of the Phase I Property	PCA 30 – Importation of Fill Material of Unknown Quality	On-site	BTEX PHCs Metals	Soil	
APEC 5: Resulting from the former waste oil tank situated on the central east side of the Phase I Property	Central east side of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs	Soil, Groundwater	
APEC 6: Resulting from the former UST (1992) situated on the central portion of the Phase I Property	Central portion of the Phase I Property	Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs	Soil, Groundwater	
APEC 7: Resulting from the historical contamination off-site along the northern property boundary	Northern portion of the Phase I Property	PCA Other – Off-site contamination	Off-site	BTEX PHCs	Soil, Groundwater	

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As previously discussed in Section 7.1 and shown on Drawing PE4789-2R-Surrouding Land Use Plan, several off-site PCAs were identified within the Phase I Study Area, however, based on separation distances and/or orientation (down or cross-gradient) with respect to the subject land, other off-site PCAs are not considered to represent APECs on the Phase I Property.

#### Contaminants of Potential Concern

As per the APECs identifed in Section 7.1, the contaminants of potential concern (CPCs) present in soil and/or groundwater include:

Benzene, ethylbenzene, toluene and xylenes (BTEX);
Petroleum hydrocarbons (PHCs, Fractions F <sub>1</sub> -F <sub>4</sub> ); and
Metals (including hexavalent chromium and mercury).

### Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I-ESA is considered to be sufficient to conclude that there are historical on-site and off-site PCAs that have resulted in APECs on the Phase I Property. While several other historical and/or existing PCAs were identified within the study area during this assessment, they were not considered to generate areas of potential environmental concern to the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

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### 8.0 CONCLUSIONS

#### Assessment

Paterson Group was retained by 1343678 Ontario Limited to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 1330 Carling Avenue and 815 Archibald Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was initially developed circa 1948 with a retail fuel outlet (FRO) situated on the northern portion of the Phase I Property. In 1956, an automotive service garage also occupied the Phase I Property (south-eastern corner of 1330 Carling Avenue) until 1991.

Environmental work conducted by Raven Beck Environmental (Raven Beck) in 1991 identifed petroleum hydrocarbon contamination in the soil and the groundwater. In 1992, the ancillary equipment associated with the RFO was decommissioned. The contaminated soils were subsequently excavated and disposed of at a licenced waste site. Confirmatory soil sample results were in compliance with the site standards at that time; however, groundwater on-site was never tested during the 1991/1992 investigation. In 1995, some off-site contaminated soil along the northern property boundary was excavated. Confirmatory soil sample results also complied to the standards at that time.

Following the decommissioning of the RFO and service garage and remedial work, it is presumed that the Phase I Property existed as vacant land from 1992 to 1999 or possibility was utilized as a used car lot until redevelopment in 2000.

During the interim of 2001 to 2014, three (3) Phase I ESAs were conducted by AMEC, Pinchin and Kollaard Associates. All three reports indicated that the Phase I Property was occupied by a used car dealership (2<sup>nd</sup> Chance Auto Sales). The findings of these reports, based on the previous remediation work and current land use, recommended that no further environmental work was required, with one exception.

It was noted in the 2014 Phase I ESA report (Kollaard), that at the time of the previous site remediation, the current guidelines and protocol for remediation activities under O.Reg. 153/04 did not exist.



As a result, the current site conditions had not been verified as to whether the remnant soils or the groundwater would conform to the current MECP Standards.

Based on the findings of the historical land use and review of previous engineering reports and in support of a Record of Site Condition (RSC), the former retail fuel outlet, UST nests, automotive service garage and importation of fill material used to backfill remediation excavations represent areas of potential environmental concern (APECs) on the Phase I Property.

Historical use of neighbouring lands identifed several potentially contaminating activities (PCAs); however, based on the separation distances and down-gradient orientation in combination with information contained in our files, the off-site PCAs were not considered to generate APECs on the Phase I ESA Property., with the exception of potential off-site contamination along Carling Avenue (Raven Beck, 1992), which is considered to represent an APEC on the Phase I Property.

Following the historical research and review of previous engineering reports, a site visit was conducted. The Phase I Property is currently occupied by a used car dealership, known as 2<sup>nd</sup> Chance Auto Sales, which consists of an office building and a washing/car detailing bay at the rear (south end) of the building. The remainder of the site is an asphaltic concrete surfaced car lot. No PCAs and thus, no APECs were noted with the current use of the Phase I Property.

Surrounding land use consists primarily of residential with commercial properties along Carling Avenue. There were no PCAs identified on properties within the Phase I Study Area.

#### Recommendations

Based on the results of the assessment, it is our opinion, that a Phase II Environmental Site Assessment is required for the Phase I Property.

It is our understanding the subject site will be redeveloped. Prior to any possible future demolition activities, a designated substance survey (DSS) must be conducted for the existing building, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.



### 9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of 1343678 Ontario Limited. Permission and notification from 1343678 Ontario Limited and Paterson will be required to release this report to any other party.

M. S. D'ARCY

**Paterson Group Inc.** 

Mandy Witteman, B.Eng., M.A.Sc.

Mark D'Arcy, P.Eng., Q.P.ESA

Report Distribution:

□ 1343678 Ontario Limited

Paterson Group



### **10.0 REFERENCES**

#### **Federal Records**

Air photos at the Energy Mines and Resources Air Photo Library.

National Archives.

Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).

Natural Resources Canada – The Atlas of Canada.

Environment Canada, National Pollutant Release Inventory.

PCB Waste Storage Site Inventory

National Energy Board.

#### **Provincial Records**

MECP Freedom of Information and Privacy Office.

MECP Municipal Coal Gasification Plant Site Inventory, 1991.

MECP document titled "Waste Disposal Site Inventory in Ontario".

MECP Brownfields Environmental Site Registry.

Office of Technical Standards and Safety Authority, Fuels Safety Branch.

MNR Areas of Natural Significance.

MECP Water Well Record Inventory.

Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

### Municipal Records

City of Ottawa Document "Old Landfill Management Strategy, Phase I - Identification of Sites.", prepared by Golder Associates, 2004.

Interra Technologies Limited Report "Mapping and Assessment of Former Industrial Sites, City of Ottawa", 1988.

geoOttawa: City of Ottawa electronic mapping website.

City of Ottawa Historical Land Use Inventory (HLUI) Database

#### **Local Information Sources**

Personal Interviews.

### **Public Information Sources**

Google Earth.

Google Maps/Street View.

### **Private Information Sources**

ERIS Report



### **Engineering Reports**

Environmental Site Assessment, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated December 12, 1991.

Supplementary Environmental Investigation at Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

Excavation and Disposal of Petroleum Contaminated Soil, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

Monitoring of sewer excavation at Carling Avenue and Archibald Street, prepared by Raven Beck Environmental Ltd., dated July 25, 1995.

Phase I Environmental Site Assessment, 2<sup>nd</sup> Chance Auto Sales, 1330 Carling Avenue, Ottawa Ontario, prepared by AMEC, dated November 2001.

Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Pinchin, dated July 8, 2008.

Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Kollaard Associates, dated July 15, 2014.

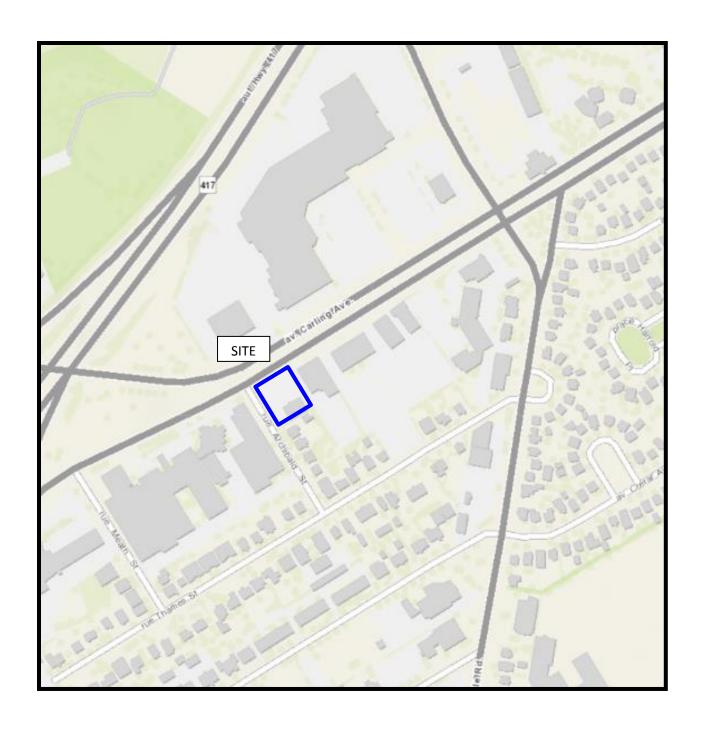
# **FIGURES**

FIGURE 1 – KEY PLAN

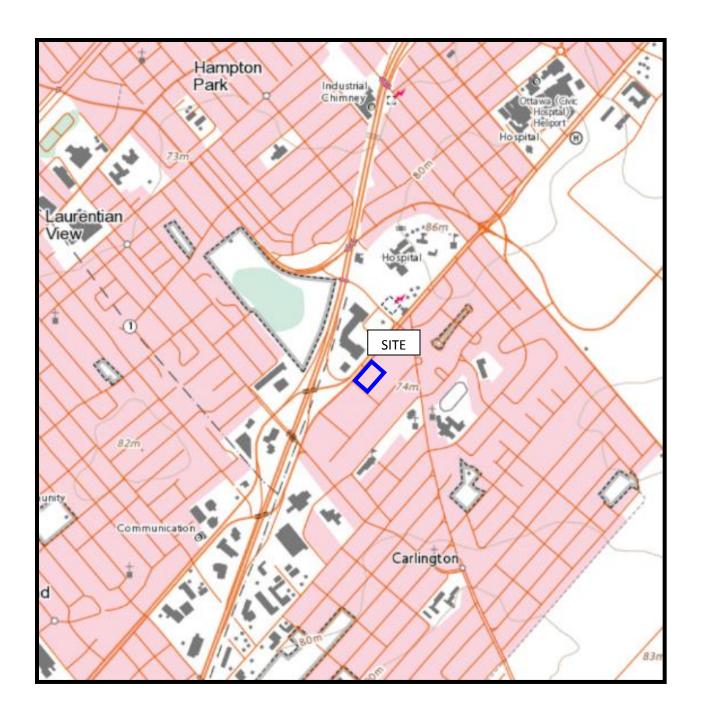
FIGURE 2 – TOPOGRAPHIC MAP

**DRAWING PE4789-1R - SITE PLAN** 

DRAWING PE4789-2R - SURROUNDING LAND USE PLAN

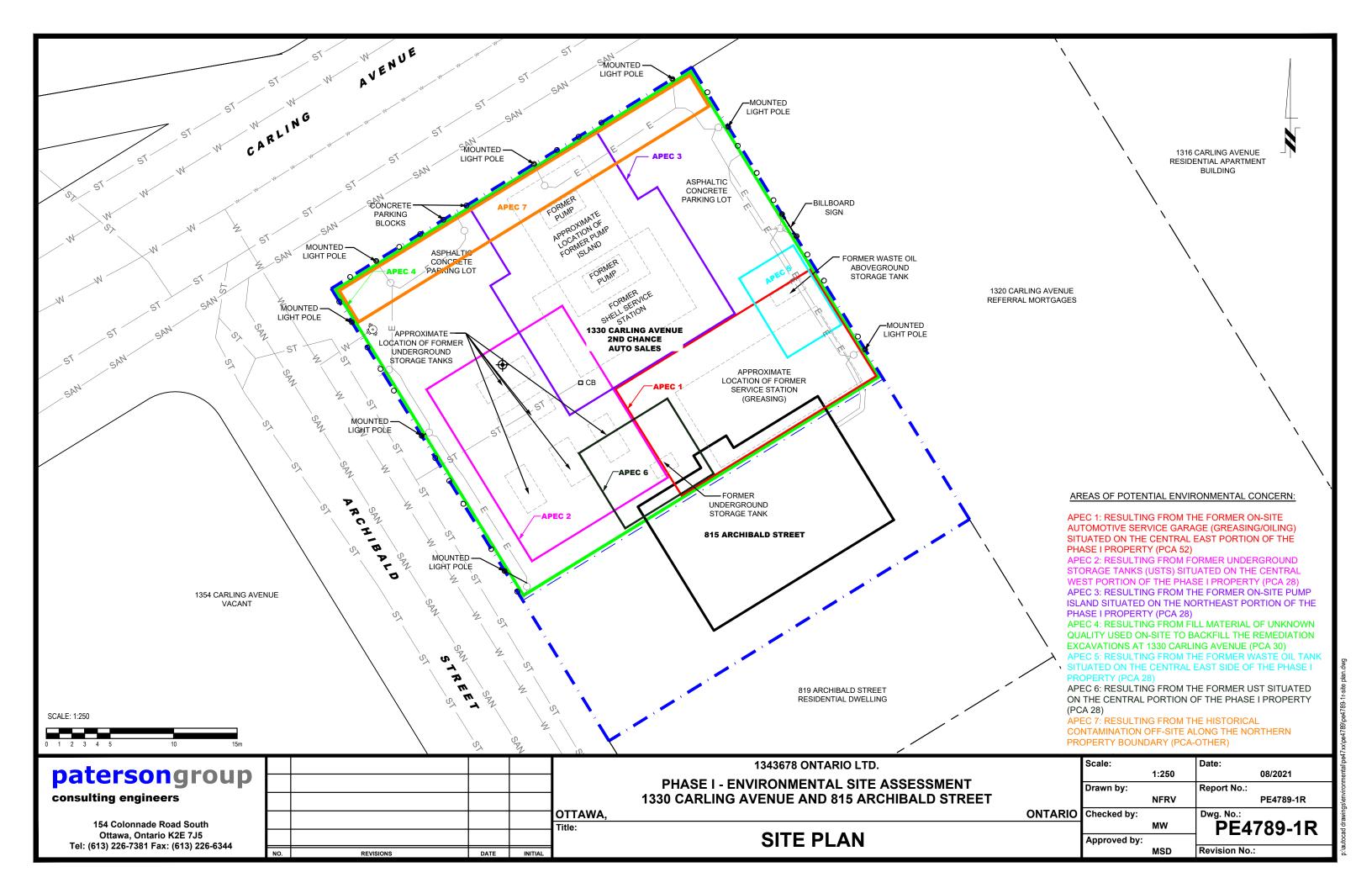


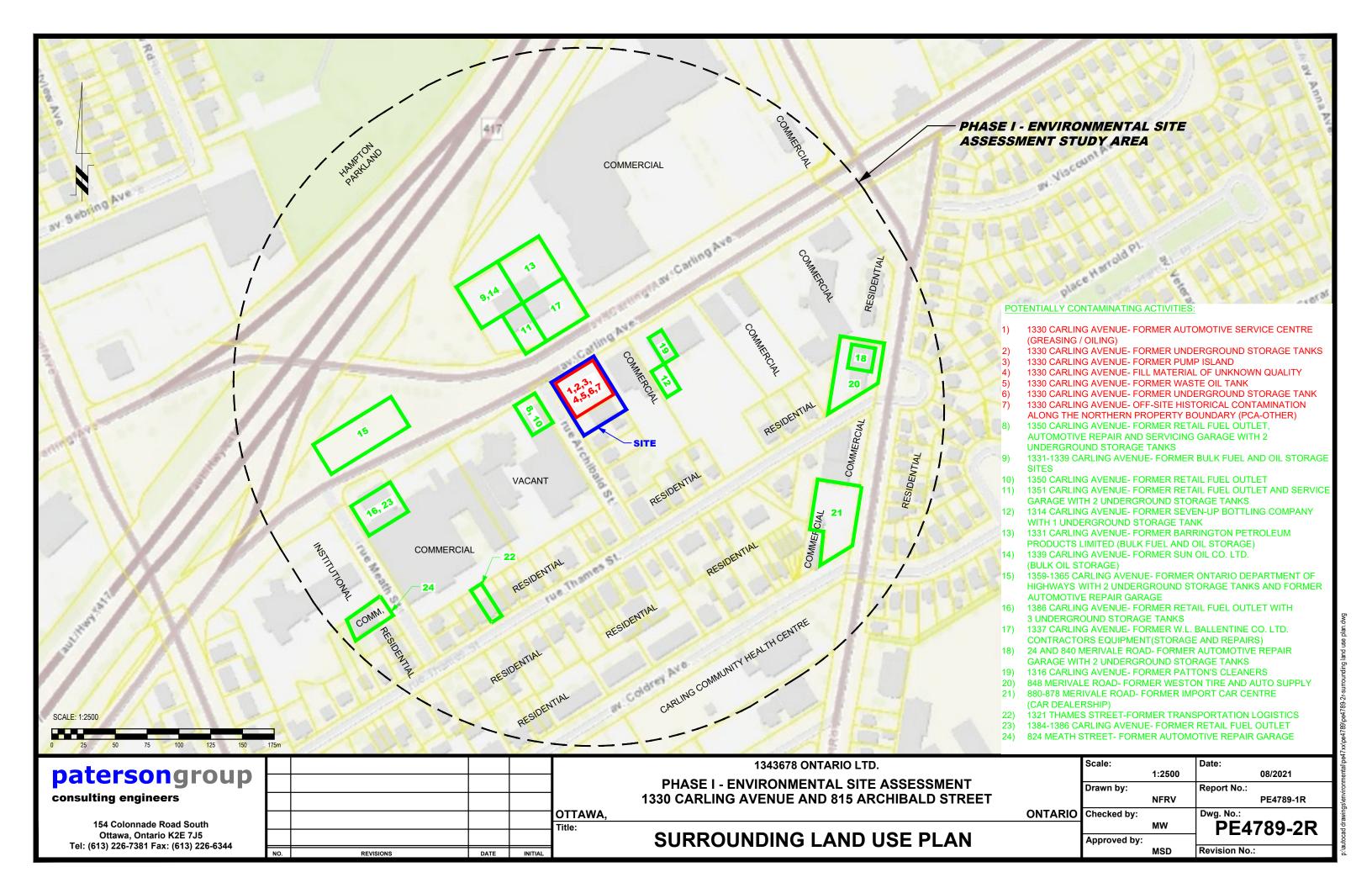
# FIGURE 1 KEY PLAN



# FIGURE 2 TOPOGRAPHIC MAP

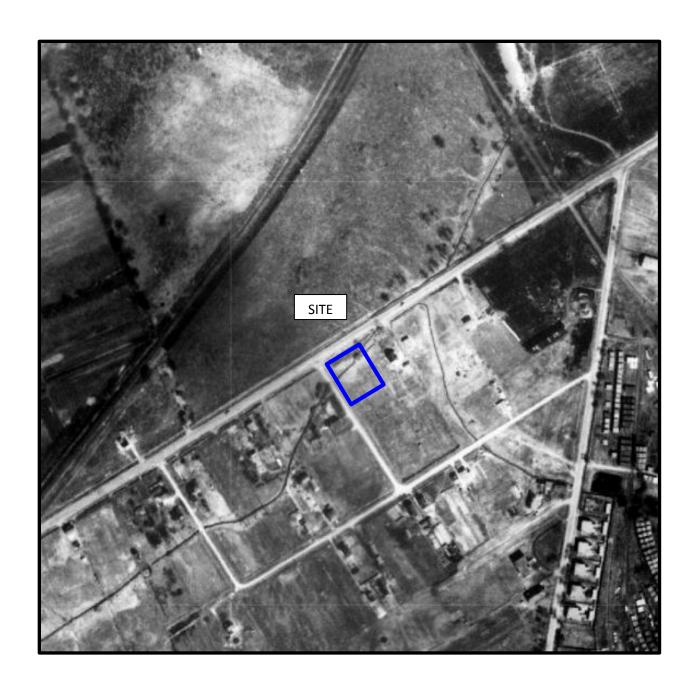
patersongroup.





# **APPENDIX 1**

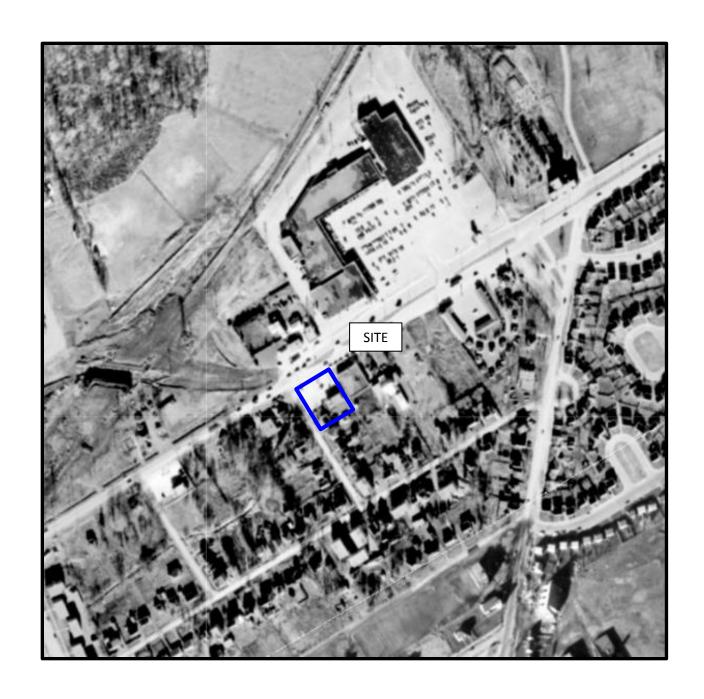
AERIAL PHOTOGRAPHS
SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH 1928



AERIAL PHOTOGRAPH 1945



AERIAL PHOTOGRAPH 1958

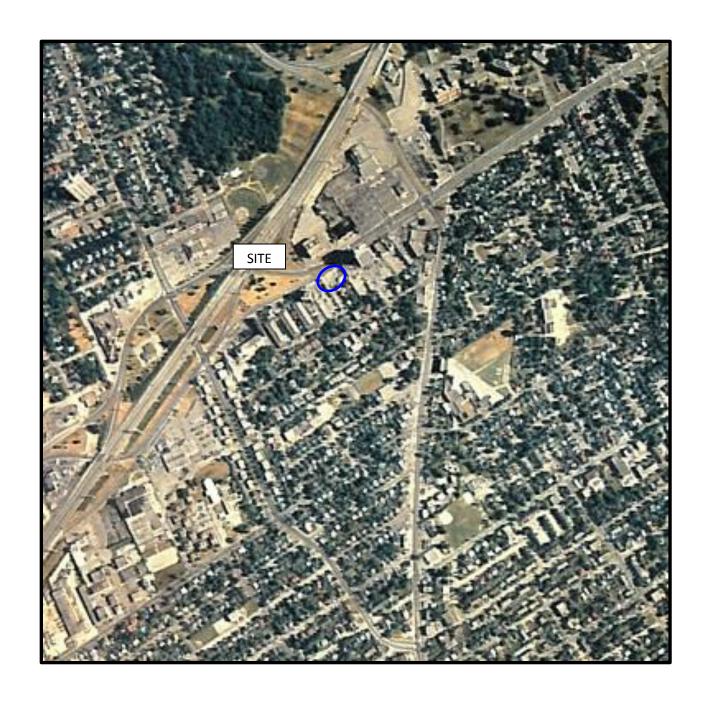


AERIAL PHOTOGRAPH 1965



AERIAL PHOTOGRAPH 1976

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AERIAL PHOTOGRAPH 1983



AERIAL PHOTOGRAPH 2002



AERIAL PHOTOGRAPH 2011



AERIAL PHOTOGRAPH 2017

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## **Site Photographs**

PE4789

1330 Carling Avenue and 815 Archibald Street – Ottawa, ON November 13, 2019



Photograph 1: View of the Phase I Property, taken from the Carling Avenue and Archibald intersection., looking southeast.



Photograph 2: Southern view of the Phase I Property and subject building, taken from Archibald Street, looking east.

# **APPENDIX 2**

CHAIN OF TITLE

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

TSSA CORRESPONDENCE

ERIS REPORT



## **READ Abstracts Limited**

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#### **ENVIRONMENTAL SEARCH**

PatersonGroup Attn: Mandy

#### **BRIEF DESCRIPTION OF LAND:**

1330 Carling and 815 Archibald, Ottawa Part Block 8, Plan 221 Part Lot 7, Lot 8, Plan 529

PIN: 04002-0009 (1330 Carling) 04002-0008 (815 Archibald)

LAST REGISTERED OWNER: 1343678 Ontario Ltd.

#### CHAIN OF TITLE:

Deed RO9276 registered Jan 5, 1856 From Allan Gilmour to Archibald Stevenson

Deed NP3677 registered Jun 9, 1875 From Archibald Stevenson to Donald Grant

Deed NP9090 registered Mar 10, 1883 From Archibald Stevenson to Thomas McTiernan

Vesting Order NP19663 registered Jun 19, 1903 To Jessie Stewart

Plan 221 registered Dec 7, 1903 By Jessie Stewart

#### Block 8, Plan 221

Deed NP22744 registered Jun 1, 1909 From Jessie Stewart to Louisa Johnston Deed NP22745 registered Jun 1, 1909 From Louisa and William Johnston to Isidore Laderoute

Deed NP22747 registered Jun 1, 1909 From Jessie Stewart to Louisa Johnston

Deed NP22933 registered Sep 7, 1909 From Louisa and William Johnston to Isidore Laderoute

Deed NP22952 registered Sep 11, 1909 From Isidore Laderoute to Elzear Chaput

Deed NP32411 registered Feb 14, 1919 From Elzear Chaput to Thomas McGrail

Deed NP62842 registered Jul 30, 1949 From Thomas McGrail to Hugh Johnson

Deed NP63496 registered Oct 7, 1949 From Hugh Johnson to Shell Oil Company of Canada Limited

Deed NP63555 registered Oct 13, 1949 From Hugh Johnson to Ainsley Shipman

Deed OT1022 registered Apr 14, 1950

From Shell Oil Company of Canada Limited to The Canada Life Assurance Company, The Imperial Life Assurance Company, and The Crown Life Insurance Company

Lease OT1023 registered Apr 14, 1950

From The Canada Life Assurance Company, The Imperial Life Assurance Company, and The Crown Life Insurance Company to Shell Oil Company of Canada Limited

Plan 529 registered Aug 2, 1950 (a subdivision of Part Block 8, Plan 221) By Ainsley Shipman (see Lot 7 and 8 below)

Deed CR594769 registered Jul 20, 1971

From The Canada Life Assurance Company, The Imperial Life Assurance Company, and The Crown Life Insurance Company to Shell Canada Limited

Deed LT1036830 registered Apr 7, 1997 From Shell Canada Limited to 1117018 Ontario Ltd.

Deed LT1414115 registered Aug 10, 2001 From 1117018 Ontario Ltd. To 1343678 Ontario Ltd.

### Lot 8 and part Lot 7, Plan 529

Deed OT3332 registered Sep 23, 1950 From Ainsley Shipman to Hugh Johnson

Deed OT4019 registered Nov 10, 1950 From Hugh Johnson to Raymond Potvin and Aline Potvin

Deed N665581 registered Jul 15, 1993 From Raymond Potvin and Aline Potvin to Monkey Joe's Ltd.

Deed LT1214486 registered Jul 26, 1999 From Monkey Joe's Ltd. To 1343678 Ontario Ltd.

#### All

Lease OC885833 registered Aug 6, 2008 To 1092158 Ontario Ltd.

Lease OC885834 registered Aug 6, 2008 To 1117018 Ontario Ltd.

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

Access and Privacy Office

12th Floor

40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075

Fax: (416) 314-4285

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

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

12" étage 40, avenue St. Clair ouest Toronto ON M4V 1M2

Tél.: (416) 314-4075 Téléc.: (416) 314-4285



November 7, 2019

Mandy Witteman Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5

**Dear Mandy Witteman:** 

RE: Freedom of Information and Protection of Privacy Act Request Our File # A-2019-07677, Your Reference PE4789

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of \$5.00 (non-refundable application fee), along with your \$30.00 deposit.

The search is being conducted on the following: 1330 Carling Avenue and 815 Archibald Street, Ottawa. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Eric Giang at eric.giang@ontario.ca.

Yours truly,

Dalia Bouganim

Manager (A), Access and Privacy





# OCCURENCE REPORT

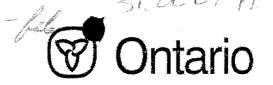
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Location of Occurence:		Source:			
OTTAWA CITY		RAYMOND POTVIN			
815 ARCHIBALD ST. OTTAWA					
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Reg: 4 Dist: OT Municipality: 20101		UTM:			
		N: [] E: [] Zone: []			
Entered:	ORIS No.	Abstracts:	Diaries:		
	9140200160				
Received By:	0110200100	Batch:	I. E. B. No.		
·		0	I. E. D. NO.		
NANCY BOON					
Occurence Type:	Subtype:	Occurence Date:	1991/02/24		
N	01				
Work Plan:		Occurence Time:	;		
Reported By: CHUCK M.	ACHRE	Papart to MOE : 1991/02	)/75 ·		
Reported by. CHOCK W.	NOINE	Report to MOE: 1991/02/25 :			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MOE at Scene: :			
Telephone No.	Alternate No.	Assigned To:	REG DOYLE		
613-225-0700 x	- ~ X				
Address:		ERP Contacted:	·		
1760 COURTWOOD CRE	SCENT	Callout: []	NSP: []		
OTTAWA, ONTARIO		ERP Name:			
Postal Code:					
Syn: OIL SPILLED TO GR	OUND				
Brief Summary:	***************************************		***************************************		
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File Closed: X Abatement	· IFR Other				
Suspected Violation:	A District Section 2				
Report Prepared By:	Date:	IEB Investigator:	IEB BF Date		
REG DOYLE	03/05/91	ind investigator.	icb br bate		
Approving Officer	Date:	Reviewing Officer:	Date		
GEORGE CLARKE	03/05/91				
Specify number(s) for rou	ıting Original [ ] [ ] [ ] [ ]	Contin	ued[]Yes		
Specify number(s) for cop	py distribution   [	][]			
1. Investigator/E.O.	2. D. O. /File	<ol><li>SAC (initial spills)</li></ol>			
4. Reg. Dir. / Mgr.	. 5. IEB Reg. Spv	6. IEB H.O./file	7. Other		
SAC Action Class: 1: 2:					
Material 1: OIL	<u></u>		Code : 13		
Amount :		UN No.:			
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Material 3:		Code:			
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Person in Control:				Waste GenNum :
Owner :				Waste GenNum :
Agencies Involved	*			
Clean up and Restoration	on Carried out by:			
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(Other than to Owner/C	ontroller) :			
Nature of Damage:				Code:
AND STATE OF THE PROPERTY OF T	\$500 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	******************************		

Ministry of Environment and Energy

2435 Holly Lane Ottawa ON K1V 7P2 Tei (613) 521-3450 Fax (613) 521-5437 Ministère de l'Environnement et de l'Énergie

2435 Holly Lane Ottawa ON K1V 7P2 Tél (613) 521-3450 Téléc (613) 521-5437



November 6, 1996

Mr. Kevin Secord General Manager Sewer Matic Services 1124 Cummings Avenue Ottawa, Ontario K1J 7R8

Dear Mr. Secord:

RE: Cave Creek Collector Rehabilitation Program
Bypass Pumping Pinhey & Ladouceur

This is in reply to your letter of November 5, 1996 concerning the above.

The proposal you have outlined is satisfactory, since it will not cause the discharge of sanitary sewage to the storm sewer outfall.

If you wish to discuss this further, please contact me.

Yours truly,

G.R. Clarke, P. Eng. Area Supervisor

GC/hf



5 NOVEMBER 1996

REFERENCE: LETCCCE.SAM

MINISTRY OF ENVIRONMENT AND ENERGY 2435 HOLLY LANE OTTAWA, ONTARIO

ATTN: GEORGE CLARK

NGV (14 1996

SUBJECT: CAVE CREEK COLLECTOR REHABILITATION PROGRAMA
PHASE III, CONTRACT CS 6129
BYPASS PUMPING PIHNEY AND LADOUCEUR

Dear Mr. Clark,

Sewer-matic Services has been awarded the project noted above. The work associated with this project requires that we bypass the up stream flow of the Cave Creek collector while we repair the lower 3 sections of pipe.

This sewer is a combined storm sanitary system with overflows to the City of Ottawa's storm sewers at various locations along the length of the Cave Creek Collector. We propose to use the overflow at Pihney street to divert the dry weather sanitary flow to the City of Ottawa's 2100mm storm sewer and then pick it back up one block north at Scott street and return the sanitary flow back to the Regional sanitary collection system at there West Nepean Collector also located at Scott street.

We will be using weirs strategically placed in the sewers to contain the dry weather flow for our pumping operation, in the event of a storm where the collector will be taking increased flow from surface run-off we will shut down our operation.

The weirs will be constructed so that we can open ports in the weir that will allow the normal dry weather flow rate to pass through in the event we shut down the pumping system.

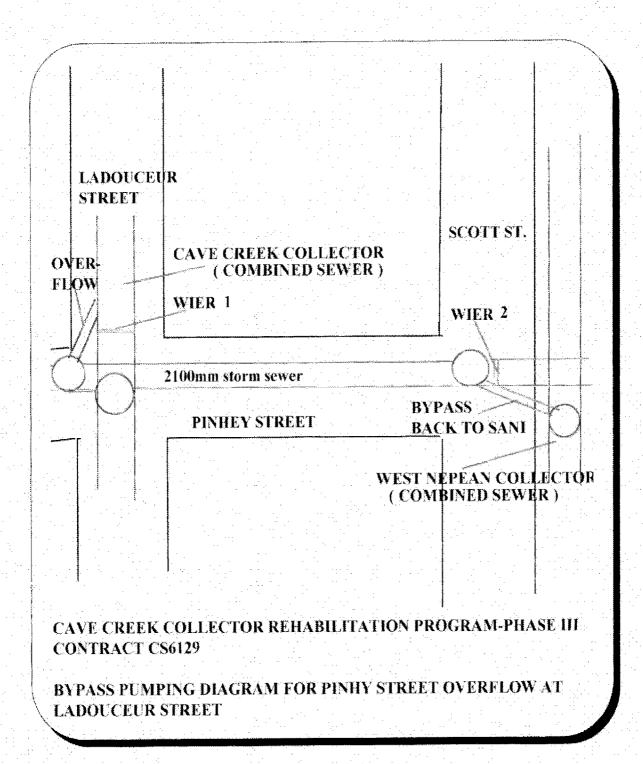
Upon completion of our work (approx. two months) we will flush the storm pipe we used for the bypass and vacuum up the debris before removing the pump and weir system from the storm sewer at Scott street.

I have included a diagram of the area we will be working in and hopefully give you a better idea of our bypass plan.

I hope this letter and diagram meet with your requirements and approval, and if you require any further information please contact the undersigned.

Regards

Kevin Secord general manager



Ministry of Environment and Energy

2435 Holly Lane Ottawa ON K1V 7P2 Tel (613) 521-3450 Fax (613) 521-5437



2435 Holly Lane Ottawa ON K1V 7P2 Tél (613) 521–3450 Téléc (613) 521–5437



July 23, 1996

Mr. Noel Finn, P.Eng. Senior Project Engineer Engineering Branch City of Ottawa 111 Sussex Drive Ottawa, Ontario K1N 5A1

Dear Noel;

Re: City of Ottawa, 1330 Carling Avenue, Former Shell Station

I have reviewed your proposal to abandon the section of storm sewer which crosses the former Shell Service Station property at 1330 Carling Avenue and have no objections. Please let me know if any contamination is encountered during the installation of the new pipe.

If you have any questions, please give me a call.

Yours truly;

Bryan D. Dickman,

Senior Environmental Officer.



#### **OTTAWA**

TAA L	UYEK	LEITER		
FICH	E D'A	COMPAGNEMENT	***	TELECOPIEUR

FAX COVER LETTER	FAX:	244-5428
FICHE D'ACCOMPAGNEMENT - TÉLÉCOPIEUR		
DA	TE: LG	Joh 96
PLEASE DELIVER THE FOLLOWING PAGE(S) TO: PRIÈRE DE TRANSMETTRE LES PAGES QUI SUIVENT A:	ı	
NAME/NON: BRYAN DICKMAN		
FIRM/ENTREPRISE: MOES	·	
CITY/VILLE:		
FROM/EXPEDITEUR: NOEL FINN		
DEPARTMENT/SERVICE: ENGINEERING AND WORKS: ENGINEERING	RANCH	
TOTAL NUMBER OF PAGES INCLUDING COVER LETTER NOMBRE DE PAGES FICHE D'ACCOMPAGNEMENT COMPRISE		
IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL 244-5300 EXT SI VOUS NE RECEVEZ PAS TOUTES LES PAGES, PRIERE DE RAPELE POSSIBLE.	. 3331 A R 244-530	IS SOON AS POSSIBLE TO EXT. <b>5330</b> 1 DES QU
MESSAGE/MESSAGE: 1330 CARLING AUT	·	
As per our conversation en brief for proposed works	losed	ن المناب
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## STORM SEWER DIVERSION ARCHIBALD AT CARLING AVE. PROJECT #2984 PROJECT DESIGN BRIEF

## BACKGROUND

A site investigation of 1330 Carling Ave, a former service station, has identified the presence of petroleum contaminated soil in excess of MOEE Level II criteria. The Ottawa District Office of the MOEE¹ has identified and catalogued the site. An existing 0.914m x 2.44m City of Ottawa Storm Sewer traverses the northwest corner of the property as shown in the attached Figure 1. Downstream from the connection of this storm sewer to the 1800mm City of Ottawa Collector, the presence of petroleum hydrocarbon has been detected.

#### **PROPOSAL**

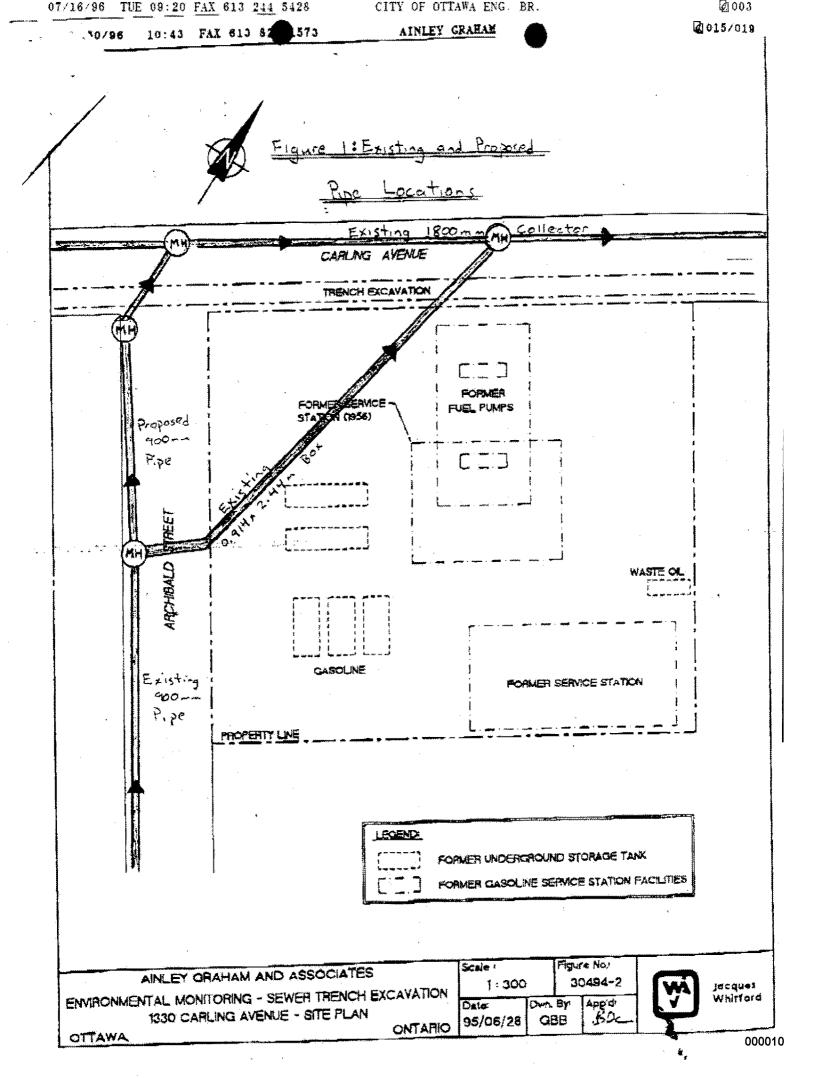
To eliminate the possible source of contamination, the City of Ottawa proposes to abandon the existing storm sewer. The proposal consists of two parts.

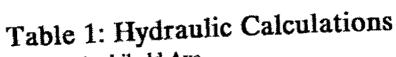
- (1) Replace the existing 0.914m x 2.44m storm sewer with a new 900mm storm sewer as shown in Figure 1 attached.
- (2) Plug the existing 0.914m x 2.44m storm sewer at the property line and fill with concrete.

As shown in Table 1, the proposed 900mm storm sewer exceeds the capacity of the existing 900mm sewer on Archibald.

The specifics of the proposed construction is shown in the attached plans.

<sup>&</sup>lt;sup>1</sup> Contact Brian Dickman





Archibald Ave. Project #2920

Q=1/n\*AR^(2/3)\*\$^(1/2)

	\$ ************************************	Hydraulic Radius (R)	Slope (\$) (%)	Capacity (Q)
	(m2)	0.23	0.3	1040
Existing Pipe (900mm)	0,66 2.23	0.50	0.1	6100
Existing Box (1.22m x 2.44m)	0.66	1 1 1	0.42	1240
named Dine (900mm)	U,UU			



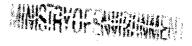
# Ainley Graham and Associates Limited Consulting Engineers and Planners

2724 Fenton Road, Gloucester, Ontario K1G 3N3 Tel (613) 822-1052 • Fax (613) 822-1573

July 24, 1995

File: 94013-4

Ontario Ministry of the Environment and Energy 2435 Holly Lane
Ottawa, Ontario
K1V 7P2



JUL 2 7 1995

Atm:

Bryan Dickman

Senior Environmental Officer

OTTAWA

Ref:

Cave Creek Collector Sewer Upgrade

Contaminated Soils Investigations

1330 Carling Avenue (old Shell Retail Outlet)

Dear Mr. Dickman.

Enclosed for your files, please find a copy of the "Environmental Monitoring of Trench Excavation - RMOC Property Adjacent to 1330 Carling Avenue" report recently completed by the firm of Jacques Whitford Environment Limited. This report follows the monitoring program undertaken during the construction of the Cave Creek Collector Sewer on Carling by the RMOC.

We trust that you will find the report satisfactory.

Yours very truly,

AINLEY GRAHAM AND ASSOCIATES LIMITED

John D. Krug, P.Eng.

Director, Municipal Engineering

encl.

cc. Steve Forestell (RMOC)

COLLINGWOOD







BELLEVILLE OTTAWA





#### jacques Whitford Environment Limited

Consulting Engineers Environmental Scientists 2781 Lancaste: Road Suite 200 Ottawa, Chiarlo Canada: K18 187

Tel; 513 /38 0700 Fax: 613 730 0721 Environme dat Tropact Assessment Christophia Engineering Environmental Engineering Environmental Hydrogeology Air Charty Esblic Consultation Anstessungy & Herbage Planning

Geoleofiniczi Engineenie: Materials Engineeling & Research Minag Engineeling

Project No. 30494

Dartmach, NS Sydney, NS Port Hawkerbury, NS Saint John, NB Erectariotors, NB Mondon, MV Baltuia, NE Charintelown, PE El John's, NE Loaver Brown, No Hull, PQ Ottawa, ON Turanto, ON Cathory, All Porlland, ME Mexico, DF

M-RICOW

1 1

June 28, 1995

Mr. John Krug Ainley Graham and Associates Limited 2724 Fenton Road Gloucester, Ontario K1G 3N3

Dear Mr. Krug:

Re:

Environmental Monitoring of Trench Excavation

RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario

#### 1.0 INTRODUCTION

Jacques Whitford Environment Limited (JWEL) was retained by Ainley Graham and Associates Limited to perform environmental monitoring activities during the excavation of the trench for the Cave Creek Collector sewer line at the above noted location in Ottawa (see Key Plan, Figure 30494-1).

The objective of the monitoring program was to identify petroleum hydrocarbon contaminated subsoils during trench excavation and segregate the soils for appropriate disposal prior to the installation of the proposed Cave Creek sanitary relief system. Monitoring of groundwater flowing into the trench and other associated environmental concerns was also undertaken.

The presence of contaminated soils in the area to be excavated was previously identified by JWEL in a Phase II Environmental Site Assessment (ESA) report dated December 16, 1994. As part of the Phase II ESA investigation, soil samples were collected from two boreholes drilled along the area to be excavated for sewer placement. Laboratory analysis of one of the soil samples detected concentrations of ethylbenzene, xylenes, and total petroleum hydrocarbons in excess of the applicable Ontario Ministry of the Environment and Energy (MOEE) Level II soil remediation criteria. Concentrations of these parameters were detected in the soil sample at levels 2 to 18 greater than times the concentrations specified by the criteria.



Mr. J. Krug Page 2 June 28, 1995

The subject site is adjacent to a gravel covered, vacant lot located at the southeast corner of Carling Ave. and Archibald St. (see Figure 30494-2). Land use to the north of this vacant lot is the Carling Avenue Queensway ramps and the Westgate Shopping Mall; to the south is residential; to the east is commercial (Salvation Army) and to the west is a commercial (hotel and parking garage).

The scope of work for the environmental monitoring included the following:

- Sampling of soils excavated from the sewer trench;
- Segregation and disposal of contaminated soils;
- Laboratory analysis soil samples; and
- Report preparation.

While on site JWEL personnel also monitored groundwater inflow into the excavated trench. Based on data reported by JWEL in the Phase II Environmental ESA report, the flow of contaminated groundwater into the excavation was not expected to be a concern based on local soil conditions and the depth to the groundwater table. Laboratory analysis of groundwater was not within the scope of the environmental monitoring work.

#### 2.0 METHODOLOGY

## 2.1 Environmental Monitoring

On May 12, 15, and 16, 1995, JWEL personnel were on site to monitor the trench excavation being conducted for the placement of the Cave Creek Collector sewer line. The section of trench excavated is shown on Figure No. 30494-2. The trench was approximately 3.2 m wide and had a depth of 4.0 m below ground surface.

The criteria for excavation was to remove petroleum hydrocarbon contaminated subsoils encountered within the excavated trench. As a practical method of identifying hydrocarbon contaminated subsoils during excavation, a field excavation criteria of petroleum odours and/or petroleum staining was adopted. A Tracetechtor portable hydrocarbon surveyor, calibrated to hexane, was used to analyse petroleum hydrocarbon derived vapour concentrations in field samples.

Mr. J. Krug Page 3 June 28, 1995

Soil was sampled from the bucket of the excavator. It was not possible to sample the excavation sidewalls due to the placement of a trench box within the excavation. JWEL logged the soil stratigraphy and structure and immediately placed the soil samples collected into tightly sealed, double plastic sample bags. Petroleum derived combustible vapour concentrations were measured in the soil sample headspace using the Tracetechtor. Samples were stored in a cooler with ice packs until delivery to the analytical laboratory.

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact.

Concrete dykes were installed by the contractor at approximately the east and west property lines of 1330 Carling Avenue (see Figure No. 30494-3). The dykes were installed to prevent any subsequent seepage of petroleum hydrocarbon contaminated groundwater from travelling along the pipe trench past the property boundaries.

## 2.2 Laboratory Testing

Laboratory testing parameters are determined based on contamination concerns arising from the historical and present land use of the subject site and surrounding properties. The vacant lot adjacent to the trench excavation was formerly a gasoline service station and therefore samples were analysed for petroleum hydrocarbons.

Soil samples GS3, GS5, GS14, and GS27 were analysed for Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) and Total Petroleum Hydrocarbons (TPH). The samples were chosen based on combustible vapour readings and their location along the trench. Samples GS3 and GS27 are representative of non-contaminated soil and were collected from areas before and after the section of contaminated soil, respectively. Sample GS5 was collected when hydrocarbon staining was first encountered and sample GS14 was selected from the approximate centre of the stained area.

Samples were submitted to Accutest Laboratories Ltd., of Nepean, Ontario.



Mr. J. Krug Page 4 June 28, 1995

#### 3.0 RESULTS

#### 3.1 Subsurface Conditions

The subsurface soil stratigraphy observed along the trench consisted generally of asphalt, concrete, sand and gravel fill, sand fill, grey silt and sand with cobbles, and silty clay. A detailed description of the local subsurface stratigraphy can be found in the Jacques Whitford Limited Geotechnical Investigation report prepared for Ainley Graham and Associates Limited in September 1994.

Petroleum derived combustible vapour concentrations in soil ranged from below the detection limit to 18% LEL. Measurements are noted on Figure 30494-3, Appendix 1.

During the trench excavation, 222 tonnes of soil were designated by JWEL to be hydrocarbon contaminated, based on field criteria. The zone of contamination is shown on figure 30494-3. This soil was removed from site and hauled to Laidlaw's Carp Road waste disposal facility.

## 3.2 Site Sensitivity

A Site Sensitivity Assessment (SSA), presented as Figure No. 30494-4, was conducted in accordance with the MOEE Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites (August 1993). Based on the available information the site was classified as a Level II or moderately sensitive site. The main reasons behind the classification are as follows:

- No land use change is intended;
- The ground water is not used as a potable water source;
- The site is municipally serviced;
- The water table is at or above the bottom of the service trenches; and
- The hydraulic conductivity of the soils is 10<sup>-5</sup> cm/sec.

Mr. J. Krug Page 5 June 28, 1995

#### 3.3 Soil Contamination

To evaluate issues related to the protection of human health and the environment, JWEL used environmental quality criteria for soil from the SSA, (Level II).

Table 1 presents the results of soil analyses and relevant remediation criteria. Significant concentrations of Total Petroleum Hydrocarbons were detected in soil samples GS5 and GS14, collected from the area where staining was observed. A low concentration of TPH was also detected in GS3. However, all other hydrocarbon parameters in GS3 and GS27, which were collected outside of the area observed to be contaminated, were not detectable.

The petroleum hydrocarbon impacted soils, identified by staining and hydrocarbon odour were noted to occur between approximately 1.5 to 3.0 metres below grade.

#### 3.4 Groundwater

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact. Water observed in the trench resulted from groundwater inflow and the occasional puncturing of a storm sewer line that neighboured the excavated trench and was to be replaced. Water was pumped from the trench and into either the neighbouring storm sewer or the newly constructed portion of the Cave Creek collector by Regional Municipality of Ottawa Carleton (RMOC) personnel. No groundwater contamination originating from the excavation work was observed.

Groundwater sampling and analysis was not within the scope of work for the environmental monitoring program and therefore no laboratory analysis was undertaken.

#### 4.0 CONCLUSIONS

Based on the Environmental Monitoring Program carried out at the RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario during the excavation of the Cave Creek sewer relief trench, the following conclusions are made:

Based on field excavation criteria, hydrocarbon impact in the sewer trench excavation was limited to a soil horizon from 1.5 m to 3.0 m below ground surface for a length of approximately 25 m along the trench.



Mr. J. Krug Page 6 June 28, 1995

- A total of 222 tonnes of this soil (approximately 110 m³) was segregated by JWEL during excavation and disposed of at the Laidlaw disposal facility in Carp, Ontario
- Soil samples collected from the trench excavation were found by laboratory analysis to contain petroleum hydrocarbon concentrations below the MOEE Level II criteria.
- No environmental impact associated with the inflow of contaminated groundwater into the excavated trench was observed.
- Concrete dykes were installed in the pipe trench to the east and west of the impacted section of soil to prevent subsequent seepage of hydrocarbon contaminated groundwater from travelling along the pipe trench.

#### 5.0 CLOSURE

The site characteristics and conclusions provided are based on information obtained on limited sampling carried out at the specific test locations. The results can only be extrapolated to an undefined area around the test locations.

The conclusions presented represent the best judgement of the assessor based on current environmental standards. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, JWEL requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

Yours truly,

JACQUES WHITFORD ENVIRONMENT LIMITED

Bruce D. Cechrane, B.Sc

Project Manager Attachments Gordon J. Kack, P.Eng. Regional Vice President

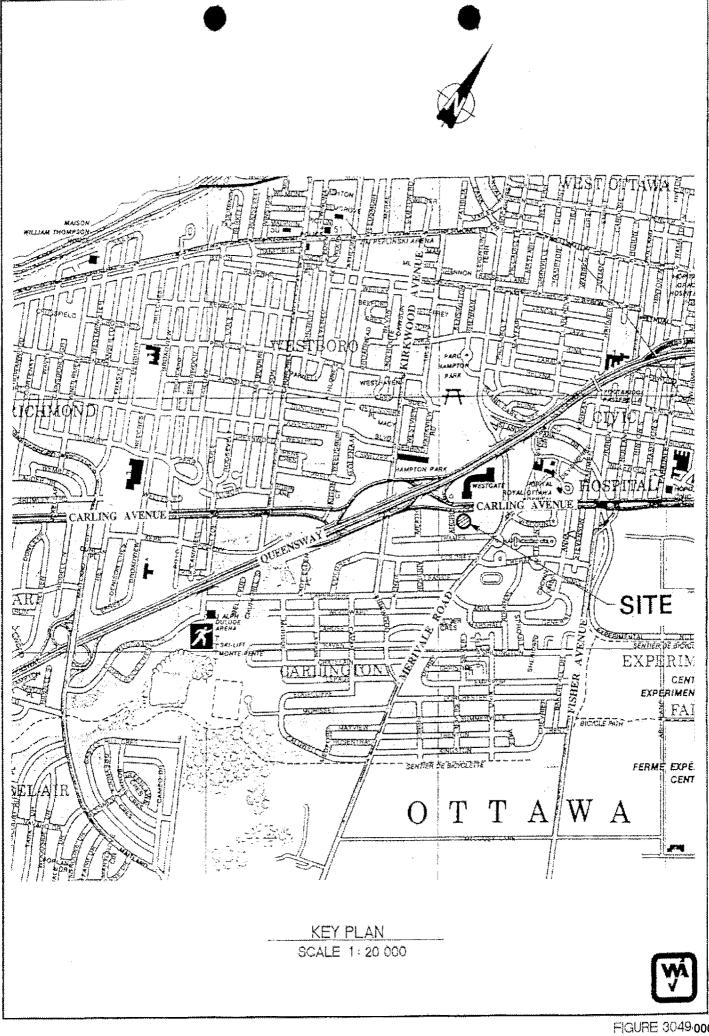
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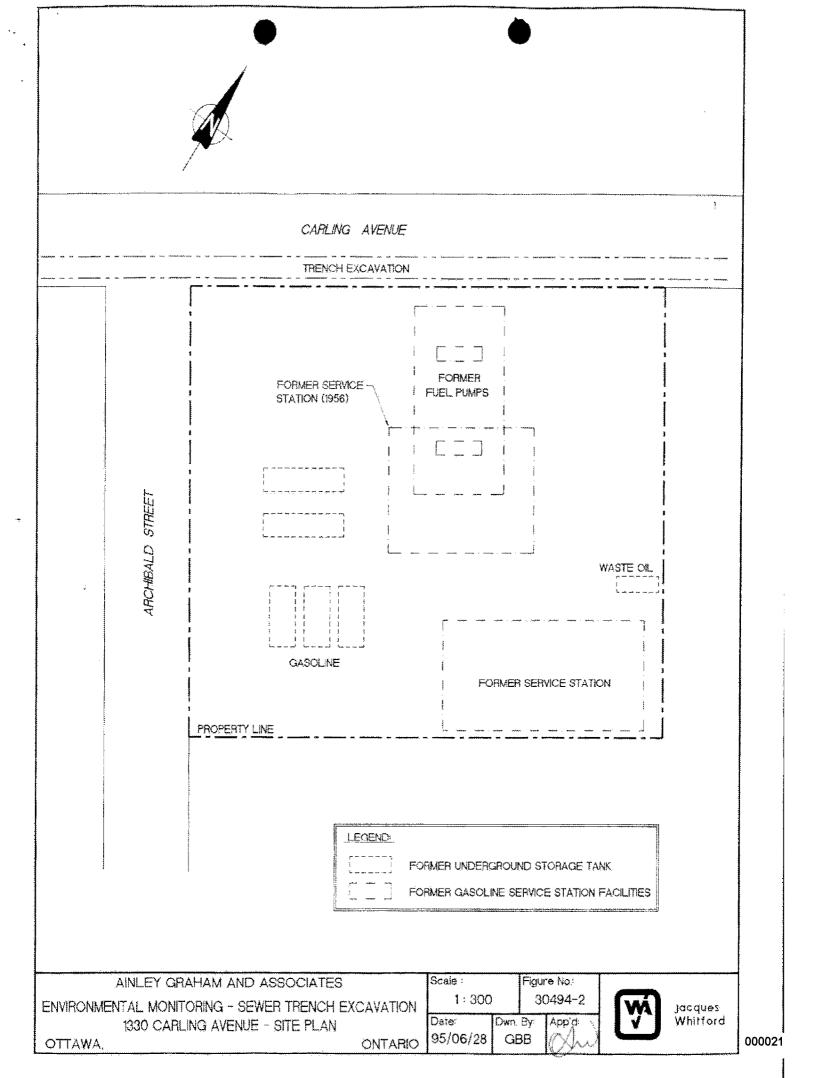
**FIGURES** 

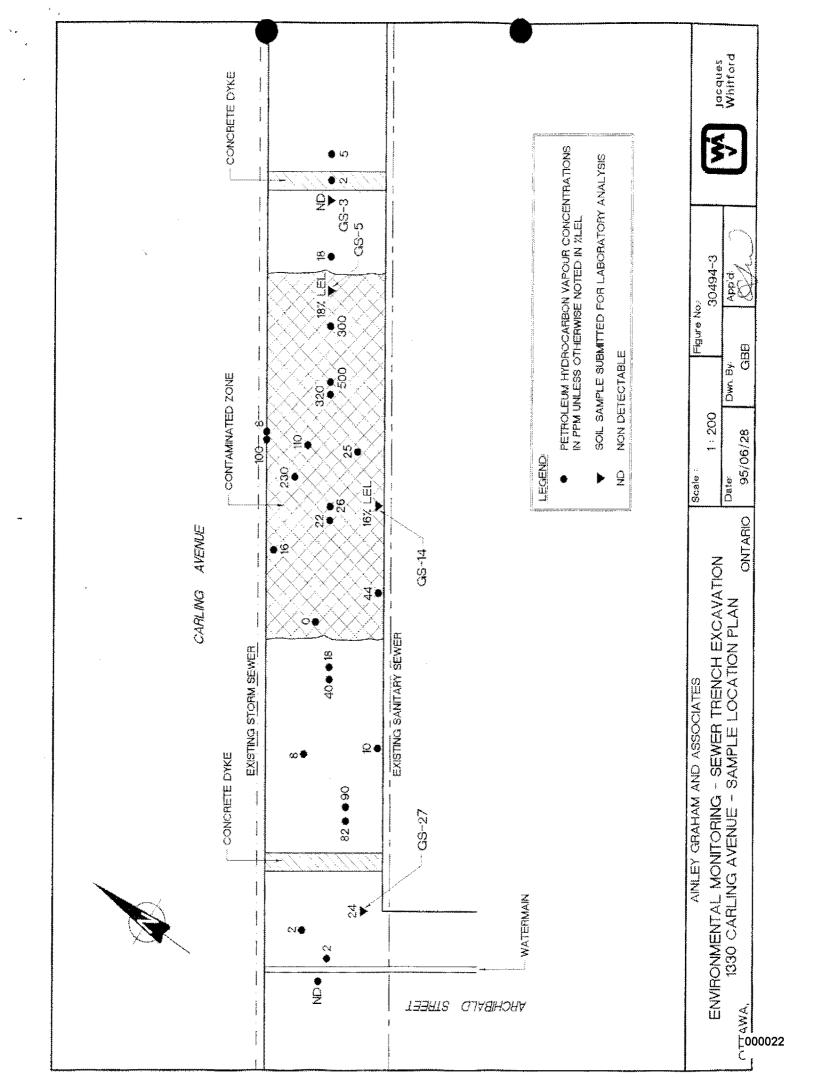


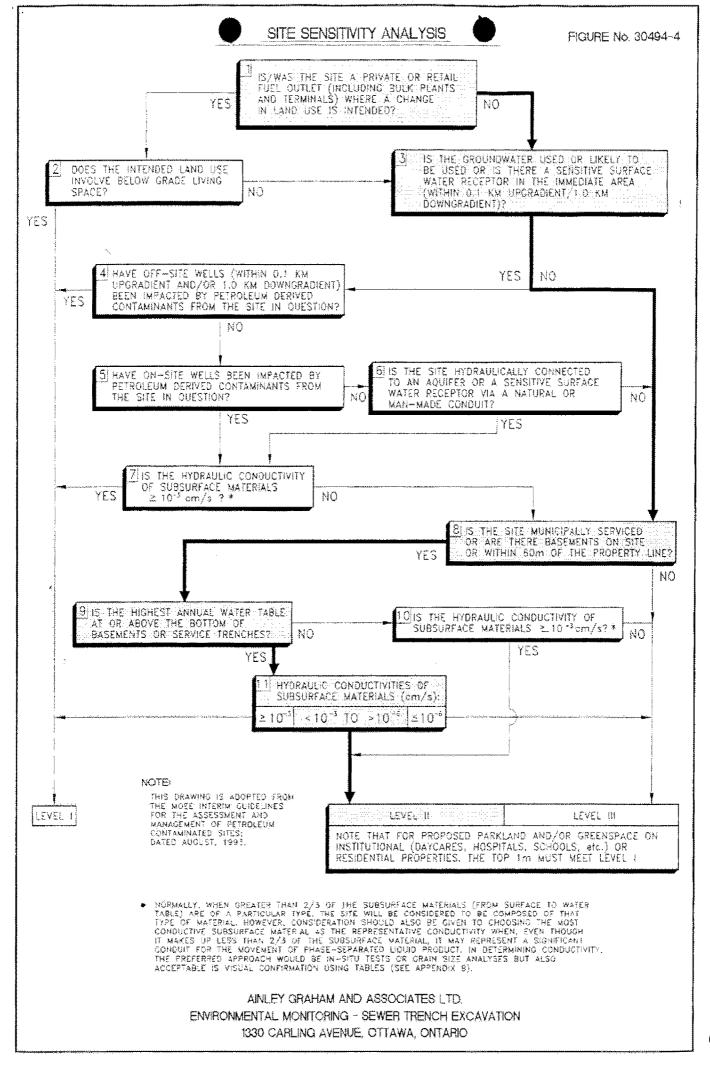
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**TABLES** 





#### Table 1 Soil Hydrocarbon Chemistry

# Cave Creek Collector Upgrade, Ottawa, Ontario JWEL Project No. 30494

Sample Location	Depth (m)	Date	BTEX Parameters (mg/kg or ppm)				Total Petroleum	Mineral Oil and Grease	
			Benzene	Toluene	Ethyl Benzene	Xylenes	Hydrocarbons (TPH) (mg/kg)	(MOG) (mg/kg)	
GS3	2.0	95/05/12	nd	nd	nd .	nd	43	nd	
GS5	2,0	95/05/12	nd	nd	0.9	1.0	760	nd .	
GS14	2.5	95/05/15	nd	nd	0.2	1.5	391	100	
GS27	2,5	95/05/16	nd	nd	nd	nd	nd	nd	
MOEE Leve	el II Criteri	a	0.5	10.0	5.0	5.0	1000	5000	

Note: 1. Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites in Ontario, (MOEE, August 1993).

2. nd - not detectable





# Ainley Graham and Associates Limited

Consulting Engineers and Planners

2724 Fenton Road, Gloucester, Ontario K1G 3N3 Tel (613) 822-1052 • Fax (613) 822-1573

August 2, 1995

File: 94013-4

Ontario Ministry of the Environment and Energy 2435 Holly Lane Ottawa, Ontario K1V 7P2



Bryan Dickman Attn:

Senior Environmental Officer

AUG - 3 1995

OTTAMA

Cave Creek Collector Sewer Upgrade Ref:

> Contaminated Soils Investigations - Final Report 1330 Carling Avenue (old Shell Retail Outlet)

Dear Mr. Dickman.

Enclosed, please find the final copy of the "Environmental Monitoring of Trench Excavation -RMOC Property Adjacent to 1330 Carling Avenue" report recently completed by the firm of Jacques Whitford Environment Limited. This report follows the monitoring program undertaken during the construction of the Cave Creek Collector Sewer on Carling by the RMOC.

This final copy should replace the draft copy sent to you on July 24, 1995.

We trust that you will find the report satisfactory.

Yours very truly,

AINLEY GRAHAM AND ASSOCIATES LIMITED

John D. Krug, P.Eng.

Director, Municipal Engineering

encl.

CC.

Steve Forestell

(RMOC)

Paul MacDonald

(City of Ottawa)

David Ailles

COLLINGWOOD

(City of Ottawa)



BARRIE



BELLEVILLE

**OTTAWA** 





#### Jacques Whitford Environment Limited

Consulting Engineers
Environmental Scientists

2791 Lancaste: Road Suite 200 Ottawa, Ontario Canada K18 1A7

Tel: \$13.38 \$760 Fax. 613 730 \$781 Environmental Impact Assessment Christonnental Engineering Environnental Protection Planning Hydrogeology Air Charles Eublic Consultation Anchaedogy & Herlage Planning

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Project No. 30494

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Mexico, ST

Mascow

August 1, 1995

Mr. John Krug
Ainley Graham and Associates Limited
2724 Fenton Road
Gloucester, Ontario K1G 3N3

Dear Mr. Krug:

Re: Environmental Monitoring of Trench Excavation

RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario

#### 1.0 INTRODUCTION

Jacques Whitford Environment Limited (JWEL) was retained by Ainley Graham and Associates Limited to perform environmental monitoring activities during the excavation of the trench for the Cave Creek Collector sewer line at the above noted location in Ottawa (see Key Plan, Figure 30494-1).

The objective of the monitoring program was to identify petroleum hydrocarbon contaminated subsoils during trench excavation and segregate the soils for appropriate disposal prior to the installation of the proposed Cave Creek sanitary relief system. Monitoring of groundwater flowing into the trench and other associated environmental concerns was also undertaken.

The presence of contaminated soils in the area to be excavated was previously identified by JWEL in a Phase II Environmental Site Assessment (ESA) report dated December 16, 1994. As part of the Phase II ESA investigation, soil samples were collected from two boreholes drilled along the area to be excavated for sewer placement. Laboratory analysis of one of the soil samples detected concentrations of ethylbenzene, xylenes, and total petroleum hydrocarbons in excess of the applicable Ontario Ministry of the Environment and Energy (MOEE) Level II soil remediation criteria. Concentrations of these parameters were detected in the soil sample at levels 2 to 18 greater than times the concentrations specified by the criteria.



Mr. J. Krug Page 2 August 1, 1995

The subject site is adjacent to a gravel covered, vacant lot located at the southeast corner of Carling Ave. and Archibald St. (see Figure 30494-2). Land use to the north of this vacant lot is the Carling Avenue Queensway ramps and the Westgate Shopping Mall; to the south is residential; to the east is commercial (Salvation Army) and to the west is a commercial (hotel and parking garage).

The scope of work for the environmental monitoring included the following:

- · Sampling of soils excavated from the sewer trench:
  - Segregation and disposal of contaminated soils;
- · Laboratory analysis soil samples; and
- Report preparation.

While on site JWEL personnel also monitored groundwater inflow into the excavated trench. Based on data reported by JWEL in the Phase II Environmental ESA report, the flow of contaminated groundwater into the excavation was not expected to be a concern based on local soil conditions and the depth to the groundwater table. Laboratory analysis of groundwater was not within the scope of the environmental monitoring work.

#### 2.0 METHODOLOGY

# 2.1 Environmental Monitoring

On May 12, 15, and 16, 1995, JWEL personnel were on site to monitor the trench excavation being conducted for the placement of the Cave Creek Collector sewer line. The section of trench excavated is shown on Figure No. 30494-2. The trench was approximately 3.2 m wide and had a depth of 4.0 m below ground surface.

The criteria for excavation was to remove petroleum hydrocarbon contaminated subsoils encountered within the excavated trench. As a practical method of identifying hydrocarbon contaminated subsoils during excavation, a field excavation criteria of petroleum odours and/or petroleum staining was adopted. A Tracetechtor portable hydrocarbon surveyor, calibrated to hexane, was used to analyse petroleum hydrocarbon derived vapour concentrations in field samples.

Mr. J. Krug Page 3 August 1, 1995

Soil was sampled from the bucket of the excavator. It was not possible to sample the excavation sidewalls due to the placement of a trench box within the excavation. JWEL logged the soil stratigraphy and structure and immediately placed the soil samples collected into tightly sealed, double plastic sample bags. Petroleum derived combustible vapour concentrations were measured in the soil sample headspace using the Tracetechtor. Samples were stored in a cooler with ice packs until delivery to the analytical laboratory.

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact.

Concrete dykes were installed by the contractor at approximately the east and west property lines of 1330 Carling Avenue (see Figure No. 30494-3). The dykes were installed to prevent any subsequent seepage of petroleum hydrocarbon contaminated groundwater from travelling along the pipe trench past the property boundaries.

### 2.2 Laboratory Testing

Laboratory testing parameters are determined based on contamination concerns arising from the historical and present land use of the subject site and surrounding properties. The vacant lot adjacent to the trench excavation was formerly a gasoline service station and therefore samples were analysed for petroleum hydrocarbons.

Soil samples GS3, GS5, GS14, and GS27 were analysed for Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) and Total Petroleum Hydrocarbons (TPH). The samples were chosen based on combustible vapour readings and their location along the trench. Samples GS3 and GS27 are representative of non-contaminated soil and were collected from areas before and after the section of contaminated soil, respectively. Sample GS5 was collected when hydrocarbon staining was first encountered and sample GS14 was selected from the approximate centre of the stained area.

Samples were submitted to Accutest Laboratories Ltd., of Nepean, Ontario.





Mr. J. Krug Page 4 August 1, 1995

#### 3.0 RESULTS

#### 3.1 Subsurface Conditions

The subsurface soil stratigraphy observed along the trench consisted generally of asphalt, concrete, sand and gravel fill, sand fill, grey silt and sand with cobbles, and silty clay. A detailed description of the local subsurface stratigraphy can be found in the Jacques Whitford Limited Geotechnical Investigation report prepared for Ainley Graham and Associates Limited in September 1994.

Petroleum derived combustible vapour concentrations in soil ranged from below the detection limit to 18% LEL. Measurements are noted on Figure 30494-3, Appendix 1.

During the trench excavation, 222 tonnes of soil were designated by JWEL to be hydrocarbon contaminated, based on field criteria. The zone of contamination is shown on figure 30494-3. This soil was removed from site and hauled to Laidlaw's Carp Road waste disposal facility.

# 3.2 Site Sensitivity

A Site Sensitivity Assessment (SSA), presented as Figure No. 30494-4, was conducted in accordance with the MOEE Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites (August 1993). Based on the available information the site was classified as a Level II or moderately sensitive site. The main reasons behind the classification are as follows:

- No land use change is intended:
- The ground water is not used as a potable water source;
- The site is municipally serviced;
- The water table is at or above the bottom of the service trenches; and
- The hydraulic conductivity of the soils is 10<sup>-5</sup> cm/sec.

Mr. J. Krug Page 5 August 1, 1995

#### 3.3 Soil Contamination

To evaluate issues related to the protection of human health and the environment, JWEL used environmental quality criteria for soil from the SSA, (Level II).

Table 1 presents the results of soil analyses and relevant remediation criteria. Significant concentrations of Total Petroleum Hydrocarbons were detected in soil samples GS5 and GS14, collected from the area where staining was observed. A low concentration of TPH was also detected in GS3. However, all other hydrocarbon parameters in GS3 and GS27, which were collected outside of the area observed to be contaminated, were not detectable.

The petroleum hydrocarbon impacted soils, identified by staining and hydrocarbon odour were noted to occur between approximately 1.5 to 3.0 metres below grade.

#### 3.4 Groundwater

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact. Water observed in the trench resulted from groundwater inflow. Water was pumped from the trench into the newly constructed portion of the Cave Creek collector by the contractor. No groundwater contamination originating from the excavation work was observed.

Groundwater sampling and analysis was not within the scope of work for the environmental monitoring program and therefore no laboratory analysis was undertaken.

#### 4.0 CONCLUSIONS

Based on the Environmental Monitoring Program carried out at the RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario during the excavation of the Cave Creek sewer relief trench, the following conclusions are made:

- Based on field excavation criteria, hydrocarbon impact in the sewer trench excavation was limited to a soil horizon from 1.5 m to 3.0 m below ground surface for a length of approximately 25 m along the trench.
- A total of 222 tonnes of this soil (approximately 110 m³) was segregated by JWEL during excavation and disposed of at the Laidlaw disposal facility in Carp, Ontario



Mr. J. Krug Page 6 August 1, 1995

- Soil samples collected from the trench excavation were found by laboratory analysis to contain petroleum hydrocarbon concentrations below the MOEE Level II criteria.
- No environmental impact associated with the inflow of contaminated groundwater into the excavated trench was observed.
- Concrete dykes were installed in the pipe trench to the east and west of the impacted section of soil to prevent subsequent seepage of hydrocarbon contaminated groundwater from travelling along the pipe trench.

#### 5.0 CLOSURE

The site characteristics and conclusions provided are based on information obtained on limited sampling carried out at the specific test locations. The results can only be extrapolated to an undefined area around the test locations.

The conclusions presented represent the best judgement of the assessor based on current environmental standards. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, JWEL requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

Yours truly,

JACQUES WHITFORD ENVIRONMENT LIMITED

Bruce D. Cochrane, B.Sc.

Project Manager

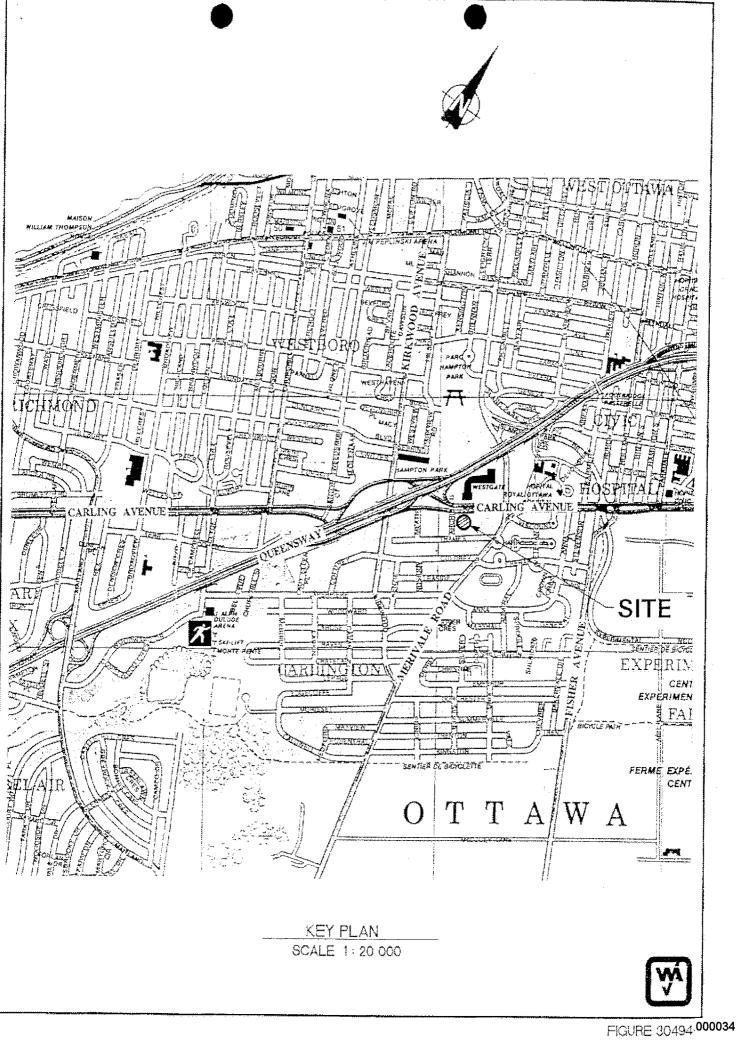
Gordon J. Kack, P.Eng. Regional Vice President

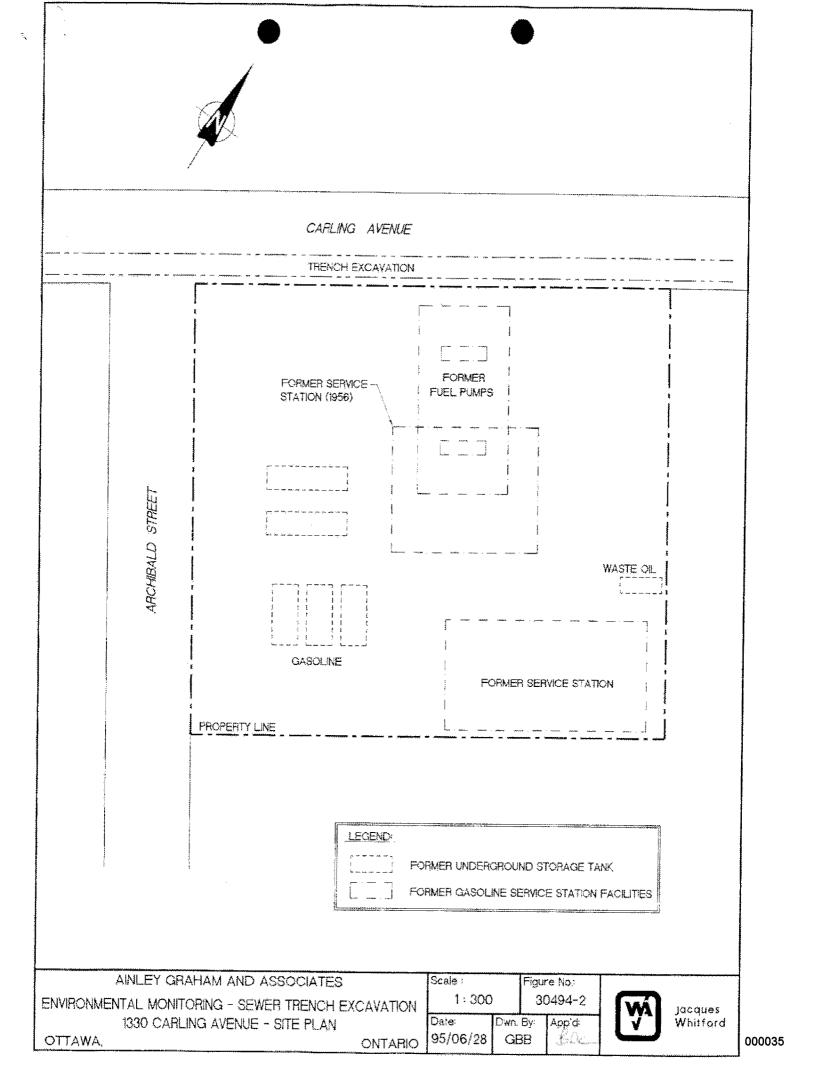
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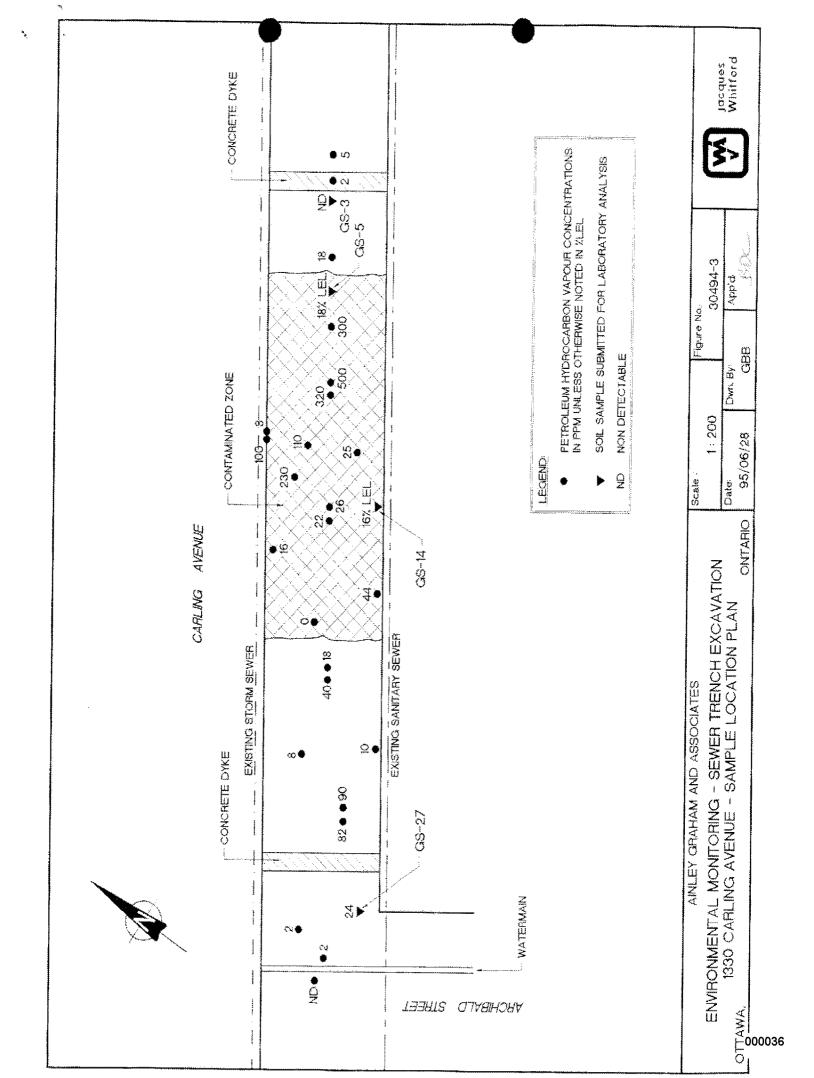
**FIGURES** 

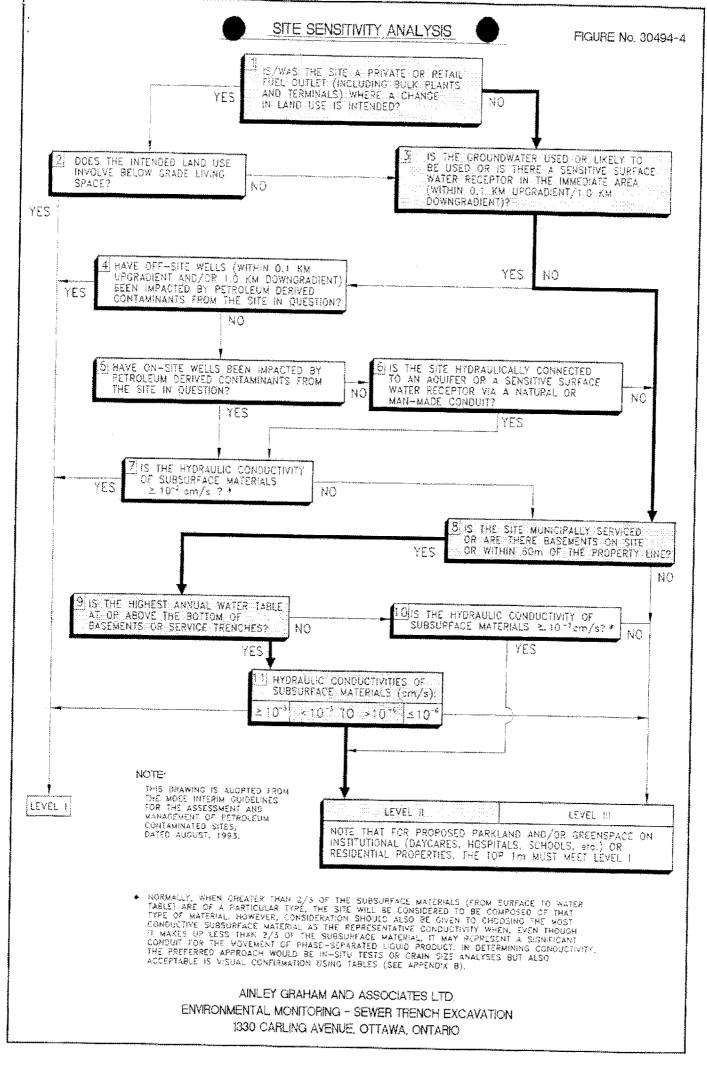












**TABLES** 



## Table 1 Soil Hydrocarbon Chemistry

# Cave Creek Collector Upgrade, Ottawa, Ontario JWEL Project No. 30494

Sample Location	Depth (m)	Date	BTEX Parameters (mg/kg or ppm)				Total Petroleum	Mineral Oil and Grease
			Benzene	Toluene	Ethyl Benzene	Xylenes	Hydrocarbons (TPH) (mg/kg)	(MOG) (mg/kg)
GS3	2.0	95/05/12	nd	nd	nd	nd	43	nd
GS5	2.0	95/05/12	nd	nd	0.9	1.0	760	nd
GS14	2.5	95/05/15	nd	nd	0.2		391	100
GS27	2.5	95/05/16	nd	nd	nd	nd	nd	nd
MOEE Level II Criteria,			0.5	10.0	5.0	5.0	1000	5000

Note: 1. Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites in Ontario, (MOEE, August 1993).

2. nd - not detectable



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# Ainley Graham and Associates Limited FAX TRANSMITTAL

2724 Faston Road, Gloucester, Ontario K1G 3N3 Tel (613) 822-1052 · Fax (613) 822-1573

TEMPORARY ADDRESS - SUITE 100, 179 COLONNADE ROAD S., NEPEAN, ONTARIO K2E 7.J4

To:	Brian	DICKMAN	Сотрапу:	MUSE	Fax:	521-5437
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1330 Carling (shed)

- what about groundwater?

- if petroleum product Soud in SHY why was it not

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- Figure L - where was heating at tank iscard toutent

page 4- who owned toperated the vacuum truck that semmed free product? (approved?)

- how did they arrived at 10% LEL elean-up criteria

- what about metals, solvents (chlorioted + non-abr)

Under service bays Cany eleor drains paracles 000042

etc. in boxes prior to demolition

- get earlier reports - 53 outside execution zone? write letter to shell, c.C. Dennis Cafleur Pieng



Ministry of Commercial

Ministère de la Consumer and Consommation et du Relations Commerce

Technical Div Standards des normes Division techniques

Fuels Safety Branch

3300 Blook Street West Shipp Centre - West Tower Etobicoke, Ontario M8X 2X4

3366, rue Binor ouest Centre Shipp - Tour cuest Etobicoke (Ontario) M8X 2X4

Fax: 416/963-2018

Tel: 416/234- 6042

October 30, 1992 File: GA-25

ISIN' UT ENVIRUNMEN

NOV - 6 1442

Mr. Nick Vecchiarelli Shell Canada Products Limited 1500 Don Mills Road North York, Ontario M3B 3K4

**AWATTO** 

Dear Mr. Vecchiarelli:

Subject:

Former Shell Service Station 1330 Carling Avenue Ottawa

After a review of all the documents in the file and in particular the Raven Beck Environmental Ltd report dated May 15, 1992, it would appear that the site has been cleaned up to environmentally safe levels.

There are indications that there is some contamination offsite as mentioned in the report therefore Shell must satisfy the Ministry of the Environment for that area.

If in the future more contamination is found onsite further remediation may be required.

Yours truly,

George Perrow Special Project Assistant

cc: Mr. B. Dickman - Ministry of the Environment - Ottawa Mr. D. LaFleur - Intera Information Technologies (Canada) Ltd





Southeastern

Région du Sud-Est

October 1, 1992

2435 Holly Lane Ottawa, Ontario K1V 7P2 613/521-3450 2435. Holly Lane Ottawa (Ontario) K1V 7P2 613/521-3450

Mr. Nick Vecchiarelli Senior Environmental Engineer Shell Canada Products Limited 1500 Don Mills Road North York, Ontario M3B 3K4

Dear Mr. Vecchiarelli;

RE: CITY OF OTTAWA, 1330 CARLING, FORMER SHELL STATION

We have reviewed your response to our letter of August 19, 1992. You have answered the questions we had at that time to our satisfaction.

The methodology set down in the Southeast Region's Decommissioning Guideline was not followed. I am therefore unwilling to comment on a letter report based on a methodology other than our own.

We note that no off-site investigations were carried out and no groudwater testing was done.

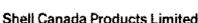
Yours truly;

Bryan D. Dickman,

Senior Environmental Officer.

cc

Mr. Dennis Lafleur, P. Eng. Manager, Environmental Division, INTERA INFORMATION (CANADA) LTD. 2 Gurdwara Road, Suite 200, Nepean, Ontario. K2E 1A2



Shell Canada Products Limited



OTTAWA

August 27, 1992

Ministry of the Environment Attention: Mr. Bryan Dickman 2435 Holly Lane Ottawa, Ontario KIV 7P2

Dear Mr. Dickman

DECOMMISSIONING OF SHELL RETAIL OUTLET AT 1330 CARLING AVENUE, OTTAWA

In response to your letter dated August 19, 1992 re subject site we offer the following:

Borehole BH4 was not analyzed for BTEX since it was clearly a zone of higher contamination which would be remediated by excavation.

The 10% LEL clean-up criteria serves as a field screening technique to allow us to meet the BTEX and TPH chemical and analysis criteria. As has been the case on this site and on others, a 10% LEL vapour level typically allows us to achieve clean-up levels well below our decommissioning guidelines.

It has been our experience that metals are typically found to be well below the Ontario Decommissioning Guideline and consequently we do not routinely test for metals, with the exception of lead. Solvents are readily identifiable by their distinct odour and accordingly were not tested since there was no evidence of their presence.

The vacuum truck was owned and operated by Triangle Pump Service Ltd. The skimming process was carried out for approximately a half hour.

The heating oil tank is shown on Figure 2 and is located immediately west of the former Shell Service Station.

Borehole S-3 is confirmed to be inside the excavated area.

While the initial assessments were done in winter, all nearby manholes and utility services were surveyed on May 7, 1992 as described in Section 6 of the May 15, 1992, Raven Beck Environmental Ltd. report. The maximum level of combustibles recorded at that time was 85 ppm.

We trust this information is adequate and would appreciate an expedient reply in light of a pending offer on this property.

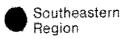
Yours truly

Nick Vecchiarelli

Staff Environmental Engineer







Région du Sud-Est

0 05 17 546

August 19, 1992

2435 Holly Lane Ottawa, Ontario K1V 7P2 613/521-3450 2435, Holly Lane Ottawa (Ontario) K1V 7P2 613/521-3450

Mr. Nick Vecchiarelli Senior Environmental Engineer Shell Canada Products Limited 1500 Don Mills Road North York, Ontario M3B 3K4

Dear Mr. Vecchiarelli;

RE: CITY OF OTTAWA, 1330 CARLING, FORMER SHELL STATION

We have the following comments on the May 15, 1992 RAVEN BECK ENVIRONMENTAL LTD, report on the decommissioning of the above site.

The criteria used by the consultant is a combination of MENVEQ Level C guidelines, CCME Interim Remediation Guidelines and Ontario Decommissioning Guidelines for lead. The Ontario guidelines clearly state that mixing guidelines is not allowed. A brief comparison of the various guidelines are:

#### FOR SOILS

<u>Parameter</u>	WENVEC ,C.	<u>Ontario</u>	MOE Southeast Regio Alberta Level II MUS	
Benzene	5	Alen	0.5	5
Ethylbenzene	50	<del>Mr.</del>	5	50
Toluene	30	Wes	10	30
Xylenes	50	esti	5	50
TPH	-	**************************************	400	5000
Lead	600	750	**	750

Borehole BH4 was found to have free petroleum product. However only BH1, BH2, and BH3 were analyzed for BTEX and TPH. Why was BH4 not considered with "most heavily contaminated soils"?

#### Page 2

We would like to know the rationale for the 10% LEL cleanup criteria.

We see that metals and solvents (chlorinated and non-chlorinated) were not tested for under the service bay areas. No mention is made of an inspection for floor drains, cracks, etc. in the service bays prior to demolition.

Who owned and operated the vacuum truck that skimmed the free product? How long was the skimming carried out?

Where was the heating tank located. It is not shown on Figure 1.

Borehole S-3 is reported with a 58% LEL reading. Figure 1 appears to indicate this borehole is outside the excavation area. Is this correct?

All assessments were done in the winter. Vapour pressures are obviously lower at that time of year. Has any testing been done in manholes or utility services in warmer weather?

As you know, the Ministry is being asked to comment on the adequacy of site cleanup on most property transactions. The present report does not provide enough information for the Ministry to comment favourably to any prospective buyer of this property.

Yours truly;

Bryan D. Dickman,

Senior Environmental Officer.

bcc

Mr. Dennis Lafleur, P. Eng.

Manager, Environmental Division,

INTERA INFORMATION (CANADA) LTD.

2 Gurdwara Road, Suite 200,

Nepean, Ontario. K2E 1A2



#### **Shell Canada Products Limited**

Eastern Complex - Ontario Markets 1500 Don Milis Road North York, Ontario M3B 3K4 Telephone (416) 441-3800

May 22, 1992

PIRA OF EMAINDAREE

Ministry of the Environment Attention: Mr. Brian Dickman Sr. Environmental Officer 2435 Holly Lane Ottawa, Ontario K1V 7P2

MAR WA

OTTAWA

Dear Mr. Dickman

RE: DECOMMISSIONING OF SHELL RETAIL OUTLET AT 1330 CARLING AVENUE, OTTAWA

Further to our telephone conversation, at which time I reported the possibility of off-site petroleum liquid migration at subject site, please find enclosed the consultant's environmental report for your perusal.

The report details the activity on-site beginning with the initial borehole assessment through till the facility decommissioning and excavation/disposal of contaminated soils. A total of 3265 tonnes were removed.

With respect to the off-site contamination, it was determined that a zone along the north-wall of the excavation adjacent to Carling Avenue, exhibited only a minor amount of free product draining back into the excavation. Subsequent groundwater inflow from this area did not contain free product. Additionally, a combustible vapour survey of all utility manholes and catchbasins indicated no measurable impacts.

Based on the consultant's findings no further action is planned at this time.

If you have any questions or comments, please contact the writer at (416)441-3898.

Yours truly

Nick Vecchiarelli

Sr. Environmental Engineer Safety & Environmental Affairs

Products Ontario

c.c. D.H. Molineux, MCCR

Enclosure



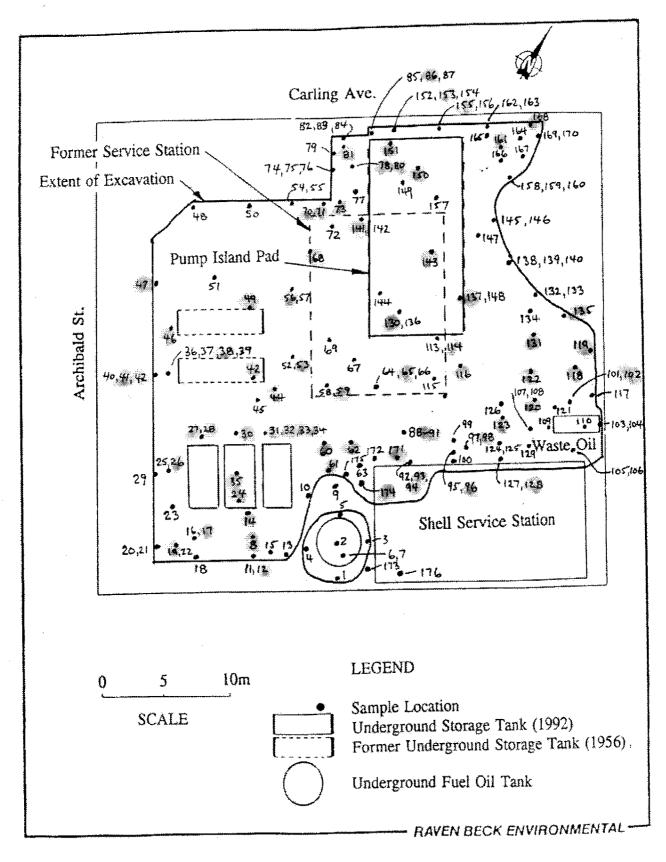


Figure 2 Extent of Excavation and Sampling Locations

# RAVEN BECK ENVIRONMENTAL LTD.

3780 FOURTEENTH AVENUE SUITE 210 MARKHAM, ONTARIO L3R 9Y5 265 CARLING AVENUE SUITE 208 OTTAWA, ONTARIO KIS 2E1

TELEPHONE (416) 513-9400 FAX (416) 513-9405 TELEPHONE (613) 232-2525 FAX (613) 232-7149

REF: 92-006

May 15, 1992

Shell Canada Products Ltd. 1500 Don Mills Road Don Mills, Ontario M3B 3K4

Attention: Nick Vecchiarelli

Dear Mr. Vecchiarelli:

RE:

EXCAVATION AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL, SHELL SERVICE STATION, 1330 CARLING AVENUE, OTTAWA, ONTARIO (SHELL REF. SK-201)

This letter report summarizes the results of the excavation and disposal of petroleum contaminated soil from the Shell Service Station site located at 1330 Carling Avenue, Ottawa, Ontario. The purpose of this excavation was to remove petroleum contaminated soil from the site as part of a decommissioning of the service station being performed by Shell Canada Products Ltd.

#### 1. BACKGROUND

Prior to site decommissioning, environmental assessments were conducted at the above referenced site by Raven Beck Environmental Ltd. (RBE) on November 29, 1991, January 7, 1992 and February 3, 1992. Results of these investigations were reported to Shell in letter reports dated December 12, 1991 and February 28, 1992.

During the initial assessment (November 28, 1991) five (5) boreholes (BH-1 to BH-5) were completed to depths ranging from 2.7 to 6.7 m below ground surface (Figure 1). Elevated combustible soil vapour levels were detected in all boreholes. Free petroleum product was detected in BH-4. The three (3) most heavily contaminated soils were selected for BTEX

and TPH analyses. Samples were selected from BH-1, BH-2 and BH-3 at depths of 1.5 to 2.1 m.

On January 7, 1992 a test pit was excavated in the vicinity of BH-4 to determine the source of the free product detected in November. Free product was found primarily in a layer of coarse fill and construction debris extending from approximately 1 to 2 m below ground surface. Floating product was observed flowing into the excavation from the west and north walls.

On February 3, 1992 a third investigation of the property was undertaken to provide better definition of the extent of contamination on-site. Nine (9) boreholes S-2 to S-10 were completed to depths ranging from 3.0 to 5.9 m at the locations shown in Figure 1. One (1) monitoring well was installed at S-2 due to the presence of free product and was used to determine the appearance and thickness of floating product. Product was sampled with a clear bailer. Product was oily, black to brown, almost opaque and had an odour of weathered gasoline. Minimum product thickness was determined to be 2 cm. No groundwater samples were collected. Maximum combustible vapour levels in boreholes were as follows:

S-2	65% LEL	S-7 120 ppm
S-3	58% LEL	S-8 225 ppm
S-4	10% LEL	S-9 320 ppm
S-5	225 ppm	S-10 10% LEL

Five (5) soil samples were selected from boreholes S-3, S-4, S-8, S-9 and S-10 for BTEX and TPH analyses.

Based on the results of all these studies it was concluded that there were zones of soil and groundwater contamination on-site. Hydrocarbon odours were detected in all boreholes except S-5 and S-8. On-site free product appeared to be contained in the more permeable fill in the area of the original two (2) underground storage tanks and in the vicinity of the northeast corner of the concrete pump island apron.

Prior to the commencement of site work RBE selected a composite soil sample from the most contaminated soils collected during the February 3 investigations. The sample was analyzed for leachate, quality criteria, TPH and flashpoint in order to obtain approval for landfill disposal. Results are appended.

### 2. UNDERGROUND TANK AND HYDRAULIC LIFT REMOVAL

Tank and hoist removal was completed by Triangle Pump Service Ltd. with excavation equipment provided by Ken Gordon Excavating Ltd. A total of five (5) underground tanks were excavated and removed from the site on April 20, 1992. These tasks consisted of three(3) 22,700 L (5,000 imperial gallon) fibreglass gasoline tanks, one (1) 4,540 L (1,000 imperial gallon)

imperial gallon) spherical fibreglass heating fuel oil tank and one (1) 4,540 L (1,000 imperial gallon) steel waste oil tank.

Prior to removal all the tanks were dry iced (solid CO<sub>2</sub>) to remove petroleum vapours. All product from tanks had been removed previously by another contractor. The four (4) fibreglass tanks were removed to the Triangle Pump Service where they were pressure washed inside and out. Following cleaning these tanks were picked up by the manufacturer for refurbishing. The steel waste oil tank was perforated on-site to render it unusable and delivered to a scrap metal dealer.

All tanks were inspected by RBE staff after removal from the ground. All tanks appeared to be in fair to good condition with no visible evidence of leakage. However, there was a strong hydrocarbon odour and a sheen and blebs of floating free product on the water table during removal of the three (3) gasoline storage tanks.

Two (2) hydraulic lifts located in the central and west service bays of the garage were excavated and removed on May 1, 1992. Prior to removal all oil was pumped from the lifts. The lifts were removed from the site to a scrap metal dealer.

### 3. SITE EXCAVATION AND SERVICE STATION DEMOLITION

Site excavation was performed from April 21 to 24 and on May 5, 1992 by Triangle Pump Service Ltd. and Ken Gordon Excavating Ltd. All excavation was completed with a large, track mounted, hydraulic shovel.

Excavated surface asphalt was transported to the Beaver Construction Ltd. site on Rideau Road for recycling. Surface concrete (pump island pad, etc.) was transported to the Pyper Sand and Gravel Ltd. site in Greely, Ontario. Excavated contaminated soil was transported to the Laidlaw landfill site on the Carp Road west of Ottawa. All hauling of materials off-site was done with dumptrucks owned by Triangle (MOE #A-860231) or Pyper (MOE #A-860282).

All on-site soil with measured headspace combustible vapour levels greater than 10% LEL was disposed of to the Laidlaw landfill. Headspace combustible vapour levels were measured using a Gastechtor Model 1238 combustible gas indicator (CGI) calibrated with 440 ppm and 48% LEL hexane. Selected soil samples were tested with and without a charcoal filter to identify methane contributions to combustible vapour readings. Methane was not found to be a significant component of the measured combustible vapours.

Following removal of the underground tanks, contaminated soil was excavated and removed from the site from April 21 to 24, 1992. On-site soils were typically sand and clay fill overlying native grey clay which was underlain by a cobbley, clay rich grey till. A substantial portion of the site was excavated as shown in Figure 2. The location of some site features, such as the pump island pad and the former service station, have been moved in comparison to

Figure 1 based on observations during site excavation. In general the depth of excavation ranged from 1.5 to 3.5 m below ground surface. During excavation, extensive sampling of soil from the floor, walls and central portions of the excavation was performed to define the levels of petroleum product contamination and determine the amount of soil requiring landfill disposal. One hundred and seventy-six (176) samples were collected, inspected and screened for head space combustible vapour concentrations. Table 1 is a summary of sample number, depth, relative location, composition, colour, olfactory description and combustible vapour concentration. Sample locations are shown on Figure 2. In certain portions of the site small amounts of free product accumulated on the water table during soil excavation. Accumulated free product was skimmed from the excavation into a vacuum truck. A total of 600 L was vacuumed. Samples collected from the walls and floors of the excavation indicated that clean-up levels had been achieved in most areas. The excavation was then backfilled with a medium-grained sand imported to the site and compacted in place with the shovel.

In addition to the accessible zones of contamination encountered during site excavation, a zone of inaccessible petroleum contamination (>10% LEL) was also identified adjacent to and underneath the north central portion of the service station foundation. In order to remove this contaminated soil it was necessary to first demolish and remove the service station building. After obtaining the necessary permits, the above-grade portion of the service station was demolished on May 1. The two (2) hydraulic lifts were also removed from the service bays at this time. Demolition was completed by Ken Gordon Excavating and construction debris was transported to the Hunneault Landfill site in Navan by Pyper dump trucks.

Below-grade demolition of the building foundation was completed on May 5. RBE staff supervised the excavation and removal of the foundation. Contaminated soils (>10% LEL) adjacent to and under the former building were excavated and removed for disposal at the Laidlaw landfill. The extent of soil contamination was not extensive. Approximately 76 tonnes of soil were removed from beneath the north central and northwest portions of the building and adjacent to the northwest corner of the building. Test pits were also excavated in the vicinity of the former hydraulic lifts. No evidence of contamination was found. Concrete from the foundation was transported to the Pyper sand and gravel site in Greely for disposal. Following removal of the foundation the area was backfilled with sand and compacted. The entire site was covered with approximately 0.20 m of crushed limestone gravel and leveled. Access to the site was restricted by the placement of concrete curbe stops along Archibald Street and Carling Avenue.

A total of 3265 tonnes of petroleum contaminated soils were removed from the site between April 21 and May 5, 1992. Contaminated soil was disposed of at the Laidlaw landfill west of Ottawa.

### 4. PETROLEUM HYDROCARBON PRESENCE

Petroleum hydrocarbons were found in several areas throughout the site during excavation. In general, contamination was characterized by strong hydrocarbon odours, some black soil staining and a hydrocarbon sheen on groundwater and was encountered in the vicinity of the recently excavated gasoline tanks, the former (1956) gasoline tanks and the waste oil tank. Some free product was also encountered in the vicinity of the former gasoline tanks and the northeast corner of the pump island pad. As indicated previously, free product and petroleum sheen that accumulated on the water table during site excavation was skimmed to a vacuum truck for disposal.

### 5. QUALITY OF REMNANT SOIL

The results of visual and olfactory inspection and headspace combustible vapour measurements are listed in Table 1. The table also indicates whether the sample was collected from the wall, floor or centre (within) the excavation. These data show that all floor and wall samples (with the exception of samples #41 and #168 discussed below) were below Shell's Decommissioning Guidelines for commercial/industrial future land use based on Gastechtor analysis of maximum combustible vapour level of less than 10% LEL. All soils within the excavation (centre) having Gastechtor values greater than 10% LEL were excavated and removed for landfill disposal. Those soils within the excavation with values less than 10% were used as backfill in the excavation.

Three soil samples were submitted to Paracel Laboratories of Ottawa on April 28, 1992 for BTEX, lead, and TPH analysis. Table 2 presents quantitative BTEX and lead concentrations for remnant soil (sample numbers 41 (wall), 69 (floor), 148 (floor)). All three samples fall well below Shell's Decommissioning Guidelines for Commercial/Industrial future land use for BTEX compounds and lead.

Table 3 presents TPH values for the aforementioned floor soil samples and shows their relative distribution as percent light, middle and heavy distillates. Again all three soil samples are well below Shell's Decommissioning Guidelines for Commercial/Industrial future land use for TPH.

There were two areas where soil was excavated to the property line and soil contamination appeared to extend beyond the property boundary. One area was on the west side of the property along Archibald Street. Soil sample number 41 was collected from the excavation wall at the property line in this area. While headspace combustible vapours for this sample were 30% LEL, analytical results indicate that the soil meets Shell's Decommissioning Guidelines. No free product was encountered in this area.

The second area was at the north boundary of the property in the vicinity of sample numbers 86 and 168. Sample number 168 was collected from just above a coarse brick fill layer that extended for approximately 6 m along the Carling Avenue excavation wall at a depth of

approximately 1.5 m. Combustible vapour levels for both samples were 18% and 20% LEL respectively. Groundwater that initially drained into the excavation from the fill layer on the north wall contained a minor amount of free product and sheen. Subsequent groundwater inflow from this area did not contain free product or sheen. Accumulated product and sheen was skimmed from the excavation prior to backfilling.

### 6. UNDERGROUND UTILITIES COMBUSTIBLE VAPOUR SURVEY

A survey of all manholes and catchbasins in the vicinity of the site was performed on May 7, 1992. The survey was completed to assess potential off-site impact to underground utilities from the two zones of remnant contamination noted in Section 5. The survey was conducted with a Gastech 1238 Hydrocarbon Surveyor (CGI) calibrated to a hexane standard. Readings were taken by inserting the instrument probe into each manhole or catchbasin and monitoring the readings for 2-3 minutes. In each case the maximum reading was recorded. Figure 3 is a utilities plan for the area showing the maximum CGI readings for each manhole or catchbasin. All readings in nearby manholes and catchbasins were less than 85 ppm and indicate no apparent migration of combustible vapours to any of the utility lines adjacent to the site. The commercial building to the east of the site has no basement.

### 7. SUMMARY

A total of 3265 tonnes of contaminated soil were removed from the 1330 Carling Avenue, Ottawa Shell service station and disposed of at the Laidlaw landfill west of Ottawa. The existing service station building and foundation were demolished and removed. All hydrocarbon contaminated soil on-site with a Gastechtor reading greater than 10% LEL was removed. The site was backfilled with sand and surfaced with gravel.

Some hydrocarbon contaminated soil was observed extending beyond the property boundary at two points on the west and north sides. Since this site is in an urban area with no groundwater use and no surface water receptors nearby the only potential human health or environment impacts would be from migration of vapours to nearby underground utilities. A combustible vapour survey of all utility manholes and catchbasins in the area was completed. This survey indicated no measurable impacts.

#### 8. DISCLAIMER

Every effort has been made to ensure that the information contained in this letter report is accurate. RAVEN BECK ENVIRONMENTAL LTD. has exercised professional judgement in collecting and analyzing the information and in formulating recommendations based on the results of the study. The mandate at RAVEN BECK ENVIRONMENTAL LTD. is to perform the given tasks within the guidelines prescribed by the client and with the quality and due diligence expected within the profession. No other warranty or representation, expressed or implied, as to the accuracy of the information or recommendations is included or intended in this report. RAVEN BECK ENVIRONMENTAL LTD, hereby disclaims any liability or

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We trust that this report fulfils your requirements at the present time. Should you have any questions or comments, please do not hesitate to contact us.

Yours very truly,

RAS:ljb Encl. R. Austin Sweezey Senior Hydrogeologist, Ottawa

Table 1 Soil Sample Identifications

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
1	1.5	W	silty till	grey	moderate	175
2	2.5	F	silty till	grey	slight	128
3	1.5	W	silty till	green	moderate	220
4	1.5	W	clay	green	moderate	400
5	1.5	W	clay	green	moderate	6% LEL
6	2.5	С	clay/gravel	green	moderate	130
7	1.5	С	clay/gravel	green	slight	175
8	1.5	С	gravel	brown	strong	28% LEL
9	1.0	C	gravel	brown	slight	20
10	1.5	W	gravel/clay	brown	slight	30
	1.0	W	sand	grey	slight	100
12	2.5	W	clay till	green	strong	6% LEL
13	1.5	W	clay till	green	slight	200
14	2.0	C	gravel	brown	strong	15% LEL
15	3.0	F	till/gravel	brown	moderate	250
16	1.0	C	gravel	brown	moderate	250
17	2.5	С	gravel	brown	strong	12% LEL
18	2.0	W	clay	green	slight	120
19	2.5	C	clay	green	strong	10% LEL
20	1.5	W	clay	green	slight	120
21	2.5	W	clay	green	moderate	350
22	3.0	Į W	gravel	brown	moderate	290
23	3.0	***	gravel	brown	moderate	310
24	2.5	C	gravel	brown	strong	11% LEL

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
25	1.5	W	clay	green	slight	260
26	2.5	С	clay till	green	strong	12% LEL
27	2.0	F	clay	grey	strong	5% LEL
28	2.5	С	clay till	grey	strong	38% LEL
29	2.5	W	silty till	brown	none	10
30	1.5	W	sand/clay	black	strong	5% LEL
31	1.5	C	sand/clay	black	strong	12% LEL
32	2.0	С	clay	grey	y. strong	>100%LEL
33	3.0	С	sandy till	grey	strong	20% LEL
34	3.5	La Control of the Con	:11	grey	none	75
35	2.5	W	gravel	brown	strong	10% LEL
36	1.0	C	clay	black	moderate	310
37	1.5	C	clay	grey	moderate	120
38	2.0	C	clay	grey	strong	20% LEL
39	3.0	F	silty till	grey	none	20
40	1.0	W	clay	brown	slight	225
41	2.0	W	clay	grey	strong	30% LEL
42	3.0	W	silty till	grey	moderate	300
43	2.0	С	sandy till	black	strong	58% LEL
44	2.5	C	sandy till	black	strong	45% LEL
45	3.0	F	clay till	grey	slight	100
46	2.0	C	silty clay	grey	strong	35% LEL
47	1.5	С	clay	grey	strong	17% LEL
48	3.0	W/F	sandy till	grey	slight	75
49	2.5	С	sand/gravel	black	strong	48% LEL
50	1.0	W	sandy till	brown	moderate	375

	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
51	3.0	F	till	grey	none	40
52	1.0	W	clay	grey with black stain	moderate	215
53	2.0	С	till	grey	strong	18% LEL
54	2.5	W	clay	grey	moderate	400
55	1.5	W	clay	grey	moderate	400
56	2.5	С	clay till	grey	strong	10% LEL
57	1.5	С	clay	grey	moderate	275
58	1.0	С	gravel	brown	none	75
59	2.0	С	clay	grey	strong	24% LEL
60	2.0	С	clay	grey	strong	30% LEL
61	1.5	W	clay	grey	strong .	10% LEL
62	1.5	C	gravel	grey	strong	>100%LEL
63	1.0	W	clay	grey	slight	6% LEL
64	3.5		cobble till	grey	slight	120
65	2.0	C	sand	brown	strong	58% LEL
66	1.0	C	sand	brown	none	60
67	2.5	F	cobble till	grey	slight	175
68	2.0	С	clay	black	strong	95% LEL
69	2.5	F	clay	grey	moderate	420
70	2.0	W	clay	black	strong	7% LEL
71	3.0	F	tu:	grey	strong	10% LEL
72	1.0	C	sand/clay	brown	slight	130
73	2.0	C	clay	black	strong	78% LEL
74	1.0	W	silty clay	black	slight	325
75	2.0	W	clay	black	moderate	425

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
76	3.0	F	clay/till	grey	slight	300
77	0.5	C	clay	black	slight	75
78	1.5	С	clay	black	strong	42% LEL
79	2.0	W	silty clay	grey	moderate	300
80	2.5	С	clay	grey	strong	21% LEL
81	2.0	С	clay	grey	strong	21% LEL
82	1,0	W	clay	brown	none	25
83	2.0	W	clay	grey	none	25
84	3.0	W	till	grey	none	20
85	1.0	W	clay/topsoil	brown	none	25
86	2.0	W	clay	green	strong	18% LEL
87	3.0	F	cobble till	grey	none	20
88	1,0	С	sand/clay	brown	slight	120
89	1.5	C	clay -	grey	v. strong	95% LEL
90	2.5	С	clay	grey	v. strong	>100%LEL
91	3.5	F	clay till	grey	strong	6% LEL
92	1.0	W	clay	brown stain	none	30
93	2.0	W	clay	grey	strong	5% LEL
94	3.5	W/F	till	дтеу	strong	9% LEL
95	1.0	w	clay	grey	none	55
96	2.0	С	clay	grey	strong	20% LEL
97	1.0	С	clay	brown	slight	75
98	2.0	С	clay	grey	strong	5% LEL
99	2.5	F	cobble till	grey	slight	225
100	2.0	W	clay	grey	slight	125
101	1.0	W	sand	brown	none	60

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**	
102	2.0	С	clay	grey	strong	20% LEL	
103	1.0	W	clay/sand	brown	none	80	
104	2.0	W	clay	grey	slight	100	
105	1.0	W	sand/clay	brown	none	60	
106	2.0	W	clay	grey	slight	110	
107	1.0	W	sand	brown	none	90	
108	2.0	W	clay	grey	slight	105	
109	2.5	<b>1</b> 7	sandy till	grey	none	95	
110	2.5	F	till	grey	none	90	
111	1.0	C	sand	brown	none	120	
112	2.0	C	clay	grey	strong	>100%LEL	
113	1.0	W	sand	brown	slight	200	
114	2.0	С	clay	grey	strong	>100%LEL	
115	2.5	F	sandy till	grey	slight	275	
116	2.0	С	clay	grey	strong	>100%LEL	
117	2.0	W	clay	grey	none	75	
118	2.0	С	clay	grey	strong	17% LEL	
119	2.0	W	clay	grey	strong	10% LEL	
120	2.0	С	clay	grey	strong	48% LEL	
121	3.0	F	cobble till	grey	moderate	250	
122	1.5	С	sand/clay	grey	strong	5% LEL	
123	2.0	C	clay	grey	strong	24% LEL	
124	1.0	w	clay/sand	brown	slight	300	
125	2.0	W	clay	green	slight	200	
126	2.5	F	**************************************	grey	slight	100	
127	1.0	W	sand/clay	brown	slight	110	

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**	
128	2.0	С	clay	grey	strong	35% LEL	
129	2.5	F	****	grey	slight	100	
130	0.5	С	sand	brown	strong	40% LEL	
131	2.0	С	clay	grey	v. strong	>100%LEL	
132	1.0	W	sand	brown	none	75	
133	2.0	W	clay	grey	moderate	305	
134	3.0	F	till	grey	slight	220	
135	2.0	W	clay	grey	strong	5% LEL	
136	3.5	F	cobble till	grey	slight	250	
137	1.5	С	clay	grey	v. strong	>100%LEL	
138	1.5	W	clay/sand	brown	slight	340	
139	2.5	W	sand	brown	slight	250	
140	3.5	W/F	cobble till	grey	none	75	
141	2.5	С	sand	brown	strong	46% LEL	
142	3.5	F	till	grey	none	75	
143	2.0	С	sand	brown	strong	>100%LEL	
144	3.5	H	till	grey	none	80	
145	1.0	W	sand/clay	brown	none	90	
146	2.0	W	clay	black	moderate	400	
147	3.0	W/F	clay/till	grey	slight	120	
148	3.0		till	grey	none	120	
149	3.0	F	till	grey	slight	160	
150	1.5	С	clay/sand	black	v. strong	>100%LEL	
151	2.0	С	clay	дтеу	strong	58% LEL	
152	1.0	W	sand/clay	brown	slight	160	
153	2.0	LV.	clay	grey	strong	10% LEL	

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading
154	3.0	W/F	<b>***</b>	grey	slight	160
155	2.0	W	clay	grey	strong	10% LEL
156	3.0	W/F	till	grey	slight	150
157	3.0	F	till	grey	none	60
158	1.0	W	clay/sand	brown	none	175
159	2.0	W	clay	grey	slight	220
160	3.0	W/F	till	grey	none	160
161	2.0	С	clay	black	strong	20% LEL
162	2.5	W	till	grey	moderate	250
163	1.5	W	clay	grey	slight	150
164	2.0	W	clay	grey	moderate	5% LEL
165	3.0	F	till	grey	none	120
166	3.0	F	till	grey	none	50
167	2.0	The state of the s	clay/sand	black	moderate	320
168	1.5	W	clay/sand	black	strong	20% LEL
169	1.0	W	silty clay	grey	moderate	475
170	1.5	W	clay		moderate	310
171	2.0	C	silty clay	grey	strong	14% LEL
172	1.5	F	silty clay	grey	slight	200
173	1.5	W	silty clay	grey	slight	150
174	1.5	С	silty clay	дтеу	strong	15% LEL
175	2.0	W	clay	grey	slight	100
176	2.0	W	silty clay	grey	moderate	300

<sup>\*</sup> W = wall, F = floor, C = centre

\*\* all values in ppm unless otherwise indicated

Table 2 Soil BTEX and Lead Analytical Results in µg/g

Analyte	MDL	Sample No.			Shell Guidelines	** 1.5 c ** ** ** ** ** ** ** ** ** ** ** ** *	
		41	69 148		Commercial/ Industrial*	Blank	
Benzene	0.025	ND	ND	0.250	5	ND	
Ethylbenzene	0.025	0.096	ND	0.082	50	ND	
Toluene	0.050	0.280	ND	0.086	30	ND	
m/p-Xylene	0.050	1.10	ND	0.30	50	ND .	
o-Xylene	0.025	0.62	0.080	0.12	50	ND	
Surrogate Recovery (%) toluene-d8	NA	100	98	96	NA	98	
Lead	ì	11	6	7	750	NA	

Table 3 Soil TPH Analytical Results

Analyte	MDL		ample No.	Shell Guidelines	
		41	69	148	Commercial/ Industrial
TPH (μg/g)	20	250	ND	ND	5000**
Relative % Composition a) light distillates (%) b) middle distillates (%) c) heavy distillates (%)	NA NA NA	12 88 0	0 0 0	0 0 0	NA NA NA

MDL = Normal Method Detection Limit

ND = Analyte not detected or found below detection limit

NA = Not applicable

\* = Based on industrial/commercial land use using CCME Interim Remediation Guidelines for

BTEX and Ontario Decommissioning Guidelines for lead (coarse textured soils)

\*\* = based on Quebec C Guidelines

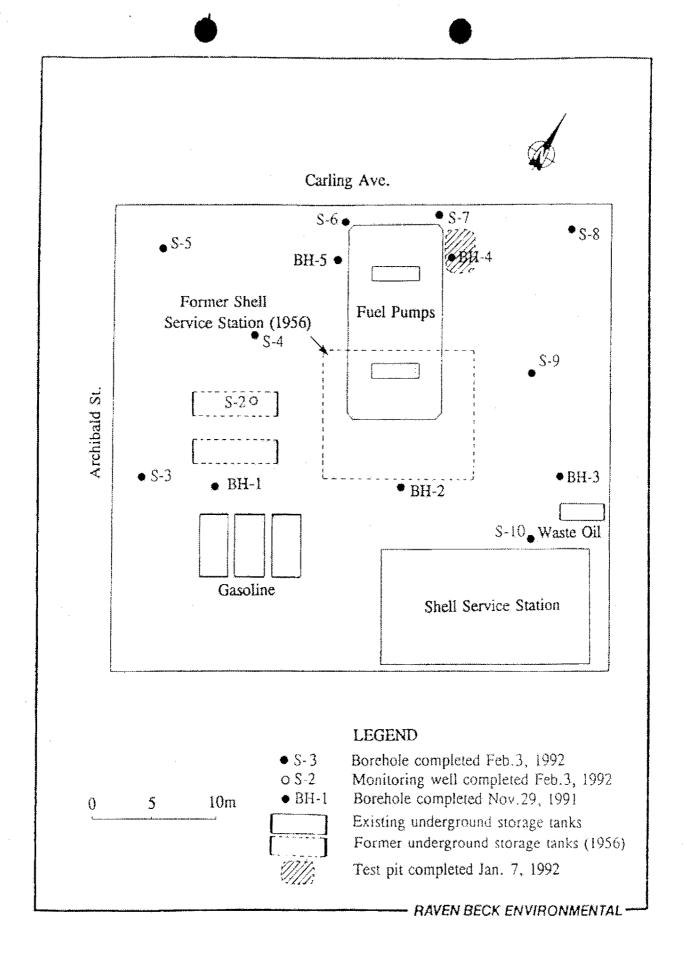


Figure 1 Site Plan of Shell Service Station, 1330 Carling Avenue

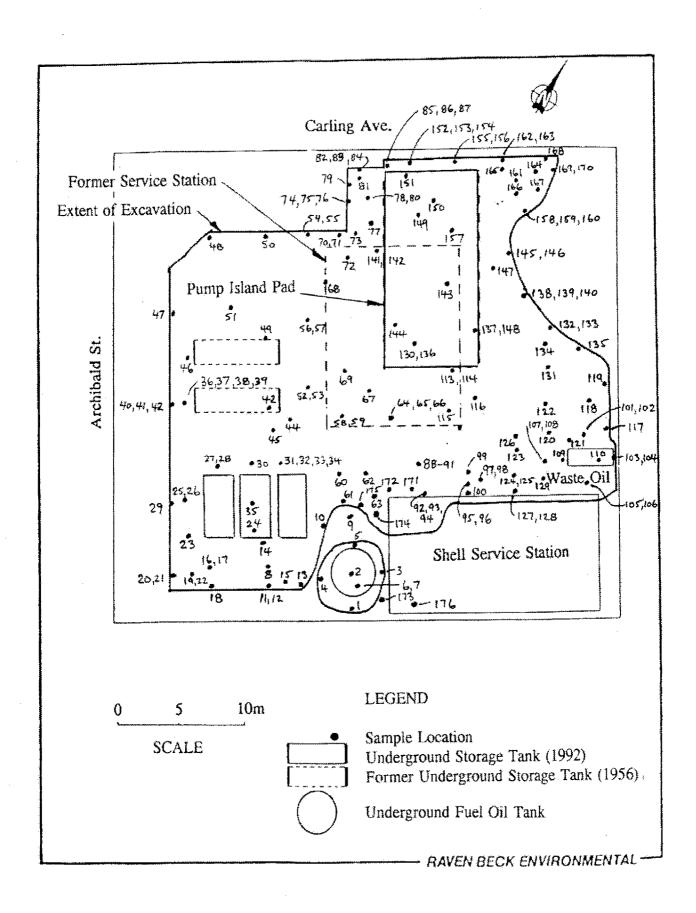


Figure 2 Extent of Excavation and Sampling Locations

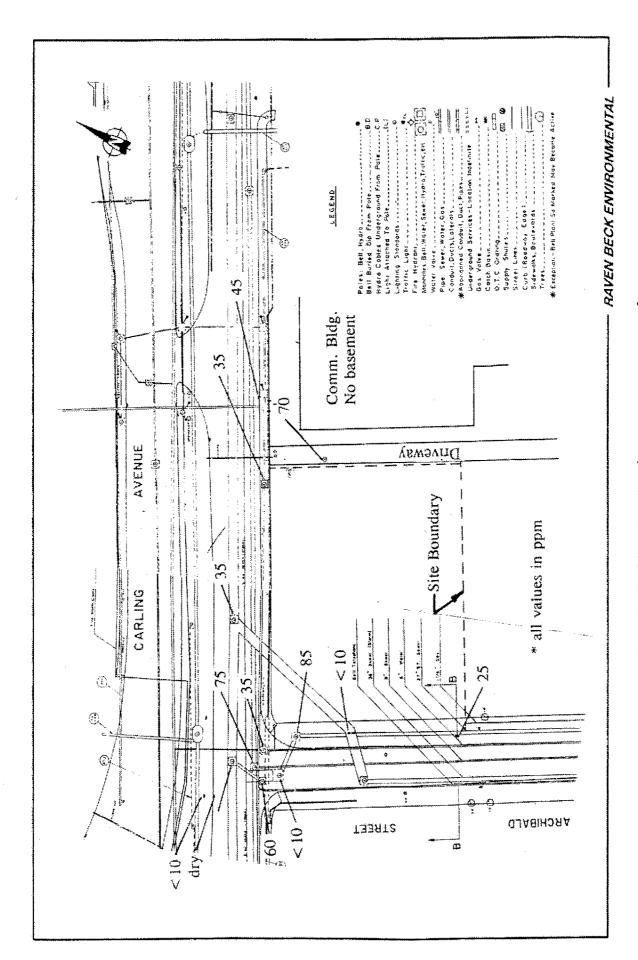


Figure 3 Utilities plan showing vapour survey results

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Length(s) of casing(s)	Static level.	5	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •	
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Is well a gravel-wall type?	Distance from	n cylinde	r or bowls to ground	level	• • • • • • • • • •
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What is the source of contamination?					
Enclose a copy of any mineral analysis that has been made	le of water	· · · · · · · · ·	• • •		-
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Situation: Is well on upland, in valley, or on hillside?			• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • •
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Name of Driller.	• • • • • • • • • • • • • • • • • • • •	. Address		ariorer, At	

Date.....Licence Number.....

FORM 5

ARCHIBA

Signature of Licensee

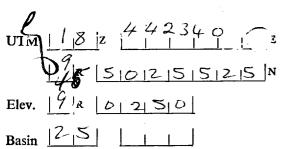
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Pipe and Casing Record		<del></del>	Pumping Test	·	
Casing diameter(s)	Date				
Length(s) of casing(s)	Static level.	2.	. 4t	• • • • • • • • • • • • • • • • • • • •	
Type of screen	Pumping leve	el3.	· serfect	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • .
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Distance from top of screen to ground level	i				
Is well a gravel-wall type?	Distance from	n cylinde	er or bowls to ground	level	• • • • • • • • • • • • • • • • • • • •
W	ater Record				
Kind (fresh or mineral)	• • • • • • • • • • • • • • • • • • • •		Depth(s)	Kind of	No. of Feet
Quality (hard, soft, contains iron, sulphur, etc.)	J. 8		Horizon(s)	Water	Water Rise
Appearance (clear, cloudy, coloured)		<i>.</i>	22	Joseph	20
For what purpose(s) is the water to be used?		• • • • • • •	• • • • • • • • • • • • • • • • • • • •	ř.	
How far is well from possible source of contamination?					
What is the source of contamination?					
Enclose a copy of any mineral analysis that has been made	de of water				
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Situation: Is well on upland, in valley, or on hillside?		•••••	• • • • • • • • • • • • • • • • • • • •		
Drilling Firm. London State Conn. Address.				•••••	• • • • • • •
Name of Driller				······································	

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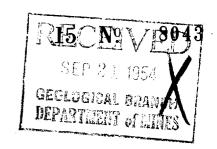
Signature of Licensee

....Licence Number..

FORM 5







Coldrey St. A

The Well Drillers Act
Department of Mines, Province of Ontario

## Water Well Record

water	well I	Xec	oru	_	
	Villa	ge <del>, Town</del>	or CityO	tava	• • • • • • • • • • • • • • • • • • • •
			CO.LDREY		
Date Completed					
Pipe and Casing Record		I	Pumping Test	<del></del>	
Casing diameter(s). 5."  Length(s) of casing(s). 32.  Type of screen	<ul><li>Static level</li><li>Pumping level</li><li>Pumping rate.</li><li>Duration of terms</li></ul>	1.0 3.6. st1.	J954 OFM HOUR or bowls to ground		
	Vater Record	<u> </u>			
Kind (fresh or mineral)	and	· · · · · · · · · · · · · · · · · · ·	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rise
Appearance (clear, cloudy, coloured)	<u>a</u> N		. 30	Sreal	20'
For what purpose(s) is the water to be used?	medic		. 47	V	37'
How far is well from possible source of contamination?.	3,	· · · · · · · · · ·	•		
What is the source of contamination?	lake	· · · · · · · · · · · · ·	•		ļ
Enclose a copy of any mineral analysis that has been ma	ade of water.	nel			
Well Log				-	./
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			School Shool	Jo' To' Lor	- LING-
Situation: Is well on upland, in valley, or on hillside?	Ilala				
Drilling Firm	~ <b>.</b>		************		
Address 614 Lila DA	5	• • • • • • • • •			٠٠٠٠
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Date		Licence N	umber	E1 +	<u></u> ,
FORM 5		• • •	Signature t	3 1 2 1 AZ	P Semante.

The Well Drillers Act

Department of Mines, Province of Ontario

County or District. Carleton. Tp.	nepear	Con Lot	Pt. Lot	
Ownér	Address. west	fro Acre	es	· • • • • • • • •
County or District. Carleton. Tp  Owner.  Date Completed. http://///9.4.8 Cost of	Well (not including p	oump)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Pipe and Casing Record		Pumping Test	<del></del>	
Casing diameter(s). # " Length(s) of casing(s). 2.	Pumping Rate Drawdown Static level of co	mpleted well . Out		и
	Water Record			
Kind (fresh or mineral)	hard	Water Horizon(s)	Kind of Water	No. of Fe Water Ris
Appearance (clear, cloudy, coloured)	٠			-
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Well Log			• 4 ! • • • • £ \$\$7 • 1	
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Situation: Is well on upland, in valley, or on hills Drilling Firm. S. Mar. S. Mullige Address. Assessment 171#1	side?Valle	· · · · · · · · · · · · · · · · · · ·	1/4 to the	داد
Address Avestine 77 #1  Recorded by Sada & Mulligar  Date Luly 18/48		ddress	1.1.1.1.	

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			Round		
Date Completed	Cost of Well (excludi	ing pump)			
Pipe and Casing Record		F	Pumping Test		
Casing diameter(s)  Length(s) of casing(s)  Type of screen  Length of screen  Distance from top of screen to ground level  Is well a gravel-wall type?	Static level. Pumping level Pumping rate Duration of	e test	5 feet a.	• • • • • • • • • • • • • • • • • • •	
	Water Record				
Kind (fresh or mineral)Quality (hard, soft, contains iron, sulphur, etc.)	Rard		Depth(s) to Water Horizon(s)	Kind of Water	No. of Fee Water Rise
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For what purpose(s) is the water to be used?	se hold.	we			Wp
How far is well from possible source of contaminate What is the source of contamination? Enclose a copy of any mineral analysis that has be	tion?	سرم ه و	•		
Well Log				tion of Wal	
Overburden and Bedrock Record	From 0 ft.	Toft.		ation of Well selow show dis	
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Situation: Is well on upland, in valley, or on hill Drilling Firm.  Address.  Name of Driller.  Date  Quantity  Date  Date	ung.	· • • • • • • • • • • • • • • • • • • •			ile.
Posser f		••	Signature o	f Licensee	

FORM 5



Ministry of the Environment

Well Tag No. for Master Well (Place Sticker and/or Print Below)

A090600

mw#1

# Master Well Record for

Cluster Well Construction
Regulation 903 Ontario Water Resources Act
Page \_\_\_\_\_ of \_\_\_\_\_\_

1	James S	treet			-								7 .:
County/Dis	trict/Municipality		City/To	wn/Villag					Province	Pos	tal Cod	de	Ī
UTM Coord	inates Zone Eas	sting Northing	GPS Unit		Model.		Mode of	Operation:	Ontario Undifferentiated		Average	ed	
NAD	8 3 184		5191718 GARA	uin		ex	Differe	ntiated, specify					
-		ck Materials (see inst	ructions on the back	of this fo	-	Details	Diameter						
General Colour	Most Common Material	Other Materials	General Description										
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Grey	Silty clai	1	- 0	0.9	1.5								-
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						Rotary	(Convention (Reverse)	onal) Diamo	nd 🔲 B		ecify		
						Rotary		☐ Driving	The state of the s	5A			
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						☐ Dewat	ering Well	Other,	specify				-
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						Open Hol	9	Screen Used	Static Wa		el Tes	it	1000
		Construction De					Yes [	No Si	reen	Metres			100
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						Water fo	und at De Metres		of Water sh Salty	Sulphu		Minerals	
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						Cluster Informa	Information tion for W	on (Please also lell Construction	fill out the addit n for each parce	ional Ci	luster d and i	Well cluster.	)
						Total We	lls in Clus	ter	Please indicate Information Log				di
						The second second	lls on this		1				
						lun	Know		of Well Cluster			33333	1
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								es are not allow onfirm detailed m	eu. ap is provided as	per Se	ction 1	1.1 (3)	
						Consent the Direc	to release	additional info request	rmation concer	ning the	clust	er to	-
Business N	Well Co ame of Well Contra	ntractor and Well Tec		ractor's Lic	ence No.								
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Business A	ddress Street No.		Municipality T	Roue	0								
Province	Postal C	ode Business E-m	ail Address	(		Audit No.	. 0.5	5540	Well Contractor I	No.			The same
Bus. Telepho	one No. (inc. area co	de Name of Well Technic	unge hawk	195	. net	10 CO 15 CO 16 CO	M () t	5542	Date of Inspectio	n (www	nm/dal)		
819	242646	9 Downing	Bruce			Date Rep	150	2010		1777			
Well Technic	cian's Licence No. Si	gnature of Technician	Date Sub	mitted (yy	yy/mm/dd)	Remarks							
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Ministry's Copy

Ministry of the Environment

Well Tag	No.	for	Master	Well	(Print	Well	Tag	No.	,
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A090600

## Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 2 of 2

City/To	Ss of Well Location (Street Number/Name, Ring Med Street Number/Name, Ring Name, Ring Na		ostal Code			lodel EHEX	INVESTIGATION OF	de of Opera entiated, s	ation Und	y/District/Mun	Averaged	Signature of Technician/Contractor	Date (yyyy/mm/dd)
Well # on Sketch	UTM Coordinates  Zone Easting Northing	Full Depth of Hole (metres)		Method of Construction	Casing Material	Casing Length (metres)	Screen Int	erval (metres) To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
MW	18 4425625012151940	6.1	20	HSA	AVC	3.0	3.0	4.1	Bentonite.				2009/11/30
INUS		5.1	н	it	и	20	2.0	51	И				209/12/01
3													
								4,44					
	Contractor and Well Technician In	nformation		ness Address	(Street Number/Na	me, RR)		Municipal	ibh		Province	Date 1st Well in Cluster Constructed Date Last	Well in Cluster Constructed
Gu	oss Name of Well Contractor	y Llel	17/1	Rue Pr	or's Licence No. Bus	Grenvi	The Ju	n da	Rouge		Province	Ministry Use Only	
Postal	Bysiness Telephone	No. (inc. area. 4 2 6	4 6 9	118	or's Licence No. Bus	aco uni	Address		of Technician	1		Date PAN 2 8/2010(0) Date Ins	pected (yyyy/mm/dd)
1)	of Well Technician (First Name, Last Name)			Well Technicia	an's Licence No. Dat	e Submitted ()	yyy/mm/dd,	Signature	of Technician	1	1	Audit No. C 06159 Remarks	
	11/2006)						Ministry's	Сору					s Printer for Ontario, 2006

Dec. 17. 2009 4:58PM DST Consulting No. 0533 r. 3 PIGURE 8 WELL LOCATION (DST - 2089) THIS DRAWING SHALL BE READ IN CONDINCTON WITH THE ASSOCIATED TECHNICAL LETTER REPORT.
 DO NOT SCALE DRAWING. Environmental Screening Program for Watermain Replacement Thames Street, Ottawa, Ontario APPROXIMATE BDR EHOLE LOCATION (OST - 2809) Not to Scale BOREHOLE/MONTTORING WELL LOCATION PLAN SCALE DRAWING TYPE DESIGNED BY MERIVALE ROAD MERIVALE ROAD 519 of. HARAN HELSON 006 0 eg, C. 1270 20 F 8 Ball to SE SE 8 (S) WANTER FEETEN P. 13 ANS CLASHORA Se. 81.5 Se Ą 8 8 13/12 0 8 B E. 8 Sharing Shirters e, ago, ď, LEANT HINAM 0 202 1951 1365 B. 04

Ministry of the Environment The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

Municipality	Con.		
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County or District	Hawa		ugh/City/Town/Village	1	Con block trace	t survey, etc. L	ot 25-27
Owner's surname	75 27	Address E SerVICES.	than	res. Street	Dat	npleted / 4	month year
MAD 83	Zone		25962	RC Elevation	RC Basin Code		iv
	LOG	F OVERBURDEN AN	D BEDROCK MAT	ERIALS (see instru	uctions)	Den	th - feet
General colour	Most common material	Other ma	terials	Gen	neral description	From	То
Black	Asphalt	-				0	0,3
Brown	Sand & Gravel	silt	,	de	ense	0.3	0.6
Grey	SIL	day, si	and	2	mpact	5.0	10
GARAGE	Elf	day so	1 a rough	11	rm	10	20
700		207, 30	7/200				
						7.46	
31 32 41 WATE	4 15 21 51 Inside diam		all Depth	600	es of opening 31-33 of No.)	7 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15-18 1	Fresh   3   Sulphur   14   Inches   10-1   14   10-1   15   10-1   16   16   16   16   16   16   16	inc  1 Steel  2 Galvanized  3 Concrete  4 Open hole	ickness From	To (Slo	PVC Plasti		o of screen standard feet
20-23 1 [ 2 [	Salty	Plastic  1 Steel 2 Galvanized 3 Concrete 4 Open hole 5 Plastic		20-23 61  Depth From	10	☐ Abandon d type (Cement grout, I	ment bentonite, etc.
30-33 1	Salty 6   Gas   24-2     Fresh 4   Minerals   24-2     Fresh 4   Minerals   3-4   60     Salty 6   Gas	5 1 Steel 26 2 Galvanized 3 Concrete 4 Open hole 5 Plastic		27-30 0 2 <sup>18-2</sup> 4 <sup>26-2</sup>	1 4 <sup>22-25</sup> Ben 1	d & gran tonite chip tonite slav	75
	Bailer GF  Vater level and of pumping 25 Water levels during 25 Water levels during 26 Water levels during 26 Water levels during 26 Water levels during 26 Water levels during 27 Water levels during 27 Water levels during 28 Water levels during 29 Wate	Pumping 2 Residual As minutes 32-34 60 minutes Water at end of test	mutes 35-37 feet 42 Cloudy 46-49 GPM		m .		ot line.
FINAL STATUS  1	ply 5 Abandoned, insufficier on well 5 Abandoned, poor qual			XXO,		Son 2m	
1 Domestic 2 Stock 3 Irrigation 4 Industrial	5 Commercial 6 Municipal 7 Public supply 8 Cooling & air condition	B□ Not use BO Other  INCO OTHER  INCO OTHER  BOSE	-		uxle k		16m Le
METHOD OF C  1	onventional) Securing Boring verse) 7 Diamond	9 Driving 10 Digging 11 Other	@ 2" 1 Piez d With 2	monitoring well ecomissioned in by Sandy	Is #A0906 ith Bentonite chand on top.	239	784
Name of Well Control  DST Cor  Address 60 5	nsulting Engineers	Well Contractor's Lic 6838 w.der Bry, o	Source S	ss Contract e of inspection	Inspector	OCT 6 4	113 <sup>63-68</sup>
Make of Well Technology Signature of Technology Name of Technology	Girax	Well Technician's Lic T-3025 Submission date day 30 mo 9	Sence No.	rics			

Well Record > Ontario Ministry of Regulation 903 Ontario Water Resources Act the Environment 32248 Page Metric Imperial Measurements recorded in: Well Owner's Information E-mail Address ☐ Well Constructed Last Name / Organization by Well Owner Hasociaks Postal Code Telephone No. (inc. area code) Municipality Province K163W3613737776 23 - 2350 Ottoma Ont Stevendor **Well Location** Concession Township Address of Well Location (Street Number/Name) 999 Itawa Merival Province Postal Code County/District/Munic Dhawa Plan and Sublot Number Ontario Other 327929 1844262150259BI NAD 8 3 1 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft General Description Other Materials Most Common Material From 3.65 0 sand and gravel grey 3.65 4.27 sand silt and gravel 4.27 4.60 siltyclay was **Results of Well Yield Testing** Annular Space After test of well yield, water was: Volume Placed Draw Down Recovery Depth Set at (m/ft) Type of Sealant Used (Material and Type) (m³/ft³) ☐ Clear and sand free Time Water Level Time Water Level (m/ft) Other, specify (min) (min) (m/ft) Yz bags hole plug 0.85 Static If pumping discontinued, give reason: Level 4.60 filter sand 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use 4 ☐ Cable Tool ☐ Diamond ☐ Public ☐ Commercial ■ Not used Duration of pumping ☐ Rotary (Conventional) ☐ Jetting □ Domestic ☐ Municipal Dewatering 5 5 hrs + min ☐ Monitoring Rotary (Reverse) Driving Livestock Test Hole Boring □ Digging ☐ Irrigation Cooling & Air Conditioning Final water level end of pumping (m/ft) 10 10 Air percussion ☐ Industrial Other, specify HS Auger Other, specify 15 15 If flowing give rate (I/min / GPM) Construction Record - Casing Status of Well 20 20 Open Hole OR Material Depth (m/ft) ☐ Water Supply Recommended pump depth (m/ft) Inside Wall (Galvanized, Fibreglass, Concrete, Plastic, Steel) Diamete Thickness Replacement Well 25 25 From То (cm/in) (cm/in) ☐ Test Hole Recommended pump rate ☐ Recharge Well 30 30 1.50 (I/min / GPM) 5.2 plastic 0.4 Dewatering Well 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 ☐ Alteration Disinfected? (Construction) 60 60 Yes No Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back. Outside Depth (m/ft) Water Quality Material Diamete (cm/in) Slot No. Abandoned, other, (Plastic, Galvanized, Steel) From To specify 10 6.0 4.60 1-50 Other, specify Water Details Hole Diameter Site plan and area Depth (m/ft) Water found at Depth Kind of Water: Fresh Untested Diamete From (cm/in) **∂.**Ч9 (m/ft) ☐ Gas ☐ Other, specify map are enclosed. 4.60 22 Water found at Depth Kind of Water: Fresh Untested Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No 765 INC Comments Road icle Well owner's Date Package Delivered Ministry Use Only TY Y W M M D package delivered z 150548 Date Work Completed Yes IAN 0 9 2013 ☐ No 2012041 210 N3 6 N 62 0506E (2007/12) © Queen's Printer for Ontario, 2007 Ministry's Copy

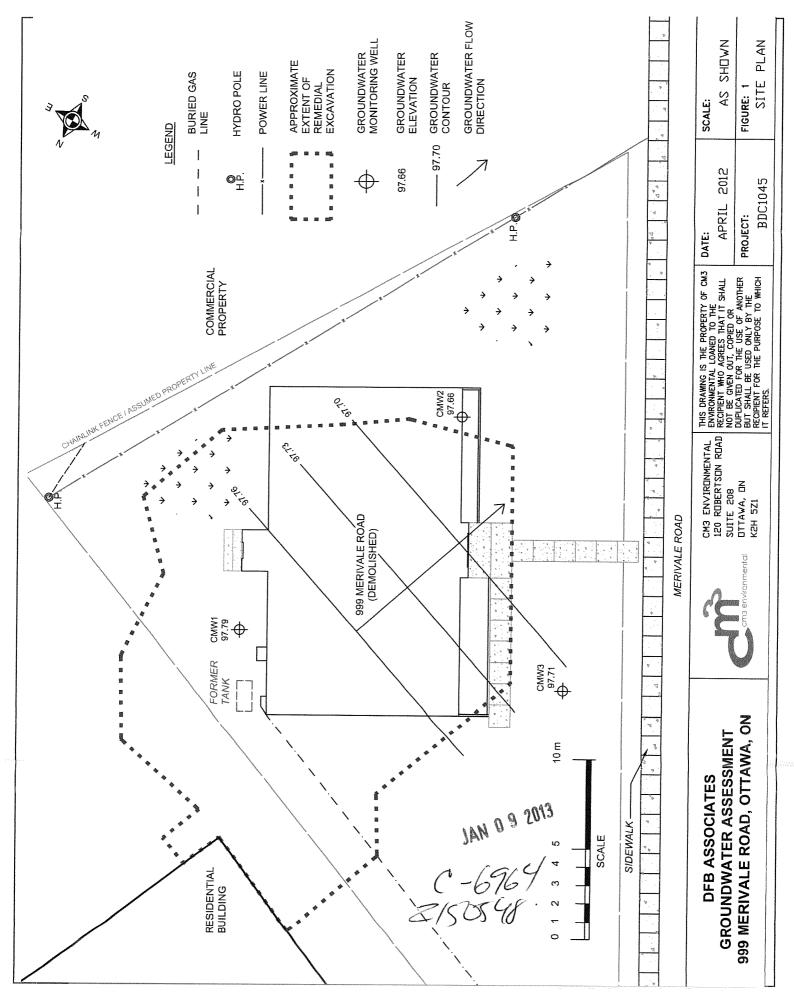
### Well Record for Well Cluster - Part 3 of 3 Detailed Drawing of All Well Locations

**Note**: This **Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations**, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the **Well Record for Well Cluster Parts 1 and 2.** The well with the well tag must be clearly identified on the Drawing.

UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

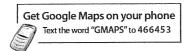
Well Tag Number: # A 13 ZZ48

"Well Record for Well Cluster" Form Audit Number: # \_\_\_\_\_ C \ 9 5 66



Google

Address 999 Merivale Rd Ottawa, ON K1Z 6A6, Canada





JAN O 9 8013

26964

 $http://maps.google.com/maps?f=q\&source=s\_q\&hl=en\&geocode=\&q=999+Merivale+Ro...~~22/11/2012$ 

bandoning Ontario Well Record Ministry of the Environment Regulation 903 Ontario Water Resources Act A132248 Metric Page **Well Owner's Information** First Name Last Name / Organization F-mail Address ☐ Well Constructed Mailing Address (Street Number/Name DEB by Well Owner Telephone No. (inc. area code) Municipality Province Sevenage <u> 22-2350</u> ON KIG3W36137377776 Ottawa **Well Location** Concession Address of Well Location (Street Number/Name) Township County/District/Municipality\_ Province Postal Code City/Town Ontario Northing 27929 118 4426 NAD | 8 | 3 50 DS93 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) General Colour Most Common Material Other Materials General Description From was missing Results of Well Yield Testing Annular Space Depth Set at (m/ft)
From To Type of Sealant Used (Material and Type) After test of well vield, water was: Draw Down Recovery Volume Placed (m³/ft³) Time Water Level Time Water Level Clear and sand free (min) Other, specify (m/ft) 13 bag 0.50 Static If pumping discontinued, give reason: Level 0.50 4.60 bentonite cement grout 50 1 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use 4 4 Cable Tool ☐ Diamond ☐ Public ☐ Commercial ☐ Not used Duration of pumping Municipal ☐ Domestic ☐ Rotary (Conventional) Jetting Dewatering 5 5 hrs + min ☐ Rotary (Reverse) Livestock ☐ Test Hole ☐ Monitoring ☐ Driving Boring ☐ Irrigation Cooling & Air Conditioning Final water level end of pumping (m/ft) Digging 10 10 Air percussion ☐ Industrial Other, specify Other, specify If flowing give rate (I/min / GPM) 15 15 **Construction Record - Casing** Status of Well 20 20 Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Depth (m/ft) Inside Wall ☐ Water Supply Recommended pump depth (m/ft) Thicknes (cm/in) Replacement Well 25 25 From Test Hole Recommended pump rate (I/min / GPM) 30 30 Recharge Well Dewatering Well 40 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 Alteration (Construction) Disinfected? 60 Yes No Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Outside Water Quality Please provide a map below following instructions on the back. Depth (m/ft) Material (Plastic, Galvanized, Steel) Abandoned, other, From To specify decommissioned Other, specify Site plan and area. Mgp are enclosed. **Water Details Hole Diameter** Depth (m/ft) Water found at Depth Kind of Water: Fresh Untested Diameter (m/ft) Gas Other, specify 93 4.60 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested Well Contractor and Well Technician Information Business Name of Well Contractor INC t Number/Name Comments: Well owner's Ministry Use Only Date Package Delivered information package delivered KIYIY W M BBS67666 z 150552 ason Date Work Completed Yes JAN 1 0 2013

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Ministry of the Environment

All measurements recorded in:	Metric		Imperial
Follow instructions on the front and	back of this fo	orm.	Print or Type

Well Tag No. of Deepest Well: (Print Well Tag No.)

Well # on Drawing of Deepest Well: cmwi

4.60 M

## Well Record for Well Cluster - Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)

Regulation 903 Ontario Water Resources Act

Follow in	nstruction	ns on the front and	back of this fo	orm. P	rint or Type			On Drawn			OII.	<u>Cr</u>	$n\omega$	L	4.60 m			Pag	е	of
		ocation Inform		- n													Mandato	ory Attachments/Addit	onal Inform	ation
		Location (Street N	_		available)	Lot(s)	Conce	ssion(s)	Geogra	phic Tow	ıship			County/D	istrict/Upper	Tier Municipality	Land	d Owner Consent Form mu	st be attached	
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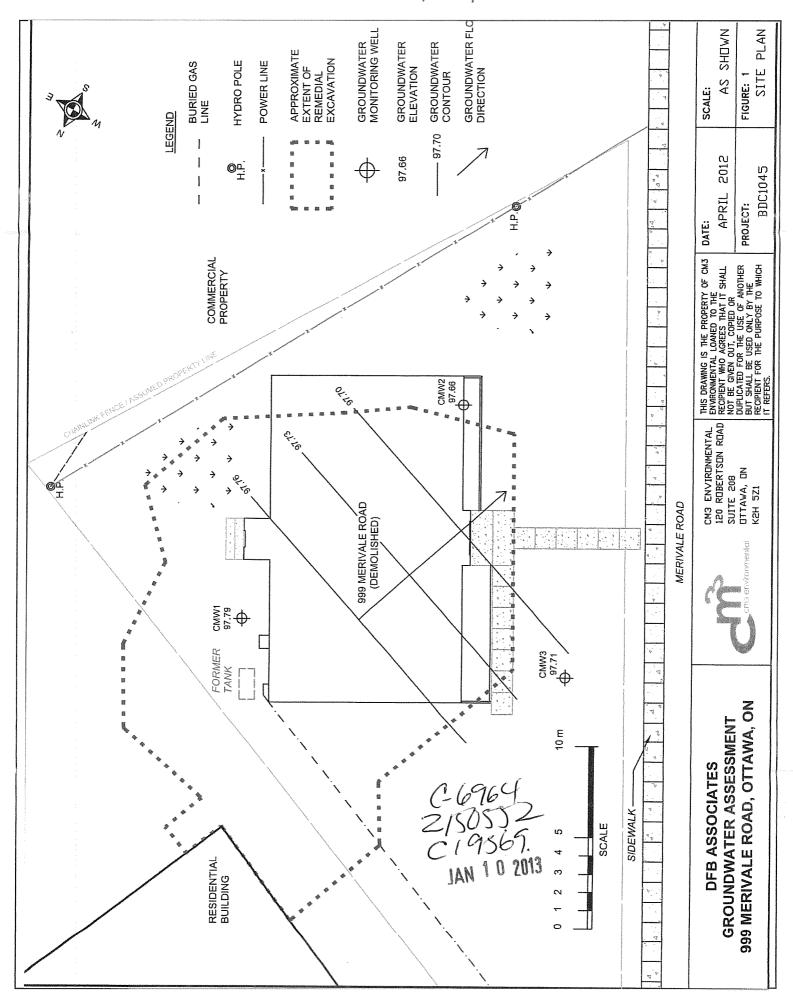
## Well Record for Well Cluster - Part 3 of 3 Detailed Drawing of All Well Locations

**Note**: This **Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations**, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the **Well Record for Well Cluster Parts 1 and 2.** The well with the well tag must be clearly identified on the Drawing.

UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # 4132240 Abandon ment

"Well Record for Well Cluster" Form Audit Number: # \_\_\_\_ C \9 \5 6 9



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All measurements recorded in: Metric Imperial  Follow instructions on the front and back of this form. Print or Type		Well Tag No. of Deepest Well: (Print Well Tag No.) Well No. on Drawing of Deepest Well:					Dewatering wells			(Only	Record for Well Cluster – Part 1 of for Multiple Test Holes or Dewatering Wells)  Ilation 903 Ontario Water Resources Act			
Well Cluster Location Information								140. 01	wells le	portea		Pa	age	_ of
Address of Well Location (Street Number(s)/Name(s), RR, Meash St	if available)	Lot(s)	Cor	Concession(s)		Geographic Township		County/District/Upper Tier Municipality		Mandatory Attachments/Add	litional Inform	nation		
City, Town, Village or Hamlet											y	Land Owner Consent Form must be attached.  Detailed Drawing of All Well Locations must be attached.		
Ottowa, ON Well Details		Province Ontario	1	S Unit Make  WM:  Min	Model EH	Y4 ()	Unit Mode of C		<u></u>	Undifferentla	ated Averaged	I, the person constructing the well, will promptly submit Director, on request, any additional information in my control related to any well in the well cluster that I have		nit to the
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on rawing Zone Easting Northing	Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Constructio	Casing Material; Diameter (cm/in)	Casi (m/		Screen Interva (m/ft) From   To		(m/ft)		Ove Abandonment	Signature of Technician/Contractor rburden/Bedrock or Filing Material Intervals (m/ft)	Date (yyy Static Water	Date of
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# Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

## Well ID

Well ID Number: 7217443 Well Audit Number: *Z179980* Well Tag Number: *A157825* 

This table contains information from the original well record and any subsequent updates.

## **Well Location**

Address of Well Location	848 MERIVALE AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442655.00 Northing: 5026008.00
Municipal Plan and Sublot Number	_
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	•	Depth To
BRWN	GRVL	SAND	SOFT	0 m	.61 m
GREY	SILT	CLAY	SOFT	.61 m	3.1 m
GREY	SAND	CLAY	SOFT	3.1 m	6.1 m

# Annular Space/Abandonment Sealing Record

	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE / FLUSHMOUNT	-
.31 m	2.74 m	BENSEAL	
2.74 m	6.1 m		

### Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
	Monitoring and Test Hole

### Status of Well

Test Hole

# **Construction Record - Casing**

Inside Open Hole or material		Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

### **Construction Record - Screen**

Outside Material	Depth Depth
Diameter	From To

### Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

# Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	

50	50
60	60

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From	Depth To	Diameter
0 m	6.1 m	8.25 cm

Audit Number: Z179980

Date Well Completed: February 14, 2014

Date Well Record Received by MOE: March 13, 2014

Updated: October 29, 2019

# Recommended for you



# Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

### Well ID

Well ID Number: 7217444 Well Audit Number: *Z179979* Well Tag Number: *A157824* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	848 MERIVALE RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
	NAD83 — Zone 18
UTM Coordinates	Easting: 442649.00
	Northing: 5026012.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	
BRWN	GRVL	SAND	SOFT	0 m	.61 m
GREY	SILT	CLAY	SOFT	.61 m	3.1 m
GREY	SAND	SILT	SOFT	3.1 m	6.1 m

# Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed
0 m	.31 m	CONCRETE / FLUSHMOUNT	-
.31 m	2.74 m	BENSEAL	
2.74 m	6.1 m	SAND	

# Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
	Monitoring and Test Hole

### Status of Well

Test Hole

# **Construction Record - Casing**

Inside Open Hole or material		Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

### **Construction Record - Screen**

Outside Material	Depth Depth
Diameter	From To

### Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

# Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	

50	50
60	60

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From	Depth To	Diameter
0 m	6.1 m	8.25 cm

Audit Number: Z179979

Date Well Completed: February 14, 2014

Date Well Record Received by MOE: March 13, 2014

Updated: October 29, 2019

# Recommended for you



# Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

### Well ID

Well ID Number: 7267545 Well Audit Number: *Z229814* Well Tag Number: *A164398* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1309 CARLING AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442423.00 Northing: 5026130.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY				0 m	.31 m
BRWN	SAND	GRVL	SOFT	.31 m	1.21 m
GREY	CLAY	SILT	SOFT	1.21 m	2.43 m
GREY	TILL	SILT	SOFT	2.43 m	3.04 m

# Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	Г
.31 m	1.21 m	BENTONITE	
1.21 m	3.04 m	SAND	

### Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
	Monitoring and Test Hole

#### Status of Well

**Observation Wells** 

# **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	1.52 m

### **Construction Record - Screen**

### Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

# Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	

45	45
50	50
60	60

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From		Diameter
0 m	3.04 m	8.3 cm

Audit Number: Z229814

Date Well Completed: June 08, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

# Recommended for you



# Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

### Well ID

Well ID Number: 7267547 Well Audit Number: *Z229815* Well Tag Number: *A164404* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1309 CARLING AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
	NAD83 — Zone 18
UTM Coordinates	Easting: 442403.00
	Northing: 5026132.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK		GRVL		0 m	.31 m
BRWN	SAND	GRVL	SOFT	.31 m	1.21 m
GREY	CLAY	SILT	SOFT	1.21 m	3.04 m
GREY	TILL	SILT	SOFT	3.04 m	5.48 m
GREY	TILL	CLAY		5.48 m	6.09 m

# Annular Space/Abandonment Sealing Record

Depth From		Type of Sealant Used Volum (Material and Type) Placed	_
0 m	.31 m	CONCRETE, FLUSHMOUNT	
.31 m	4.26 m	BENTONITE	
4.26 m	6.09 m	SAND	

# Method of Construction & Well Use

Method of Construction	Well Use		
Direct Push			
	Monitoring and Test Hole		

### Status of Well

**Observation Wells** 

# **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	4.57 m

### **Construction Record - Screen**

Outside Material Depth Depth
Diameter From To

4.82 cm PLASTIC 4.57 m 6.09 m

# Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

# Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	

40	40
45	45
50	50
60	60

#### **Water Details**

#### **Hole Diameter**

Depth From		Diameter
0 m	6.09 m	8.3 cm

Audit Number: Z229815

Date Well Completed: June 07, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

# Recommended for you



# Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Go Back to Map

### Well ID

Well ID Number: 7267591 Well Audit Number: *Z229820* Well Tag Number: *A164351* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1309 CARLING AVE
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
	NAD83 — Zone 18
UTM Coordinates	Easting: 442466.00
	Northing: 5026140.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND	GRVL	LOOS	0 m	2.13 m
BRWN	SILT	CLAY	SOFT	2.13 m	3.66 m
GREY	SILT	CLAY	SOFT	3.66 m	7.32 m

# Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	-
.31 m	5.49 m	BENTONITE	
5.49 m	7.32 m	SAND	

### Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

### Status of Well

Monitoring and Test Hole

# **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	5.79 m

### **Construction Record - Screen**

Outside Material	Depth	Depth
Diameter	From	То

### Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

# Results of Well Yield Testing

After test of well yield, water was		
If pumping discontinued, give reason		
Pump intake set at		
Pumping Rate		
Duration of Pumping		
Final water level		
If flowing give rate		
Recommended pump depth		
Recommended pump rate		
Well Production		
Disinfected?		

# Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	

50	50
60	60

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From	Depth To	Diameter	
0 m	7.32 m	20.95 cm	

Audit Number: Z229820

Date Well Completed: June 06, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

# Recommended for you

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- Outdoors Cards, Licences and Draws
- Renew a licence plate sticker
- Change the address on identification cards
- Driving and Roads

#### Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

### **Recommended for you**

How to use a Ministry of the Environment map

Technical documentation: Metadata record

#### Go Back to Map

### Well ID

Well ID Number: 7267592 Well Audit Number: *Z229845* Well Tag Number: *A169689* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

1200 CARLING AVE
_1309 CARLING AVE
NEPEAN TOWNSHIP
OTTAWA-CARLETON
OTTAWA
ON
n/a
NAD83 — Zone 18
Easting: 442402.00
Northing: 5026110.00

## **Overburden and Bedrock Materials Interval**

General Colour	Most Common Material	Other Materials	<b>General Description</b>	Depth From	Depth To
BLCK		GRVL	HARD	0 m	.31 m
GREY	GRVL	SAND	LOOS	.31 m	1.5 m
GREY	CLAY	SILT	SOFT	1.5 m	4.21 m
GREY	CLAY	STNS	DNSE	4.21 m	6.71 m

# **Annular Space/Abandonment Sealing Record**

-	-	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	1
.31 m	4.88 m	BENTONITE	
4.88 m	6.71 m	SAND	

### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Direct Push	
	Monitoring and Test Hole

#### **Status of Well**

Monitoring and Test Hole

### **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From	
5.2 cm	PLASTIC	0 m	5.18 m

#### **Construction Record - Screen**

Outside Diameter Material Depth Depth From To
6.03 cm PLASTIC 5.18 m 6.71 m

### **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

# **Results of Well Yield Testing**

After test of well yield, water was
f pumping discontinued, give reaso
Pump intake set at
Pumping Rate
Ouration of Pumping
inal water level
f flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

#### Disinfected?

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From	-	Diameter
0 m	6.71 m	8.25 cm

Audit Number: Z229845

Date Well Completed: June 06, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019 Share <u>facebook twitter Print</u>

#### Go Back to Map

### Well ID

Well ID Number: 7267593 Well Audit Number: Z229844 Well Tag Number: A169688

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1309 CARLING AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442416.00 Northing: 5026094.00
<b>Municipal Plan and Sublot Number</b>	
Other	

## **Overburden and Bedrock Materials Interval**

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	GRVL		LOOS	0 m	.61 m
BRWN	SAND		SOFT	.61 m	1.5 m
BRWN	SILT	CLAY	SOFT	1.5 m	4.21 m
GREY	SILT	CLAY	SOFT	4.21 m	6.1 m

# **Annular Space/Abandonment Sealing Record**

Depth From		Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	1
.31 m	4.21 m	BENTONITE	
4 21 m	61 m	SAND	

### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Rotary (Convent.)	
	Monitoring and Test Hole

#### **Status of Well**

Monitoring and Test Hole

# **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.27 m

### **Construction Record - Screen**

Outside Diameter Material Depth From To 6.03 cm PLASTIC 4.27 m 6.1 m

# **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

# **Results of Well Yield Testing**

After test of well yield, water was
If pumping discontinued, give reaso
Pump intake set at
<b>Pumping Rate</b>
<b>Duration of Pumping</b>
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From	-	Diameter
0 m	6.1 m	20.95 cm

Audit Number: Z229844

Date Well Completed: June 06, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019 Share <u>facebook</u> <u>twitter Print</u>

Tags

#### Go Back to Map

### Well ID

Well ID Number: 7276789 Well Audit Number: *Z238023* Well Tag Number: *A191035* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1316 CARLING AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442514.00 Northing: 5026015.00
<b>Municipal Plan and Sublot Number</b>	
Other	

## **Overburden and Bedrock Materials Interval**

General Colour	Most Common Material	Other Materials	<b>General Description</b>	Depth From	Depth To
BRWN	SAND	GRVL	SOFT	0 m	.91 m
GREY	SILT	GRVL	WBRG	.91 m	2.44 m
GREY	SAND	GRVL	WBRG	2.44 m	4.57 m

# **Annular Space/Abandonment Sealing Record**

Depth Dept	Type of Sealant Used	Volume
------------	----------------------	--------

From	To	(Material and Type)	Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	
.31 m	1.22 m	BENTONITE	
1.22 m	4.57 m	SAND	

#### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Other Method	
DIRECT PUSH	Monitoring and Test Hole

#### **Status of Well**

Monitoring and Test Hole

### **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	1.5 m

#### **Construction Record - Screen**

Outside Diameter Material Depth Depth From To
4.82 cm PLASTIC 1.5 m 4.57 m

### **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

# **Results of Well Yield Testing**

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From		Diameter
0 m	4.57 m	8.25 cm

**Audit Number: Z238023** 

Date Well Completed: November 17, 2016

Date Well Record Received by MOE: December 12, 2016

Updated: October 29, 2019 Share <u>facebook twitter Print</u>

Tags

• Environment and energy,

#### Go Back to Map

### Well ID

Well ID Number: 7276790 Well Audit Number: *Z237919* Well Tag Number: *A191034* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1316 CARLING AVE
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442518.00 Northing: 5026030.00
<b>Municipal Plan and Sublot Number</b>	
Other	

## **Overburden and Bedrock Materials Interval**

General Colour	Most Common Material	Other Materials	<b>General Description</b>	Depth From	Depth To
BRWN	SAND	GRVL	SOFT	0 m	1.22 m
GREY	SILT	GRVL	WBRG	1.22 m	2.44 m
GREY	SAND	GRVL	WBRG	2.44 m	4.57 m

# **Annular Space/Abandonment Sealing Record**

Depth	Depth	<b>Type of Sealant Used</b>	Volume
-------	-------	-----------------------------	--------

From	To	(Material and Type)	Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	
.31 m	1.22 m	BENTONITE	
1.22 m	4.54 m	SAND	

#### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Other Method	
DIRECT PUSH	Monitoring and Test Hole

#### **Status of Well**

Monitoring and Test Hole

### **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	1.5 m

#### **Construction Record - Screen**

Outside Diameter Material Depth Depth From To
4.82 cm PLASTIC 1.5 m 4.57 m

### **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

# **Results of Well Yield Testing**

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
<b>Duration of Pumping</b>
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	<b>Recovery Water level</b>
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From		Diameter
0 m	4.57 m	8.25 cm

**Audit Number: Z237919** 

Date Well Completed: November 17, 2016

Date Well Record Received by MOE: December 12, 2016

Updated: October 29, 2019 Share <u>facebook</u> <u>twitter Print</u>

Tags

• Environment and energy,

Go Back to Map

### Well ID

Well ID Number: 7282860 Well Audit Number: *Z250744* Well Tag Number: *A190039* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1335 CARLING AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442419.00 Northing: 5026066.00
<b>Municipal Plan and Sublot Number</b>	
Other	

## **Overburden and Bedrock Materials Interval**

General Colour	Most Common Material	Other Materials	<b>General Description</b>	Depth From	Depth To
GREY	GRVL			0 m	.31 m
BRWN	SAND			.31 m	3.1 m
GREY	TILL			3.1 m	5.79 m

# **Annular Space/Abandonment Sealing Record**

Depth	Depth	<b>Type of Sealant Used</b>	Volume
-------	-------	-----------------------------	--------

From	To	(Material and Type)	Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	1
.31 m	2.44 m	BENTONITE	
2.44 m	5.79 m	SAND	

#### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Direct Push	Monitoring
	Test Hole

#### **Status of Well**

Monitoring and Test Hole

# **Construction Record - Casing**

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	2.74 m

### **Construction Record - Screen**

Outside Diameter Material	Depth	Depth
Diameter Waterian	From	To
4.82 cm PLASTIC	22.74 m	5.79 m

### **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

# **Results of Well Yield Testing**

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From		Diameter	
0 m	5.79 m	8.25 cm	

Audit Number: Z250744

Date Well Completed: February 21, 2017

Date Well Record Received by MOE: March 13, 2017

Updated: October 29, 2019 Share <u>facebook twitter Print</u>

Tags

• Environment and energy,

#### Go Back to Map

### Well ID

Well ID Number: 7282861 Well Audit Number: *Z250743* Well Tag Number: *A190038* 

This table contains information from the original well record and any subsequent updates.

### **Well Location**

Address of Well Location	1335 CARLING AVE		
Township	NEPEAN TOWNSHIP		
Lot			
Concession			
County/District/Municipality	OTTAWA-CARLETON		
City/Town/Village	Ottawa		
Province	ON		
Postal Code	n/a		
UTM Coordinates	NAD83 — Zone 18 Easting: 442367.00 Northing: 5026036.00		
<b>Municipal Plan and Sublot Number</b>			
Other			

## **Overburden and Bedrock Materials Interval**

General Colour	<b>Most Common Material</b>	Other Materials	General Description	Depth From	Depth To
GREY	GRVL			0 m	.31 m
BRWN	SAND			.31 m	1.5 m
GREY	CLAY	SLTY		1.5 m	4.57 m
GREY	TILL			4.57 m	5.79 m

# **Annular Space/Abandonment Sealing Record**

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	[
.31 m	2.44 m	BENTONITE	
2.44 m	5.79 m	SAND	

#### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Direct Push	Monitoring
	Test Hole

#### **Status of Well**

Monitoring and Test Hole

## **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From	
4.03 cm	PLASTIC	0 m	2.74 m

#### **Construction Record - Screen**

Outside Material Depth Depth From To
4.82 cm PLASTIC 2.74 m 5.79 m

#### **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

## **Results of Well Yield Testing**

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
<b>Duration of Pumping</b>
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From	Depth To	Diameter
0 m	5.79 m	8.25 cm

**Audit Number: Z250743** 

**Date Well Completed:** February 21, 2017

**Date Well Record Received by MOE:** March 13, 2017

Updated: October 29, 2019 Share <u>facebook</u> <u>twitter Print</u>

Tags

#### Go Back to Map

#### Well ID

Well ID Number: 7282862 Well Audit Number: *Z250741* Well Tag Number: *A190037* 

This table contains information from the original well record and any subsequent updates.

#### **Well Location**

Address of Well Location	1335 CARLING AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 442355.00 Northing: 5026093.00
<b>Municipal Plan and Sublot Number</b>	
Other	

### **Overburden and Bedrock Materials Interval**

General Colour	<b>Most Common Material</b>	Other Materials	General Description	Depth From	Depth To
GREY	GRVL			0 m	.31 m
BRWN	SAND	FILL		.31 m	1.5 m
GREY	CLAY	SLTY		1.5 m	4.57 m
GREY	TILL			4.57 m	5.79 m

## **Annular Space/Abandonment Sealing Record**

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	[
.31 m	2.44 m	BENTONITE	
2.44 m	5.79 m	SAND	

#### **Method of Construction & Well Use**

<b>Method of Construction</b>	Well Use
Direct Push	Monitoring
	Test Hole

#### **Status of Well**

Monitoring and Test Hole

## **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From	
4.03 cm	PLASTIC	0 m	2.74 m

#### **Construction Record - Screen**

Outside Material Depth Depth From To
4.82 cm PLASTIC 2.74 m 5.79 m

#### **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 7241

## **Results of Well Yield Testing**

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
<b>Duration of Pumping</b>
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

#### **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth From		Diameter
0 m	5.79 m	8.25 cm

Audit Number: Z250741

Date Well Completed: February 21, 2017

**Date Well Record Received by MOE:** March 13, 2017

Updated: October 29, 2019 Share <u>facebook</u> <u>twitter Print</u>

Tags



File Number: D06-03-19-0170

November 29, 2019

Mandy Witteman Paterson Group Inc. 154 Colonnade Road South Ottawa, ON K2E 7J5

Sent via email [mwitteman@patersongroup.ca]

Dear Ms. Witteman,

**Re:** Information Request

1330 Carling Avenue, Ottawa, Ontario ("Subject Property")

#### **Internal Department Circulation**

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

 Sewer Use Program: The City's Sewer Use Program has information available on the subject property pertaining to inspection records for 1330 Carling Avenue. Information Request searches only include recent reports, violations, approvals, and agreements pursuant to the provisions of the Sewer Use by-law (2003-514). The Sewer Use Program cannot guarantee or make comments on the environmental condition of the subject properties, as the Sewer Use Program does not have the necessary data to make

#### **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 is one (1) activity 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:

Shaping our future together Ensemble, formons notre avenir 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  There are 37 activities associated with properties located within 250m of the Subject Property.

Please note that certain activities 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 <a href="http://www.ebr.gov.on.ca/ERS-WEB-External/">http://www.ebr.gov.on.ca/ERS-WEB-External/</a> 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 Eric Steele at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,

Eric Steele

Euc Steele

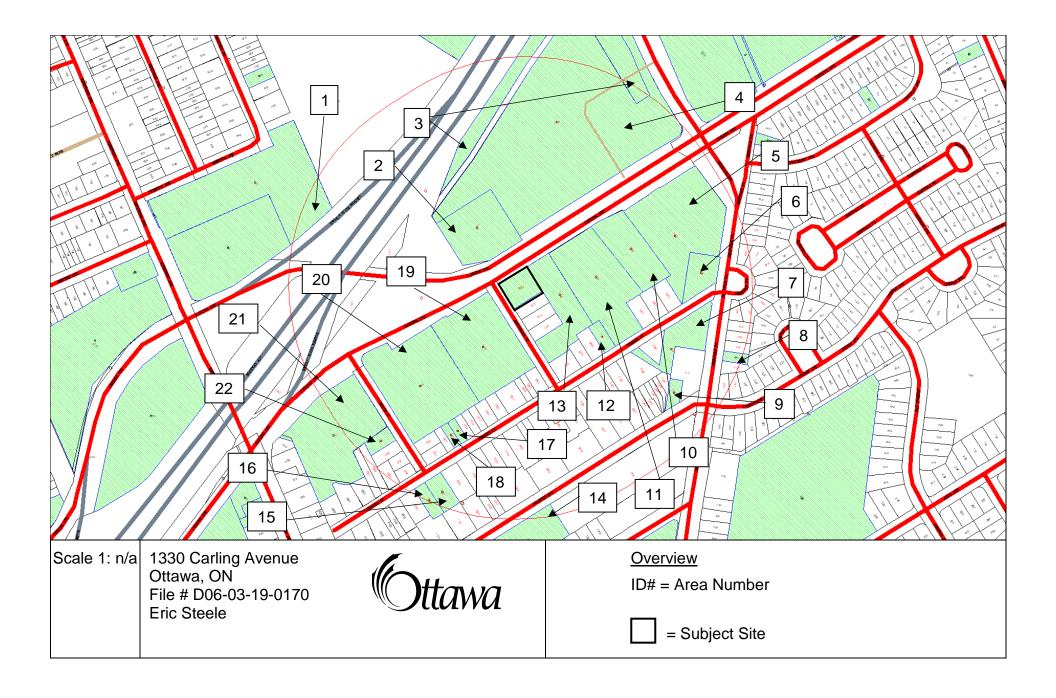
Per:

Michael Boughton, MCIP, RPP Senior Planner Development Review East Planning Services Planning, Infrastructure and Economic Development Department

MB / ES

Enclosures.

cc: File no. D06-03-19-0170



Area	Associated HLUI Activities	HLUI Activities with a PIN Certainty of "2" *
Subject	6225	
Property		
1	10394, 14448, 185, 6210, 6304	10394
2	10013, 10394, 107, 14391, 2331, 4697, 7626, 854	10394, 14391
3	12452	12452
4	12452, 13282, 13308, 13897, 14391, 2220, 2331, 4944, 8762, 9759	12452, 14391, 2220
5	12452, 6037	12452, 6037
6	12452	12452
7	2379, 6282, 8741	
8	3072	
9	607, 7320	
10	12724, 7108	12724
11	12724, 7865	12724
12	92	
13	13543	
14	13119	
15	9284	
16	8832	
17	1337	
18	4052	
19	10519	
20	5789	
21	5789	
22	10141	

<sup>\*</sup>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

Activity Numbers –

Subject Property/Properties



**CITY OF OTTAWA** 

HLUI ID: \_\_679FNJ

Report: Run On: RPTC\_OT\_DEV0122

**Multi-NAIC** 

25 Nov 2019 at: 10:22:59

**Multiple Activities** 

AREA (Square Metres): 1363.785 PIN

040020009 1998

6225 Ν **Activity ID:** Multiple PINS:

**PIN Certainty:** Previous Activity ID(s): 1890, 5711

Related PINS: 040020009

Name: GUS AND JOHN SHELL SERVICE STATION LIMITED

Address: 1330 CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks: Two USTs on south west end of property

HL References 1: M.1957, M.1960, M.1970, M.1980; FIP1957-412-1232, Vol4

HL References 2: **HL References 3:** 

**NAICS** SIC 447190 633 633 447110 811199 633

**Company Name Year of Operation** 

Unnamed Gasoline Service Station c. 1957

Len Desforge Service Station c. 1960

Gus and John Shell Service Station Ltd. c. 1970-1980

MAP Report Ver: 1 Page 1 of 1



# Historical Land Use Inventory

Activity Numbers –

**Adjacent Properties** 



# **Historical Land Use Inventory**

## Area #1 Activity Numbers



Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 10:23:46

HLUI ID: \_\_679ABK
AREA (Square Metres): 14076.892

Study Year 1998 2005 **PIN** 040250147 040250191

Multi-NAIC Y Y Multiple Activities

Υ

Activity ID: 10394

Multiple PINS:

PIN Certainty: 2

Previous Activity ID(s):

5706

Related PINS:

040250147

Name:

ONTARIO DEPARTMENT OF HIGHWAYS

Address:

1359 CARLING AVENUE, OTTAWA

Facility Type:

Motor Vehicles, Wholesale

Comments 1:

Located at #1365 Carling ca. 1948.

Comments 2:

**Generator Number:** 

Storage Tanks:

FIP1948, FIP1956 - Two USTs located on the south west corner

HL References 1:

M.1949, M.1957; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640; FIP1956-332-1-1640,vol3

HL References 2:

**HL References 3:** 

NAICS	SIC	
415190	551	
811111	551	
415120	551	
415110	551	
811310	551	

**Company Name** 

**Year of Operation** 

Ontario Department of Highways

c. 1948-1957

MAP Report Ver: 1 Page 1 of 5



HLUI ID: \_\_679ABK

AREA (Square Metres): 14076.892

RPTC\_OT\_DEV0122 Report:

Run On: 25 Nov 2019 at: 10:23:46

**Multi-NAIC Multiple Activities** 

**PIN** 040250147 **Study Year** 1998 2005 040250191 Υ

**Activity ID:** 14448 **Multiple PINS:** Ν

**PIN Certainty:** Previous Activity ID(s):

Related PINS: 040250191

WATER CONSERVATION TECHNOLOGIES Name:

Address: 1411 CARLING AVENUE, OTTAWA

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** 

WATER CONSERVATION TECHNOLOGIES c. 2001

MAP Report Ver: 1 Page 2 of 5



HLUI ID: \_\_679ABK

AREA (Square Metres): 14076.892

RPTC\_OT\_DEV0122 Report:

Run On: 25 Nov 2019 at: 10:23:46

**PIN** 040250147 **Multiple Activities Multi-NAIC Study Year** 

1998 2005 040250191 Υ

185 **Activity ID: Multiple PINS:** Ν

**PIN Certainty:** Previous Activity ID(s):

Related PINS: 040250191

ARK JEWELLERY REPAIR Name:

Address: 1419 CARLING AVENUE, OTTAWA

Facility Type: Jewellery Stores and Watch and Jewellery Repair Shops

Comments 1: Comments 2:

**Generator Number:** Storage Tanks:

**HL References 1: HL References 2:** 

**HL References 3:** 2001 Employment Survey

**NAICS** SIC 448310 0

**Company Name Year of Operation** 

CONGER'S JEWELLERS c. 2001 ARK JEWELLERY REPAIR c. 2001

MAP Report Ver: 1 Page 3 of 5



HLUI ID: \_\_679ABK

RPTC\_OT\_DEV0122 Report:

Run On: 25 Nov 2019 at: 10:23:46

AREA (Square Metres): 14076.892

**PIN** 040250147 **Multi-NAIC Multiple Activities Study Year** 

1998 2005 040250191 Υ

6210 **Activity ID: Multiple PINS:** Ν

**PIN Certainty:** Previous Activity ID(s):

Related PINS: 040250191

GREAT ATLANTIC & PACIFIC CO. OF CDA.LTD. Name:

Address: 667 KIRKWOOD AVENUE, OTTAWA

Facility Type: Camera and Photographic Supply Stores

Comments 1: FOOD BASICS '#940

Comments 2:

**Generator Number:** ON2392153

Storage Tanks:

HL References 1: **HL References 2:** 

**HL References 3:** 2000 PID

**NAICS** SIC

812922 0 443130 0

**Company Name Year of Operation** 

GREAT ATLANTIC & PACIFIC CO. OF CDA.LTD. c. 2000

MAP Report Ver: 1 Page 4 of 5



HLUI ID: \_\_679ABK

AREA (Square Metres): 14076.892

RPTC\_OT\_DEV0122 Report:

Run On: 25 Nov 2019 at: 10:23:46

**PIN** 040250147 **Multi-NAIC Multiple Activities Study Year** 

1998 2005 040250191 Υ

6304 **Activity ID: Multiple PINS:** Ν

**PIN Certainty:** Previous Activity ID(s):

Related PINS: 040250191

HAMPTON PAINTS LIMITED Name: Address: 1411 CARLING AVENUE,

Facility Type: Lumber and Building Materials, Wholesale

Comments 1: Comments 2:

Storage Tanks: HL References 1: **HL References 2:** 

**Generator Number:** 

**HL References 3:** 2005 Select Phone

**NAICS** SIC 444120 0

HAMPTON PAINTS LIMITED

**Company Name Year of Operation** 

HAMPTON PAINTS LIMITED c. 2005

MAP Report Ver: 1 Page 5 of 5

c. 2001



# **Historical Land Use Inventory**

## Area #2 Activity Numbers



HLUI ID: \_\_679GKV

Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 10:25:10

AREA (Square Metres): 5231.978

Study YearPINMulti-NAICMultiple Activities1998040250173YY

Activity ID: 10013 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040250173

Name: OTTAWA CONSUMER ELECTRONICS
Address: 1335 CARLING AVENUE, OTTAWA

Facility Type: Appliance, Television, Radio and Stereo Stores

Comments 1: Comments 2:

Generator Number: Storage Tanks: HL References 1: HL References 2:

**HL References 3:** 2001 Employment Survey

NAICS SIC

443110 0

Company Name Year of Operation

OTTAWA CONSUMER ELECTRONICS c. 2001

MAP Report Ver: 1 Page 1 of 8



1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

PIN Multi-NAIC Multiple Activities 940250173 Y Y

Activity ID: 10394 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 5706

**Related PINS:** 040250147

Name: ONTARIO DEPARTMENT OF HIGHWAYS

Address: 1359 CARLING AVENUE, OTTAWA

Facility Type: Motor Vehicles, Wholesale

Comments 1: Located at #1365 Carling ca. 1948.

Comments 2:

**Generator Number:** 

Storage Tanks: FIP1948, FIP1956 - Two USTs located on the south west corner

**HL References 1:** M.1949, M.1957; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640; FIP1956-332-1-1640,vol3

HL References 2: HL References 3:

NAICS SIC 415190 551 811111 551 415120 551

 415120
 551

 415110
 551

 811310
 551

Company Name Year of Operation

Ontario Department of Highways c. 1948-1957

MAP Report Ver: 1 Page 2 of 8



1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

PIN Multi-NAIC Multiple Activities

Activity ID: 107 Multiple PINS: N

040250173

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040250173

Name: ELECTRO SONIC INC.
Address: 1335 CARLING AVENUE,

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1: #315

Comments 2:

Generator Number: Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC 417320 0 334410 0 416110 0

Company Name Year of Operation

ELECTRO SONIC INC. c. 2001

ANIXTER CANADA INC. c. 2001

ELECTRO SONIC INC. c. 2005

MAP Report Ver: 1 Page 3 of 8



HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year PIN Multi-NAIC Multiple Activities 998 040250173 Y Wultiple Activities

Activity ID: 14391 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 3316

**Related PINS:** 040250172

Name: TURNERS SERVICE STATION
Address: 1331 CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: unit a

Comments 2:

**Generator Number:** 

Storage Tanks:

**HL References 1:** M.1960, M.1970, M.1980

HL References 2: HL References 3:

NAICS SIC 447110 633 811199 633 447190 633

Company Name Year of Operation

Turners Service Station c. 1960-1970

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1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

PIN Multi-NAIC Multiple Activities

Activity ID: 2331 Multiple PINS: N

040250173

PIN Certainty: 1 Previous Activity ID(s): 868, 3315, 5707

**Related PINS:** 040250173

Name: SUN OIL COMPANY LIMITED
Address: 1339 CARLING AVENUE, OTTAWA

Facility Type: Petroleum Products, Wholesale

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks: FIP1948, FIP1956 -Two USTs -gasoline, FIP1956 -Six steel ASTs, FIP1948 -Five steel ASTs

**HL References 1:** M.1949, M.1957, M.1956, M.1960, M.1970, M.1980; FIP1901,vol2; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640;

FIP1956-332-1-1640,vol3; FIP1956-332-2-1640,vol3.

**HL References 2:** 

**HL References 3:** 

NAICS	SIC
412110	511
493120	479
493130	479
447110	633
811199	633
447190	633
493190	479
419120	511
454310	511

Company Name Year of Operation

BP Oil Ltd. c. 1970

Barrington Petroleum Products Ltd. c. 1956-1957

Unnamed Gasoline Service Station and Oiling c. 1949-1956

Sun Oil Company Ltd. c. 1948

Barrington Fuel Oil c. 1960

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1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

PIN Multi-NAIC Multiple Activities

Activity ID: 4697 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 6958

040250173

**Related PINS:** 040250173

Name: E.B. EDDY FOREST PRODUCTS LIMITED

Address: 1335 CARLING AVENUE, OTTAWA

Facility Type: Other Wood Industries

Comments 1: GEN# = On0009805

Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: PID1994

HL References 2: HL References 3:

NAICS SIC

321217 259

321216 259

337920 259

321114 259

Company Name Year of Operation

E.B. Eddy Forest Products Ltd. c. 1994

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1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

RPTC\_OT\_DEV0122 Report:

Run On: 25 Nov 2019 at: 10:25:10

**PIN** 040250173 **Study Year Multi-NAIC Multiple Activities** 

7626 Ν **Activity ID:** Multiple PINS:

**PIN Certainty:** 1 Previous Activity ID(s):

Related PINS: 040250173

Name: KIDNEY FOUNDATION-CANADA

Address: 1335 CARLING AVENUE, Facility Type: Gasoline Service Stations

Comments 1: #101

Comments 2:

**Generator Number:** Storage Tanks:

HL References 1: **HL References 2:** 

2005 Select Phone **HL References 3:** 

**NAICS** SIC

811199 0 488410 0

**Company Name Year of Operation** 

KIDNEY FOUNDATION-CANADA c. 2005

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1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GKV

AREA (Square Metres): 5231.978

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

PIN Multi-NAIC Multiple Activities Y

Activity ID: 854 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 5097

**Related PINS:** 040250173

Name:A ZACHARY DENTAL LAB LIMITEDAddress:1335 CARLING AVENUE, OTTAWA

Facility Type: Other Manufactured Products Industries

Comments 1: Unit 400

Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: SC98

HL References 2: HL References 3:

NAICS SIC

334610 399

Company Name Year of Operation

A Zachary Dental Lab Ltd. c. 1998

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# **Historical Land Use Inventory**

## Area #3 Activity Numbers



Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 10:26:51

HLUI ID: \_\_679GUE

AREA (Square Metres): 8827.750

Study YearPINMulti-NAICMultiple Activities1998040250170YN

Activity ID: 12452 Multiple PINS: Y

**PIN Certainty:** 2 **Previous Activity ID(s):** 5724, 1574, 5712

**Related PINS:** 040020014

Name: SHERIDAN GARAGE

Address: MERIVALE ROAD, OTTAWA
Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks: Two USTs in south east corner of property

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1957, M.1960, M.1970, M.1980; FIP1957-412-1232,vol4

HL References 2: HL References 3:

SIC
633
633
633
635
635
635

Company Name Year of Operation

Unnamed Garage c. 1957

Western Tire & Auto Supply Ltd. c. 1960

Sheridan Garage c. 1940

MAP Report Ver: 1 Page 1 of 1



# **Historical Land Use Inventory**

## Area #4 Activity Numbers



Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 10:27:35

HLUI ID: \_\_679GGJ AREA (Square Metres): 36891.666

**Study Year** PIN

040250172

**Multi-NAIC** 

**Multiple Activities** 

**Activity ID: PIN Certainty:** 

1998

12452

2

Multiple PINS:

Previous Activity ID(s):

Υ

5724, 1574, 5712

Related PINS:

040020014

Name:

SHERIDAN GARAGE

Address:

MERIVALE ROAD, OTTAWA

Facility Type:

Motor Vehicle Repair Shops

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks:

Two USTs in south east corner of property

HL References 1:

M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1957, M.1960, M.1970, M.1980; FIP1957-412-1232,vol4

HL References 2:

**HL References 3:** 

NAICS	SIC
447110	633
811199	633
447190	633
811121	635
811119	635
811112	635

**Company Name Year of Operation** 

Unnamed Garage

c. 1957

Western Tire & Auto Supply Ltd.

c. 1960

Sheridan Garage

c. 1940

MAP Report Ver: 1 Page 1 of 10



1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

PIN Multi-NAIC Multiple Activities

Activity ID: 13282 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 4282

040250172

**Related PINS:** 040250172

Name: SUPERIOR PHOTO WESTGATE

Address: 1309 CARLING AVENUE,

Facility Type: Camera and Photographic Supply Stores

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: SC98

**HL References 2:** 

HL References 3: 2005 Select Phone

2
2

Company Name Year of Operation

One Hour Motophoto c. 1990-1999

SUPERIOR PHOTO WESTGATE c. 2001
SUPERIOR PHOTO WESTGATE c. 2005

Superior Photo c. 1990-1999

MAP Report Ver: 1 Page 2 of 10



1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

PIN Multi-NAIC Multiple Activities Y

Activity ID: 13308 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 2317

**Related PINS:** 040250172

Name: SUN OIL CO. LIMITED

Address: 1307 CARLING AVENUE, OTTAWA

Facility Type: Petroleum Products, Wholesale

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks:

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, BEP-1950

HL References 2: HL References 3:

 NAICS
 SIC

 447110
 633

 454310
 511

 811199
 633

 412110
 511

 419120
 511

 447190
 633

Company Name Year of Operation

Sun Oil Co. Ltd. c. 1946-1950

MAP Report Ver: 1 Page 3 of 10



HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year PIN Multi-NAIC Multiple Activities 1998 040250172 Y Y

Activity ID: 13897 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040250172

 Name:
 WARLYN CONSTRUCTION LIMITED

 Address:
 1309 CARLING AVENUE, OTTAWA

 Facility Type:
 Residential Building and Development

Comments 1: Comments 2:

Generator Number:

Storage Tanks: HL References 1:

**HL References 2:** 

HL References 3: 2001 Employment Survey

**NAICS SIC** 236110 0

Company Name Year of Operation

WARLYN CONSTRUCTION LIMITED c. 2001

MAP Report Ver: 1 Page 4 of 10



HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year PIN Multi-NAIC Multiple Activities 1998 040250172 Y Y

Activity ID: 14391 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 3316

**Related PINS:** 040250172

Name: TURNERS SERVICE STATION
Address: 1331 CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: unit a

Comments 2:

**Generator Number:** 

Storage Tanks:

**HL References 1:** M.1960, M.1970, M.1980

HL References 2: HL References 3:

NAICS SIC 447110 633 811199 633 447190 633

Company Name Year of Operation

Turners Service Station c. 1960-1970

MAP Report Ver: 1 Page 5 of 10



**Study Year** 

1998

**CITY OF OTTAWA** 

HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

PIN Multi-NAIC Multiple Activities Y

Activity ID: 2220 Multiple PINS: N

PIN Certainty: 2 Previous Activity ID(s): 3312, 2612

**Related PINS:** 040250172

Name: BROWN'S CLEANERS

Address: 1317 CARLING AVENUE, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1: no pin for 1317 - pin is for 1309

Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980; SC98

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
561740	972
812310	972
812330	972
812320	0
812320	972

Company Name Year of Operation

Brown Cleaners and Coin Wash c. 1980-1998

Paul's Service Stores Ltd. c. 1960

BROWN'S CLEANERS c. 2001

MAP Report Ver: 1 Page 6 of 10



HLUI ID: \_\_679GGJ

Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 10:27:35

AREA (Square Metres): 36891.666

**Study Year** PIN **Multi-NAIC Multiple Activities** 040250172 1998

2331 **Activity ID:** Multiple PINS: Ν

868, 3315, 5707 **PIN Certainty:** Previous Activity ID(s):

Related PINS: 040250173

Name: SUN OIL COMPANY LIMITED Address: 1339 CARLING AVENUE, OTTAWA

**Facility Type:** Petroleum Products, Wholesale

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks: FIP1948, FIP1956 -Two USTs -gasoline, FIP1956 -Six steel ASTs, FIP1948 -Five steel ASTs

HL References 1: M.1949, M.1957, M.1956, M.1960, M.1970, M.1980; FIP1901,vol2; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640;

FIP1956-332-1-1640,vol3; FIP1956-332-2-1640,vol3.

HL References 2:

**HL References 3:** 

NAICS	SIC
412110	511
493120	479
493130	479
447110	633
811199	633
447190	633
493190	479
419120	511
454310	511

**Year of Operation Company Name** 

BP Oil Ltd. c. 1970

Barrington Petroleum Products Ltd. c. 1956-1957

Unnamed Gasoline Service Station and Oiling c. 1949-1956

Sun Oil Company Ltd. c. 1948

Barrington Fuel Oil c. 1960

MAP Report Ver: 1 Page 7 of 10



HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year PIN Multi-NAIC Multiple Activities 1998 040250172 Y Y

Activity ID: 4944 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040250172

Name: DOUBLE D PLUMBING & HEATING
Address: 1309 CARLING AVENUE, OTTAWA

Facility Type: Plumbing, Heating and Air Conditioning, Mechanical Work

Comments 1: Comments 2:

Generator Number: Storage Tanks:

HL References 1: HL References 2:

**HL References 3:** 2001 Employment Survey

**NAICS SIC** 238220 0

Company Name Year of Operation

DOUBLE D PLUMBING & HEATING c. 2001

MAP Report Ver: 1 Page 8 of 10



HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year PIN Multi-NAIC Multiple Activities 1998 040250172 Y Y

Activity ID: 8762 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040250172

Name: MOTOPHOTO ONE HOUR
Address: 1309 CARLING AVENUE,

Facility Type: Camera and Photographic Supply Stores

Comments 1: #47

Comments 2:

Generator Number: Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

812921 0 812922 0

Company Name Year of Operation

MOTOPHOTO ONE HOUR c. 2005

MOTOPHOTO ONE HOUR c. 2001

MAP Report Ver: 1 Page 9 of 10



HLUI ID: \_\_679GGJ

AREA (Square Metres): 36891.666

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year PIN Multi-NAIC Multiple Activities 1998 040250172 Y Y

Activity ID: 9759 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040250172

Name: NETTLETON'S JEWELLERY LIMITED

Address: 1309 CARLING AVENUE,

Facility Type: Jewellery Stores and Watch and Jewellery Repair Shops

Comments 1: #17

Comments 2:

Generator Number: Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2005 Select Phone

**NAICS SIC** 448310 0

Company Name Year of Operation

NETTLETON'S JEWELLERY LIMITED c. 2005

NETTLETON'S JEWELLERY LIMITED c. 2001

MAP Report Ver: 1 Page 10 of 10



### Area #5 Activity Numbers



Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 10:29:57

HLUI ID: \_\_679G1N

Multiple PINS:

AREA (Square Metres): 9727.589

 Study Year
 PIN
 Multi-NAIC

 1998
 040020014
 Y

Multiple Activities

Activity ID: 12452

**Previous Activity ID(s):** 5724, 1574, 5712

Υ

**Related PINS:** 040020014

Name: SHERIDAN GARAGE

Address: MERIVALE ROAD, OTTAWA
Facility Type: Motor Vehicle Repair Shops

Comments 1:

**PIN Certainty:** 

Comments 2:

**Generator Number:** 

Storage Tanks: Two USTs in south east corner of property

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1957, M.1960, M.1970, M.1980; FIP1957-412-1232,vol4

HL References 2: HL References 3:

NAICS SIC

	0.0
447110	633
811199	633
447190	633
811121	635
811119	635
811112	635

Company Name Year of Operation

Unnamed Garage c. 1957

Western Tire & Auto Supply Ltd. c. 1960

Sheridan Garage c. 1940

MAP Report Ver: 1 Page 1 of 2



HLUI ID: \_\_679G1N

AREA (Square Metres): 9727.589

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:29:57

Study Year PIN Multi-NAIC Multiple Activities
1998 040020014 Y Y

Activity ID: 6037 Multiple PINS: N

PIN Certainty: 2 Previous Activity ID(s): 6655

**Related PINS:** 040020014

Name: FRAZER DUNTILE CO. LIMITED

Address: , OTTAWA

Facility Type: Concrete Products Industries

Comments 1: Located on the south-west corner of Carling and Merivale Rd. This company also maintained a sand

pit in Bells Corners in the same year.

Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: Roy-1952

HL References 2:

**HL References 3:** 

NAICS	SIC
212323	82
327120	351
327320	355
327990	354
327110	351
327330	354
327390	354

Company Name Year of Operation

Frazer Duntile Co. Ltd. c. 1927

MAP Report Ver: 1 Page 2 of 2



### Area #6 Activity Numbers



Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 10:31:09

HLUI ID: \_\_679FTW

AREA (Square Metres): 1703.092

**Study Year** PIN **Multi-NAIC** 

040020015 1998

**Multiple Activities** 

**Activity ID:** 

12452

Multiple PINS:

Υ

**PIN Certainty:** 

2

Previous Activity ID(s):

5724, 1574, 5712

Related PINS:

040020014

Name:

SHERIDAN GARAGE

Address:

MERIVALE ROAD, OTTAWA Motor Vehicle Repair Shops

Facility Type:

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks:

Two USTs in south east corner of property

HL References 1:

M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1957, M.1960, M.1970, M.1980; FIP1957-412-1232, vol4

HL References 2:

**HL References 3:** 

NAICS	SIC
447110	633
811199	633
447190	633
811121	635
811119	635
811112	635

**Company Name Year of Operation** 

Unnamed Garage

c. 1957

Western Tire & Auto Supply Ltd.

c. 1960

Sheridan Garage

c. 1940

MAP Report Ver: 1 Page 1 of 1



### Area #7 Activity Numbers



Report:

RPTC\_OT\_DEV0122

HLUI ID: \_\_6799DP

Run On:

25 Nov 2019 at: 10:31:52

AREA (Square Metres): 2773.468

Study Year PIN Multi-NAIC

2005 040020045

Y

Multiple Activities

Activity ID: 2379

Multiple PINS: N

PIN Certainty:

Previous Activity ID(s):

Related PINS:

040020045

Name:

CLASS 1 TANK INSTALLATIONS LIMITED

Address:

868 MERIVALE ROAD,

Facility Type:

Plumbing, Heating and Air Conditioning, Mechanical Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

**HL References 2:** 

HL References 3:

2005 Select Phone

NAICS SIC
238910 0
238210 0
238220 0

**Company Name** 

**Year of Operation** 

CLASS 1 TANK INSTALLATIONS LIMITED

c. 2005

MAP Report Ver: 1 Page 1 of 3



**Study Year** 

2005

**CITY OF OTTAWA** 

HLUI ID: \_\_6799DP

AREA (Square Metres): 2773.468

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:31:52

PIN Multi-NAIC Multiple Activities Y

Activity ID: 6282 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020045

Name: HAGOPIAN-LOC

Address: 864 MERIVALE ROAD, OTTAWA

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

811210 0

Company Name Year of Operation

HAGOPIAN-LOC c. 2001

MAP Report Ver: 1 Page 2 of 3



**Study Year** 

2005

**CITY OF OTTAWA** 

HLUI ID: \_\_6799DP

AREA (Square Metres): 2773.468

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:31:52

PIN Multi-NAIC Multiple Activities
040020045 Y Y

Activity ID: 8741 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020045

Name: MATRIX DM PRODUCTIONS

Address: 868 MERIVALE ROAD,

Facility Type: Motion Picture Laboratories and Video Production Facilities

Comments 1: Comments 2:

Generator Number:

Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

512110 0

Company Name Year of Operation

SIXTH CHORD PRODUCTIONS INC. c. 2001

MATRIX DM PRODUCTIONS c. 2005

MAP Report Ver: 1 Page 3 of 3



### Area #8 Activity Numbers



Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 10:32:50

HLUI ID: \_\_6799DQ

AREA (Square Metres): 365.986

Study YearPINMulti-NAICMultiple Activities2005040390084YN

Activity ID: 3072 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040390084

Name: CARLING PLUMBING
Address: 871 MERIVALE ROAD,

Facility Type: Plumbing, Heating and Air Conditioning, Mechanical Work

Comments 1: Comments 2:

Generator Number: Storage Tanks: HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC
238910 0
238220 0
238210 0

Company Name Year of Operation

CARLING PLUMBING c. 2001

CARLING PLUMBING c. 2005

MAP Report Ver: 1 Page 1 of 1



### Area #9 Activity Numbers



Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 10:33:18

HLUI ID: \_\_6790KU
AREA (Square Metres): 498.371

 Study Year
 PIN
 Multi-NAIC
 Multiple Activities

 2005
 040020048
 Y
 Y

Activity ID: 607 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020048

Name: ACT TV & STEREO

Address: 1255 COLDREY AVENUE, OTTAWA

Facility Type: Appliance, Television, Radio and Stereo Stores

Comments 1: Comments 2:

Generator Number: Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

443110 0

Company Name Year of Operation

ACT TV & STEREO c. 2001

MAP Report Ver: 1 Page 1 of 2



**Study Year** 

2005

**CITY OF OTTAWA** 

HLUI ID: \_\_6790KU

AREA (Square Metres): 498.371

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:33:18

PIN Multi-NAIC Multiple Activities Y

Activity ID: 7320 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020048

Name: J R - TECH LIMITED

Address: 1255 COLDREY AVENUE, OTTAWA

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

811210 0

Company Name Year of Operation

J R - TECH LIMITED c. 2001

MAP Report Ver: 1 Page 2 of 2



### Area #10 Activity Numbers



HLUI ID: \_\_679FDN

Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 10:34:04

AREA (Square Metres): 3956.044

**Study Year PIN** 1998 040020013

Multi-NAIC

Multiple Activities

Activity ID:

12724

Multiple PINS:

Ť

PIN Certainty:

2

Previous Activity ID(s):

1709

Υ

Related PINS:

040020012

Name: Address: SEVEN-UP BOTTLING CO. LIMITED 1314 CARLING AVENUE, OTTAWA

Facility Type:

Soft Drink Industry

Comments 1:

. . .

Comments 2:

Generator Number:

Storage Tanks:

One UST on west side of property

HL References 1:

M.1957, M.1958, M.1960, M.1961, M.1964, M.1970, M.1980; S.1958, S.1961, S.1964/65; Roy-1952.

FIP1957-412-1232,vol4

**HL References 2:** 

**HL References 3:** 

**NAICS** 

SIC

312120

111

**Company Name** 

**Year of Operation** 

Seven-Up Bottling Co. Ltd.

c. 1952-1961

MAP Report Ver: 1 Page 1 of 2



HLUI ID: \_\_679FDN

AREA (Square Metres): 3956.044

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:34:04

Study Year PIN Multi-NAIC Multiple Activities 998 040020013 Y Wultiple Activities

Activity ID: 7108 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020013

Name: INSTALLATIONS GERMAIN PARADIS

Address: 1300 CARLING AVENUE,

Facility Type: Lumber and Building Materials, Wholesale

**Comments 1:** #308

Comments 2:

Generator Number: Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

416320 0

Company Name Year of Operation

INSTALLATIONS GERMAIN PARADIS c. 2005

MAP Report Ver: 1 Page 2 of 2



### Area #11 Activity Numbers



Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 10:38:25

HLUI ID: \_\_670IH1

AREA (Square Metres): 7887.966

Study YearPINMulti-NAICMultiple Activities1998040020012YY

Activity ID: 12724 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s): 1709

**Related PINS:** 040020012

Name: SEVEN-UP BOTTLING CO. LIMITED Address: 1314 CARLING AVENUE, OTTAWA

Facility Type: Soft Drink Industry

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks: One UST on west side of property

**HL References 1:** M.1957, M.1958, M.1960, M.1961, M.1964, M.1970, M.1980; S.1958, S.1961, S.1964/65; Roy-1952.

FIP1957-412-1232,vol4

**HL References 2:** 

**HL References 3:** 

NAICS SIC

312120 111

Company Name Year of Operation

Seven-Up Bottling Co. Ltd. c. 1952-1961

MAP Report Ver: 1 Page 1 of 2



**Study Year** 

1998

**CITY OF OTTAWA** 

HLUI ID: \_\_670IH1

AREA (Square Metres): 7887.966

Report: RPTC\_OT\_DEV0122

Run On: 25 Nov 2019 at: 10:38:25

PIN Multi-NAIC Multiple Activities Y

Activity ID: 7865 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020012

Name: KANAC ELECTRIC

Address: 1316 CARLING AVENUE, OTTAWA

Facility Type: Mechanical Specialty Work

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

238210 0

Company Name Year of Operation

KANAC ELECTRIC c. 2001

MAP Report Ver: 1 Page 2 of 2



### Area #12 Activity Numbers



Run On:

Report:

RPTC\_OT\_DEV0122

25 Nov 2019 at: 11:02:23

HLUI ID: \_\_679BW3

AREA (Square Metres): 557.342

**Multiple Activities Study Year** PIN **Multi-NAIC** 040020011 2005

Activity ID: 92 Multiple PINS: Ν

PIN Certainty: Previous Activity ID(s):

040020011 Related PINS:

Name: ALTONA DOOR AND WINDOWS Address: 1267 THAMES STREET, OTTAWA

Facility Type: Household Furniture Stores

Comments 1: Comments 2:

**Generator Number:** Storage Tanks:

HL References 1: **HL References 2:** 

2001 Employment Survey HL References 3:

**NAICS** SIC

442110 0

**Company Name Year of Operation** 

ALTONA DOOR AND WINDOWS c. 2001

MAP Report Ver: 1 Page 1 of 1



### Area #13 Activity Numbers



Report:

RPTC\_OT\_DEV0122

HLUI ID: \_\_679BWN

Run On:

25 Nov 2019 at: 11:03:14

AREA (Square Metres): 4213.238

**Study Year** PIN **Multi-NAIC Multiple Activities** 040020005 2005

Activity ID: 13543 Multiple PINS: Ν

PIN Certainty: Previous Activity ID(s):

040020005 Related PINS:

Name: **TENAQUIP** 

Address: 1320 CARLING AVENUE, OTTAWA

Facility Type: Industrial Machinery, Equipment and Supplies, Wholesale

Comments 1: Comments 2:

**Generator Number:** 

Storage Tanks:

HL References 1: **HL References 2:** 

2001 Employment Survey **HL References 3:** 

**NAICS** SIC

417230 0

**Company Name Year of Operation** 

TENAQUIP c. 2001

MAP Report Ver: 1 Page 1 of 1



### Area #14 Activity Numbers



Report:

RPTC\_OT\_DEV0122

HLUI ID: \_\_6790KT

Run On: 25 Nov 2019 at: 11:05:54

AREA (Square Metres): 4211.706

**Multiple Activities Study Year** PIN **Multi-NAIC** 040020092 2005

**Activity ID:** 13119 Multiple PINS: Υ

PIN Certainty: Previous Activity ID(s):

040020092 Related PINS:

Name: ST ELIZABETH SCHOOL

Address: 1366 COLDREY AVENUE, OTTAWA Facility Type: Elementary and Secondary Education

Comments 1: SAINT-BONAVENTURE

Comments 2:

**Generator Number:** ON1285752

Storage Tanks: HL References 1: HL References 2:

2000 PID **HL References 3:** 

**NAICS** SIC

611110 0

**Company Name Year of Operation** 

ST ELIZABETH SCHOOL c. 2005

ST ELIZABETH SCHOOL c. 2000

MAP Report Ver: 1 Page 1 of 1



### Area #15 Activity Numbers



Report:

RPTC\_OT\_DEV0122

HLUI ID: \_\_67907H

Run On:

25 Nov 2019 at: 11:06:39

AREA (Square Metres): 949.269

Study YearPINMulti-NAICMultiple Activities2005040020078NN

Activity ID: 9284 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020078

Name: METEOR PAINTERS CONTRACTORS

Address: 1332 THAMES STREET,
Facility Type: Interior and Finishing Work

Comments 1: Comments 2:

Generator Number: Storage Tanks:

HL References 1: HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

238320 0

Company Name Year of Operation

METEOR PAINTERS CONTRACTORS c. 2005

MAP Report Ver: 1 Page 1 of 1



### Area #16 Activity Numbers



Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 11:08:12

HLUI ID: \_\_67907I

AREA (Square Metres): 650.189

**Multiple Activities Study Year** PIN **Multi-NAIC** 040020079 2005

Activity ID: 8832 Multiple PINS: Ν

PIN Certainty: Previous Activity ID(s):

040020079 Related PINS:

Name: MIKE PROTEAU DRY WALL & PNTNG

Address: 1340 THAMES STREET, Facility Type: Interior and Finishing Work

Comments 1: #3

Comments 2:

**Generator Number:** Storage Tanks:

HL References 1: HL References 2:

2005 Select Phone HL References 3:

**NAICS** SIC

238320 0

**Company Name Year of Operation** 

MIKE PROTEAU DRY WALL & PNTNG c. 2005

MAP Report Ver: 1 Page 1 of 1



### Area #17 Activity Numbers



#### **CITY OF OTTAWA**

Report:

RPTC\_OT\_DEV0122

HLUI ID: \_\_67906B

Run On:

25 Nov 2019 at: 11:09:49

AREA (Square Metres): 290.813

Study YearPINMulti-NAICMultiple Activities2005040020030YN

Activity ID: 1337 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

Related PINS: 040020030

Name: ASPEN TRANSPORTATION LOGISTICS

Address: 1321 THAMES STREET,
Facility Type: Truck Transport Industries

Comments 1: Comments 2:

Generator Number:

Storage Tanks: HL References 1:

HL References 2:

**HL References 3**: 2005 Select Phone

NAICS	SIC
484122	0
484231	0
484239	0
484232	0
484121	0
484233	0

Company Name Year of Operation

ASPEN TRANSPORTATION LOGISTICS c. 2005

MAP Report Ver: 1 Page 1 of 1



# **Historical Land Use Inventory**

## Area #18 Activity Numbers



#### **CITY OF OTTAWA**

Report: Run On: RPTC\_OT\_DEV0122

25 Nov 2019 at: 11:10:15

HLUI ID: \_\_67906F

AREA (Square Metres): 290.856

Study YearPINMulti-NAICMultiple Activities2005040020031NN

Activity ID: 4052 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s):

**Related PINS:** 040020031

Name: CUSTOM PLASTICS
Address: 1325 THAMES STREET,

Facility Type: Other Plastic Products Industries

Comments 1: Comments 2:

Generator Number: Storage Tanks: HL References 1: HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

326198 0

Company Name Year of Operation

CUSTOM PLASTICS c. 2005

MAP Report Ver: 1 Page 1 of 1



# **Historical Land Use Inventory**

Area #19 Activity Numbers



**CITY OF OTTAWA** 

Report:

RPTC\_OT\_DEV0122

HLUI ID: \_\_679GTG

Run On:

25 Nov 2019 at: 11:08:40

**Multiple Activities** 

AREA (Square Metres): 8394.929

Study Year PIN Multi-NAIC

1998 040020019 Y N

Activity ID: 10519 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 3361

**Related PINS:** 040020019

Name: PERRY'S GARAGE

Address: 1350 CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

**Generator Number:** 

Storage Tanks: Two USTs located on the north side of property

**HL References 1:** M.1957, M.1960, M.1970, M.1980; FIP411-1776, vol4

HL References 2:

**HL References 3:** 

SIC
633
635
635
635
633
633

Company Name Year of Operation

Perry's Garage/West Service Garage c. 1960

Day's Garage c. 1957

MAP Report Ver: 1 Page 1 of 1



# **Historical Land Use Inventory**

## Area #20 Activity Numbers



**CITY OF OTTAWA** 

Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 11:11:09

HLUI ID: \_\_679G21

AREA (Square Metres): 10463.346

PIN

**Study Year** 040020020 1998

**Multi-NAIC** 

**Multiple Activities** 

**Activity ID:** 

5789

Multiple PINS:

Previous Activity ID(s):

Υ

3363

**PIN Certainty:** Related PINS:

040020020

Name:

GEORGE F. LEFEBVRE

Address:

CARLING AVENUE, OTTAWA

Facility Type:

Gasoline Service Stations

Comments 1:

1384 to 1386

Comments 2:

**Generator Number:** Storage Tanks:

Three USTs located on the south west corner of property

HL References 1:

M.1957, M.1960, M.1970, M.1980; FIP1957-411-1776, vol4

HL References 2:

**HL References 3:** 

**NAICS** SIC

447190 811199

633

447110

633 633

**Company Name** 

**Year of Operation** 

Unnamed Gasoline Service Station

c. 1957

George F. Lefebvre

c. 1960

MAP Report Ver: 1 Page 1 of 1



**CITY OF OTTAWA** 

Report:

RPTC\_OT\_DEV0122

Run On:

Υ

25 Nov 2019 at: 11:11:37

**Multiple Activities** 

HLUI ID: \_\_679G1L AREA (Square Metres): 9663.472

**Study Year** PIN **Multi-NAIC** 

040020035 1998

Multiple PINS:

**PIN Certainty:** Previous Activity ID(s): 3363

Related PINS: 040020020

Name: GEORGE F. LEFEBVRE

5789

Address: CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: 1384 to 1386

Comments 2:

**Activity ID:** 

**Generator Number:** 

Storage Tanks: Three USTs located on the south west corner of property

HL References 1: M.1957, M.1960, M.1970, M.1980; FIP1957-411-1776, vol4

HL References 2: **HL References 3:** 

**NAICS** SIC

447190 633 633 811199 447110 633

**Year of Operation Company Name** 

Unnamed Gasoline Service Station c. 1957

George F. Lefebvre c. 1960

MAP Report Ver: 1 Page 1 of 1



# **Historical Land Use Inventory**

## Area #21 Activity Numbers



**CITY OF OTTAWA** 

Report:

RPTC\_OT\_DEV0122

Run On:

25 Nov 2019 at: 11:12:27

HLUI ID: \_\_679EVF

AREA (Square Metres): 619.878

Study YearPINMulti-NAICMultiple Activities1998040020036YN

Activity ID: 10141 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s): 5077

Related PINS: 040020036

Name:P B FRASER AND ASSOCIATESAddress:824 MEATH STREET, OTTAWAFacility Type:Motor Vehicle Repair Shops

Comments 1: Comments 2:

Comments 2.

**Generator Number:** 

Storage Tanks:

HL References 1: SC98

HL References 2: HL References 3:

NAICS SIC 811121 635 811119 635 811112 635 488410 639

Company Name Year of Operation

P B Fraser and Associates c. 1998

MAP Report Ver: 1 Page 1 of 1

#### **Mandy Witteman**

From: Public Information Services <publicinformationservices@tssa.org>

Sent: November-08-19 7:41 AM

To: Mandy Witteman

**Subject:** RE: Search records request (PE4789)

Follow Up Flag: Flag for follow up

Flag Status: Flagged

#### No Records Found

Thank you for your request for confirmation of public information.

We confirm that there are no fuel storage tanks records in our database at the subject address(es).

For a further search in our archives please complete our release of public information form found at <a href="https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?">https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?</a> mid =392 and email the completed form to <a href="mailto:publicinformationservices@tssa.org">publicinformationservices@tssa.org</a> 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,



#### Connie Hill | Public Information Agent

Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9

Tel: +1-416-734-3383 | Fax: +1-416-231-6183 | E-Mail: publicinformationservices@tssa.org

www.tssa.org







From: Mandy Witteman < MWitteman@Patersongroup.ca>

Sent: November 7, 2019 3:40 PM

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

**Subject:** Search records request (PE4789)

Good afternoon,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills or other incidents/infractions for the following addresses in Ottawa, ON:

Carling Ave: 1130, 1316, 1320, 1354, 1376, 1335, 1309, 1296

Archibald St: 815, 819,

Thank you!

Cheers,

Mandy Witteman, B. Eng., M.A.Sc.

## patersongroup

solution oriented engineering over 60 years servicing our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 339

Cell: (403) 921-1157

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Project Property: 1330 Carling Avenue and 815 Archibald

Street

1330 Carling Ave and 815 Archibald St

Ottawa ON K1Z 7K8

**Project No:** *PO# 29447* 

Report Type: Standard Report Order No: 20200205796

Requested by: Paterson Group Inc.

Date Completed: February 7, 2020

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### **Executive Summary**

_			
Pro	nertv	Inform	natı∩n∙

**Project Property:** 1330 Carling Avenue and 815 Archibald Street

1330 Carling Ave and 815 Archibald St Ottawa ON K1Z 7K8

Order No: 20200205796

Project No: PO# 29447

Coordinates:

 Latitude:
 45.3850336

 Longitude:
 -75.7352787

 UTM Northing:
 5,025,987.12

 UTM Easting:
 442,438.25

UTM Zone: 18T

Elevation: 239 FT

72.88 M

**Order Information:** 

Order No: 20200205796

Date Requested: February 5, 2020

Requested by: Paterson Group Inc.

Report Type: Standard Report

Historical/Products:

## Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Υ	0	0	0
AGR	Aggregate Inventory	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	0	0
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Υ	0	11	11
CA	Certificates of Approval	Υ	1	4	5
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	0	0
EBR	Environmental Registry	Υ	0	0	0
ECA	Environmental Compliance Approval	Υ	0	2	2
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	2	17	19
EIIS	Environmental Issues Inventory System	Υ	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FED TANKS	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	81	81
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Υ	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0
INC	Fuel Oil Spills and Leaks	Υ	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Υ	0	0	0
NATE	National Analysis of Trends in Emergencies System	Υ	0	0	0
NCPL	(NATES) Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Υ	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Υ	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Υ	0	0	0
NEES	National Environmental Emergencies System (NEES)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPRI	National Pollutant Release Inventory	Υ	0	0	0
OGWE	Oil and Gas Wells	Υ	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Υ	0	0	0
ORD	Orders	Υ	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	Υ	0	8	8
PINC	Pipeline Incidents	Υ	0	5	5
PRT	Private and Retail Fuel Storage Tanks	Υ	0	0	0
PTTW	Permit to Take Water	Υ	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Υ	0	0	0
RSC	Record of Site Condition	Υ	0	0	0
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Υ	0	6	6
SPL	Ontario Spills	Υ	0	7	7
SRDS	Wastewater Discharger Registration Database	Υ	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	Υ	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Υ	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Υ	0	0	0
WWIS	Water Well Information System	Υ	0	25	25
		Total:	3	166	169

## Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	CA	1117018 ONTARIO LIMITED	1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	-/0.0	0.00	<u>40</u>
1	EHS		1330 Carling Avenue Ottawa ON K1Z 7K8	-/0.0	0.00	<u>40</u>
<u>1</u> .	EHS		1330 Carling Ave Ottawa ON K1Z7K8	-/0.0	0.00	<u>40</u>

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>2</u> ·	WWIS		Ottawa ON <i>Well ID:</i> 7138932	ESE/24.5	0.00	<u>40</u>
<u>3</u>	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE/36.6	0.00	<u>46</u>
<u>3</u>	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE/36.6	0.00	<u>47</u>
<u>3</u>	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON	NE/36.6	0.00	<u>47</u>
<u>3</u>	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	<u>47</u>
<u>3</u>	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	<u>47</u>
<u>3</u>	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	<u>48</u>
<u>3</u>	GEN	Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	<u>48</u>
<u>3</u>	GEN	Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	<u>48</u>
<u>4</u>	BORE		ON	SSE/46.6	0.00	<u>49</u>
<u>5</u> *	WWIS		ON <b>Well ID:</b> 1507810	SSE/46.8	0.00	<u>50</u>
<u>6</u>	CA	OTTAWA CITY	ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	WNW/51.3	0.00	<u>52</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	wwis		ON <i>Well ID:</i> 1507809	SSE/68.9	0.00	<u>52</u>
<u>8</u>	BORE		ON	SW/69.6	0.00	<u>55</u>
9	wwis		lot 28 con 2 ON <i>Well ID:</i> 1510605	SW/69.6	0.00	<u>56</u>
<u>10</u>	BORE		ON	NNW/73.0	0.00	<u>58</u>
<u>11</u>	wwis		Ottawa ON <b>Well ID:</b> 7276789	ENE/80.7	0.00	<u>59</u>
<u>12</u>	CA	Triole Investments Limited	1316 Carling Avenue Ottawa ON K1Z 7L1	ENE/81.0	0.00	<u>62</u>
<u>12</u>	EHS		1316 Carling Ave Ottawa ON K1Z7L1	ENE/81.0	0.00	<u>62</u>
<u>12</u>	ECA	Triole Investments Limited	1316 Carling Avenue Ottawa ON K2J 4A9	ENE/81.0	0.00	<u>63</u>
<u>12</u>	GEN	Homestead Land Holdings	1316 Carling Ave Ottawa ON K1Z 7L1	ENE/81.0	0.00	<u>63</u>
<u>13</u>	wwis		Ottawa ON <b>Well ID:</b> 7282860	NNW/81.2	0.00	<u>63</u>
<u>14</u>	EHS		1316 Carling Avenue Ottawa ON K1Z 7L1	E/84.3	0.00	<u>66</u>
<u>15</u>	wwis		Ottawa ON <b>Well ID:</b> 7282861	WNW/86.4	0.00	<u>66</u>
<u>16</u>	BORE		ON	W/88.1	0.00	<u>69</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>17</u>	wwis		Ottawa ON <i>Well ID:</i> 7276790	ENE/90.5	0.00	<u>71</u>
<u>18</u>	EHS		1335 Carling Ave Ottawa ON K1Z8N8	NW/101.5	0.00	<u>74</u>
<u>19</u>	SCT	Zachary A Dental Lab Ltd.	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>74</u>
<u>19</u>	EHS		1335 Carling Ave. Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>74</u>
<u>19</u>	SCT	A. Zachary Dental Laboratory	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>74</u>
<u>19</u>	SCT	Echo Dental Lab Ltd.	1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>74</u>
19	GEN	Milident Inc.	550-1335 Carling Avenue Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>75</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>75</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>75</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>76</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>76</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>76</u>
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON	NW/101.5	0.00	<u>77</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON	NW/101.5	0.00	<u>77</u>
<u>19</u>	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>77</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>77</u>
<u>19</u>	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>78</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>78</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>78</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>79</u>
<u>19</u>	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>79</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>79</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>80</u>
<u>19</u>	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>80</u>
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>80</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>81</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>19</u>	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	<u>81</u>
<u>19</u>	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>81</u>
<u>19</u>	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	<u>82</u>
<u>20</u>	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE OTTAWA ON K1Z 7L3	NNE/105.3	0.00	<u>82</u>
<u>20</u>	GEN	Your Independant Grocer	1321 Carling Avenue Ottawa ON	NNE/105.3	0.00	<u>82</u>
<u>20</u>	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNE/105.3	0.00	<u>82</u>
<u>21</u>	wwis		OTTAWA ON <b>Well ID:</b> 7267593	NNW/109.2	0.00	<u>83</u>
<u>22</u>	BORE		ON	NNE/109.6	0.00	<u>86</u>
<u>23</u>	wwis		OTTAWA ON <b>Well ID:</b> 7267592	NNW/128.1	0.00	<u>87</u>
<u>24</u>	wwis		Ottawa ON <i>Well ID:</i> 7282862	NW/134.7	0.00	<u>90</u>
<u>25</u>	SCT	Thermal Insulation Association	1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	ENE/136.8	0.00	<u>93</u>
<u>26</u>	PINC		1282 Thames Street, Ottawa ON	SE/137.3	0.69	<u>93</u>
<u>27</u>	PINC		1270 Thames Street, Ottawa ON	ESE/141.5	0.00	<u>94</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>28</u>	wwis		OTTAWA ON <b>Well ID:</b> 7267545	N/143.7	0.00	<u>94</u>
<u>29</u>	SCT	EVERT COMMUNICATIONS LIMITED	1296 CARLING AVE OTTAWA ON K1Z 7K8	ENE/145.0	0.80	<u>97</u>
<u>29</u>	GEN	Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE/145.0	0.80	<u>98</u>
<u>29</u>	GEN	Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE/145.0	0.80	<u>98</u>
<u>30</u>	wwis		OTTAWA ON <b>Well ID:</b> 7267547	NNW/149.1	0.00	<u>98</u>
<u>31</u>	PINC		1262 Thames Street, Ottawa ON	ESE/152.9	0.00	<u>101</u>
<u>32</u>	wwis		OTTAWA ON <b>Well ID:</b> 7267591	NNE/155.4	0.00	<u>102</u>
33	SPL	TRANSPORT TRUCK	1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	WSW/157.2	1.00	<u>105</u>
<u>34</u>	PES	NATIONAL GROCERS CO. LTD. WESTGATE YOUR IND. GROCER	1321 CARLING AVENUE OTTAWA ON K1Z7L3	NNW/157.4	-1.00	<u>105</u>
<u>34</u>	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNW/157.4	-1.00	<u>105</u>
<u>35</u>	SPL	PRIVATE OWNER	IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	SSE/158.3	1.00	106
<u>36</u>	wwis		lot 33 con 1 ON <i>Well ID</i> : 1503974	WSW/161.3	1.00	<u>106</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>37</u>	EHS		1308 Thames Ottawa ON	S/167.4	1.00	<u>108</u>
38	WWIS		lot I con A ON <i>Well ID:</i> 7152275	E/180.5	1.09	109
<u>39</u>	SCT	Custom Plastics Inc.	1325 Thames St Ottawa ON K1Z 7N2	SW/185.6	1.00	<u>109</u>
<u>40</u>	wwis		Ottawa ON <b>Well ID:</b> 7194995	ESE/191.2	1.08	<u>110</u>
<u>40</u>	WWIS		OTTAWA ON <b>Well ID:</b> 7195098	ESE/191.2	1.08	<u>112</u>
41	EHS		1279 Coldrey Ave Ottawa ON K1Z7P6	SSE/193.7	1.00	114
<u>42</u>	PINC		858 Merivale Road, Ottawa ON	E/194.3	1.08	114
<u>43</u>	EHS		1303 Coldrey Ave Ottawa ON K1Z7P6	S/199.1	1.00	<u>115</u>
<u>44</u>	EHS		878 Merivale Rd Ottawa ON K1Z5Z6	ESE/201.0	0.22	<u>115</u>
<u>45</u>	BORE		ON	W/205.2	1.00	<u>115</u>
<u>46</u>	BORE		ON	W/207.9	0.69	117
<u>47</u>	SPL	GROCERY STORE	AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	NNE/211.9	0.00	<u>119</u>
<u>47</u>	PES	WESTGATE HOME HARDWARE	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	119

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>47</u>	GEN	R. WHITE (SEE & USE ON2588408)	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	<u>120</u>
<u>47</u>	GEN	SHOPPERS DRUG MART	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	<u>120</u>
<u>47</u>	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	<u>120</u>
<u>47</u>	GEN	RIOCAN HOLDINGS INC	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	<u>121</u>
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>121</u>
<u>47</u>	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	<u>121</u>
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	122
<u>47</u>	GEN	riocan management	1309 carling ave ottawa ON K1Z 7L3	NNE/211.9	0.00	122
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	122
<u>47</u>	GEN	Narmin Jalaldin Drugs Mart Limited	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	123
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	123
<u>47</u>	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z7L3	NNE/211.9	0.00	123
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>124</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>47</u>	GEN	Riocan Management	1309 Carling Ave Ottawa ON	NNE/211.9	0.00	124
<u>47</u>	GEN	Riocan Management	1309 Carling Ave Ottawa ON	NNE/211.9	0.00	124
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON	NNE/211.9	0.00	125
<u>47</u>	EHS		1309 Carling Ave Ottawa ON K1Z0A5	NNE/211.9	0.00	125
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>126</u>
<u>47</u>	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>126</u>
<u>47</u>	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>126</u>
<u>47</u>	GEN	Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	126
<u>47</u>	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	127
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	127
<u>47</u>	GEN	Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	128
<u>47</u>	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	129
<u>47</u>	GEN	Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	129

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>130</u>
<u>47</u>	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>130</u>
<u>47</u>	GEN	Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>130</u>
<u>47</u>	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>131</u>
<u>47</u>	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>131</u>
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>131</u>
<u>47</u>	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	132
<u>47</u>	GEN	Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>132</u>
<u>47</u>	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	133
<u>47</u>	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	<u>133</u>
<u>48</u>	wwis		Ottawa ON <b>Well ID:</b> 7217444	E/212.2	1.01	133
<u>49</u>	BORE		ON	NW/214.9	0.00	<u>136</u>
<u>50</u>	BORE		ON	W/216.3	0.69	138

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>51</u>	EHS		Meath Street Ottawa ON	WSW/216.3	1.00	<u>140</u>
<u>52</u>	EHS		858, 864-868 Merivale, 1246 Thames Ottawa ON	E/216.4	1.00	<u>141</u>
<u>53</u>	EHS		1255 Coldrey Avenue Ottawa ON	ESE/217.2	0.79	<u>141</u>
<u>54</u>	wwis		Ottawa ON <b>Well ID:</b> 7217443	E/217.7	1.01	141
<u>55</u>	GEN	Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE/221.5	1.20	144
<u>55</u>	GEN	Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE/221.5	1.20	144
<u>55</u>	EHS		1274 Carling Ave Ottawa ON K1Z7K8	ENE/221.5	1.20	144
<u>56</u>	EHS		1255 Carling Avenue Ottawa ON	NNE/221.8	0.00	145
<u>57</u>	wwis		ON <b>Well ID:</b> 7264815	WSW/224.4	1.00	145
<u>58</u>	wwis		OTTAWA ON <b>Well ID:</b> 7302288	WSW/229.3	1.00	145
<u>59</u>	CA	OTTAWA CITY - LEASIDE AVE. /WOODWARD DR.	MERIVALE RD./THAMES ST. OTTAWA CITY ON	E/230.2	0.92	148
<u>60</u>	SPL	SHELL CANADA PRODUCTS LTD.	900 MERIVALE RD. TANK TRUCK (CARGO) OTTAWA CITY ON K1Z 5Z8	SE/241.1	1.00	148
<u>60</u>	SPL	SHELL CANADA PRODUCTS LTD.	900 MERIVALLE ROAD SCHOOL FURNACE OIL TANK TANK TRUCK (CARGO) OTTAWA CITY ON	SE/241.1	1.00	<u>149</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>60</u>	EHS		900 Merivale Rd Ottawa ON K1Z 5Z8	SE/241.1	1.00	149
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>150</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>150</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>150</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON	SE/241.1	1.00	<u>151</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>151</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>151</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>152</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>152</u>
<u>60</u>	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	<u>152</u>
<u>61</u>	WWIS		lot 33 con 2 ON <i>Well ID:</i> 1510612	SE/243.0	1.00	<u>153</u>
<u>62</u>	PINC		853 Merivale Road, Ottawa ON	E/243.7	1.05	<u>155</u>
<u>63</u>	WWIS		OTTAWA ON	WSW/244.2	1.00	<u>155</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7302287			
<u>64</u>	SPL	Shred-It Canada Corporation Inc.	858 Meath St. Ottawa ON	SW/244.8	1.72	<u>158</u>
<u>65</u>	SPL		1311 Couldrey Ave Ottawa ON	S/246.7	1.00	<u>158</u>
<u>66</u>	GEN	1062473 ONTARIO INC	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW/247.8	1.00	<u>159</u>
<u>66</u>	GEN	1062473 ONTARIO Inc.	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW/247.8	1.00	<u>159</u>
<u>66</u>	CA	6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW/247.8	1.00	<u>159</u>
<u>66</u>	EHS		1400 Carling Avenue Ottawa ON K1Z 7L8	WSW/247.8	1.00	<u>160</u>
<u>66</u>	ECA	6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW/247.8	1.00	<u>160</u>
<u>66</u>	GEN	Embassy West Senior Living	1400 Carling Ave Ottawa ON K1Z 7L8	WSW/247.8	1.00	<u>160</u>
<u>66</u>	EHS		1400 Carling Ave Ottawa ON K1Z7L8	WSW/247.8	1.00	<u>161</u>
<u>67</u>	BORE		ON	SSW/249.3	1.69	<u>161</u>
<u>68</u>	wwis		ON WALE ASSOCIA	SSW/249.4	1.69	<u>162</u>
<u>69</u>	BORE		<b>Well ID:</b> 1508043  ON	W/249.9	1.00	164

## Executive Summary: Summary By Data Source

#### **BORE** - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 11 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address ON	<u>Direction</u> SSE	<u>Distance (m)</u> 46.64	Map Key  4
	ON	SW	69.56	8
	ON	NNW	72.97	<u>10</u>
	ON	W	88.09	<u>16</u>
	ON	NNE	109.61	<u>22</u>
	ON	W	205.22	<u>45</u>
	ON	W	207.95	<u>46</u>
	ON	NW	214.87	<u>49</u>
	ON	W	216.34	<u>50</u>
	ON	SSW	249.33	<u>67</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
	ON	W	249.89	<u>69</u>

#### **CA** - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation 1117018 ONTARIO LIMITED	Address 1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	<u>Direction</u> -	<u>Distance (m)</u> 0.00	<u>Map Key</u> <u>1</u>
OTTAWA CITY	ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	WNW	51.31	<u>6</u>
Triole Investments Limited	1316 Carling Avenue Ottawa ON K1Z 7L1	ENE	81.04	<u>12</u>
OTTAWA CITY - LEASIDE AVE. /WOODWARD DR.	MERIVALE RD./THAMES ST. OTTAWA CITY ON	Е	230.18	<u>59</u>
6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	wsw	247.81	<u>66</u>

#### **ECA** - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Dec 31, 2019 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<b>Equal/Higher Elevation</b>	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
Triole Investments Limited	1316 Carling Avenue Ottawa ON K2J 4A9	ENE	81.04	12
6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW	247.81	<u>66</u>

#### **EHS** - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2019 has found that there are 19 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address 1330 Carling Ave Ottawa ON K1Z7K8	<u>Direction</u>	Distance (m) 0.00	Map Key 1
	1330 Carling Avenue Ottawa ON K1Z 7K8	-	0.00	1
	1316 Carling Ave Ottawa ON K1Z7L1	ENE	81.04	<u>12</u>
	1316 Carling Avenue Ottawa ON K1Z 7L1	E	84.31	<u>14</u>
	1335 Carling Ave Ottawa ON K1Z8N8	NW	101.49	<u>18</u>
	1335 Carling Ave. Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
	1308 Thames Ottawa ON	S	167.41	<u>37</u>
	1279 Coldrey Ave Ottawa ON K1Z7P6	SSE	193.65	<u>41</u>
	1303 Coldrey Ave Ottawa ON K1Z7P6	S	199.14	<u>43</u>
	878 Merivale Rd Ottawa ON K1Z5Z6	ESE	201.02	<u>44</u>
	1309 Carling Ave Ottawa ON K1Z0A5	NNE	211.89	<u>47</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
	Meath Street Ottawa ON	WSW	216.35	<u>51</u>
	858, 864-868 Merivale, 1246 Thames Ottawa ON	E	216.43	<u>52</u>
	1255 Coldrey Avenue Ottawa ON	ESE	217.19	<u>53</u>
	1274 Carling Ave Ottawa ON K1Z7K8	ENE	221.53	<u>55</u>
	1255 Carling Avenue Ottawa ON	NNE	221.77	<u>56</u>
	900 Merivale Rd Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
	1400 Carling Ave Ottawa ON K1Z7L8	wsw	247.81	<u>66</u>
	1400 Carling Avenue Ottawa ON K1Z 7L8	WSW	247.81	<u>66</u>

#### **GEN** - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2019 has found that there are 81 GEN site(s) within approximately 0.25 kilometers of the project property.

<b>Equal/Higher Elevation</b>	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE	36.64	<u>3</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Homestead Land Holdings	1316 Carling Ave Ottawa ON K1Z 7L1	ENE	81.04	<u>12</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>

<b>Equal/Higher Elevation</b>	<u>Address</u>	<b>Direction</b>	Distance (m)	<u>Map Key</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON	NW	101.51	<u>19</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Milident Inc.	550-1335 Carling Avenue Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Your Independant Grocer	1321 Carling Avenue Ottawa ON	NNE	105.25	<u>20</u>
Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE	145.00	<u>29</u>
Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE	145.00	<u>29</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>

<b>Equal/Higher Elevation</b>	<u>Address</u>	<b>Direction</b>	Distance (m)	<u>Map Key</u>
riocan management	1309 carling ave ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Narmin Jalaldin Drugs Mart Limited	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan Management	1309 Carling Ave Ottawa ON	NNE	211.89	<u>47</u>
Riocan Management	1309 Carling Ave Ottawa ON	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>

<b>Equal/Higher Elevation</b>	<u>Address</u>	<b>Direction</b>	Distance (m)	Map Key
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
R. WHITE (SEE & USE ON2588408)	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
SHOPPERS DRUG MART	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
RIOCAN HOLDINGS INC	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE	221.53	<u>55</u>
Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE	221.53	<u>55</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
1062473 ONTARIO INC	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW	247.81	<u>66</u>
1062473 ONTARIO Inc.	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW	247.81	<u>66</u>
Embassy West Senior Living	1400 Carling Ave Ottawa ON K1Z 7L8	WSW	247.81	<u>66</u>

# PES - Pesticide Register

A search of the PES database, dated 1988-Dec 2019 has found that there are 8 PES site(s) within approximately 0.25 kilometers of the project property.

<b>Equal/Higher Elevation</b>	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE OTTAWA ON K1Z 7L3	NNE	105.25	<u>20</u>
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNE	105.25	<u>20</u>
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
WESTGATE HOME HARDWARE	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z7L3	NNE	211.89	<u>47</u>
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNW	157.40	<u>34</u>
NATIONAL GROCERS CO. LTD. /WESTGATE YOUR IND. GROCER	1321 CARLING AVENUE OTTAWA ON K1Z7L3	NNW	157.40	<u>34</u>

## **PINC** - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 5 PINC site(s) within approximately 0.25 kilometers of the project property.

<b>Equal/Higher Elevation</b>	<u>Address</u>	<b>Direction</b>	Distance (m)	<u>Map Key</u>
	1282 Thames Street, Ottawa ON	SE	137.30	<u>26</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	1270 Thames Street, Ottawa ON	ESE	141.48	<u>27</u>
	1262 Thames Street, Ottawa ON	ESE	152.94	<u>31</u>
	858 Merivale Road, Ottawa ON	Е	194.32	<u>42</u>
	853 Merivale Road, Ottawa ON	Е	243.66	<u>62</u>

# **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.

Equal/Higher Elevation  Zachary A Dental Lab Ltd.	Address 1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	<u>Direction</u> NW	<b>Distance (m)</b> 101.51	<u>Map Key</u> <u>19</u>
A. Zachary Dental Laboratory	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Echo Dental Lab Ltd.	1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Thermal Insulation Association	1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	ENE	136.77	<u>25</u>
EVERT COMMUNICATIONS LIMITED	1296 CARLING AVE OTTAWA ON K1Z 7K8	ENE	145.00	<u>29</u>
Custom Plastics Inc.	1325 Thames St Ottawa ON K1Z 7N2	sw	185.62	<u>39</u>

## SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2019 has found that there are 7 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
TRANSPORT TRUCK	1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	WSW	157.17	<u>33</u>
PRIVATE OWNER	IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	SSE	158.25	<u>35</u>
GROCERY STORE	AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	NNE	211.89	<u>47</u>
SHELL CANADA PRODUCTS LTD.	900 MERIVALLE ROAD SCHOOL FURNACE OIL TANK TANK TRUCK (CARGO) OTTAWA CITY ON	SE	241.14	<u>60</u>
SHELL CANADA PRODUCTS LTD.	900 MERIVALE RD. TANK TRUCK (CARGO) OTTAWA CITY ON K1Z 5Z8	SE	241.14	<u>60</u>
Shred-It Canada Corporation Inc.	858 Meath St. Ottawa ON	sw	244.82	<u>64</u>
	1311 Couldrey Ave Ottawa ON	S	246.71	<u>65</u>

## **WWIS** - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 25 WWIS site(s) within approximately 0.25 kilometers of the project property.

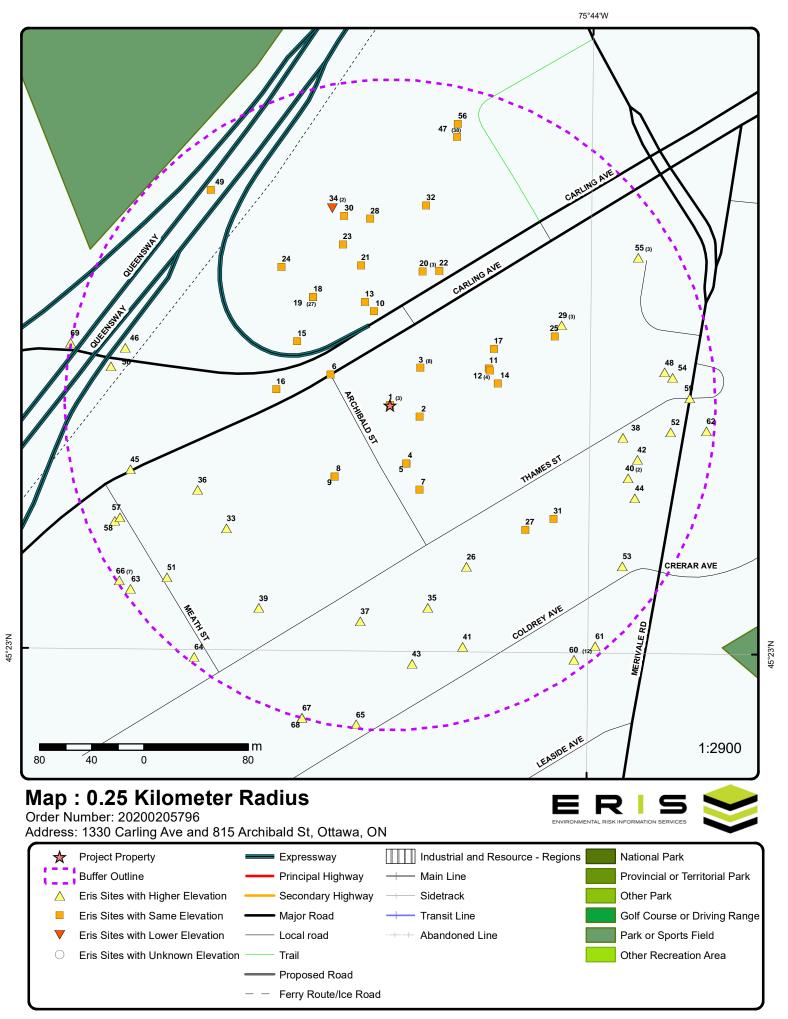
Equal/Higher Elevation	<u>Address</u>	<b>Direction</b>	Distance (m)	Map Key
	Ottawa ON <i>Well ID:</i> 7138932	ESE	24.51	<u>2</u>
	ON	SSE	46.81	<u>5</u>

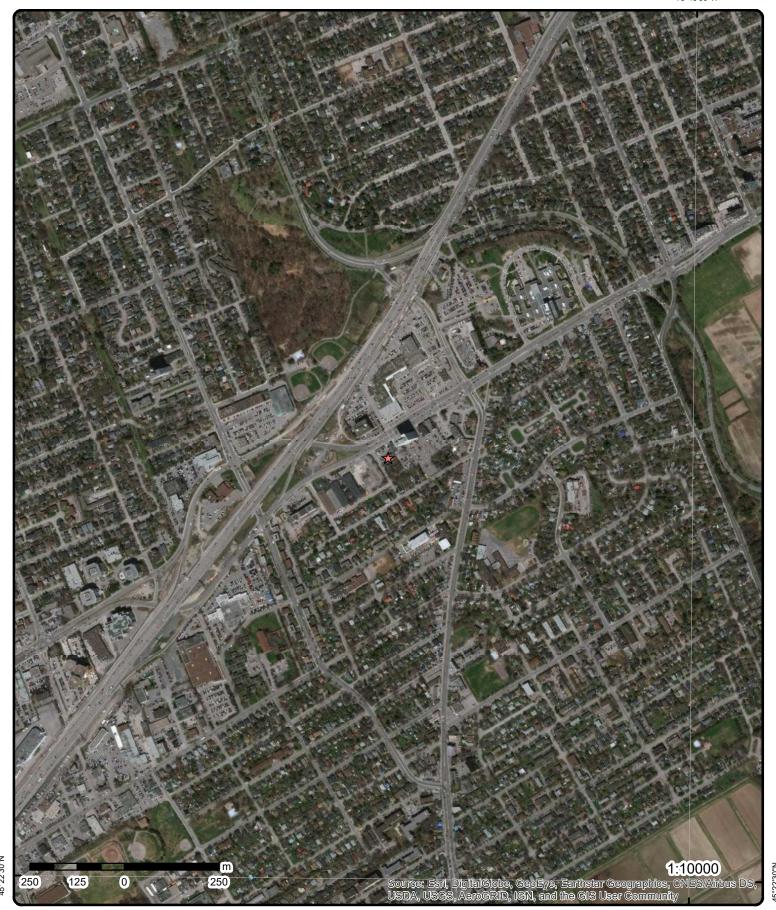
Equal/Higher Elevation	Address Well ID: 1507810	<u>Direction</u>	Distance (m)	Map Key
	ON <i>Well ID:</i> 1507809	SSE	68.88	7
	lot 28 con 2 ON <i>Well ID:</i> 1510605	SW	69.64	<u>9</u>
	Ottawa ON <b>Well ID:</b> 7276789	ENE	80.71	<u>11</u>
	Ottawa ON <b>Well ID:</b> 7282860	NNW	81.19	<u>13</u>
	Ottawa ON <b>Well ID:</b> 7282861	WNW	86.41	<u>15</u>
	Ottawa ON	ENE	90.54	<u>17</u>
	<b>Well ID:</b> 7276790  OTTAWA ON	NNW	109.17	<u>21</u>
	<b>Well ID:</b> 7267593  OTTAWA ON	NNW	128.11	<u>23</u>
	<b>Well ID:</b> 7267592 Ottawa ON	NW	134.69	<u>24</u>
	<b>Well ID:</b> 7282862  OTTAWA ON	N	143.69	<u>28</u>
	<b>Well ID:</b> 7267545	NNW	149.10	<u>30</u>
	OTTAWA ON <b>Well ID:</b> 7267547			_

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	OTTAWA ON	NNE	155.37	<u>32</u>
	<b>Well ID:</b> 7267591			
	lot 33 con 1 ON	wsw	161.29	<u>36</u>
	<b>Well ID:</b> 1503974			
	lot I con A ON	Е	180.50	<u>38</u>
	Well ID: 7152275			
	OTTAWA ON	ESE	191.17	<u>40</u>
	<b>Well ID:</b> 7195098			
	Ottawa ON	ESE	191.17	<u>40</u>
	<b>Well ID:</b> 7194995			
	Ottawa ON	E	212.21	<u>48</u>
	<b>Well ID:</b> 7217444			
	Ottawa ON	Е	217.75	<u>54</u>
	<b>Well ID</b> : 7217443			
	ON	WSW	224.44	<u>57</u>
	<b>Well ID:</b> 7264815			
	OTTAWA ON	wsw	229.29	<u>58</u>
	Well ID: 7302288			
	lot 33 con 2 ON	SE	243.02	<u>61</u>
	Well ID: 1510612			
	OTTAWA ON	WSW	244.17	<u>63</u>
	<b>Well ID:</b> 7302287			
	ON	ssw	249.45	<u>68</u>

<u>Equal/Higher Elevation</u> <u>Address</u> <u>Direction</u> <u>Distance (m)</u> <u>Map Key</u>

Well ID: 1508043





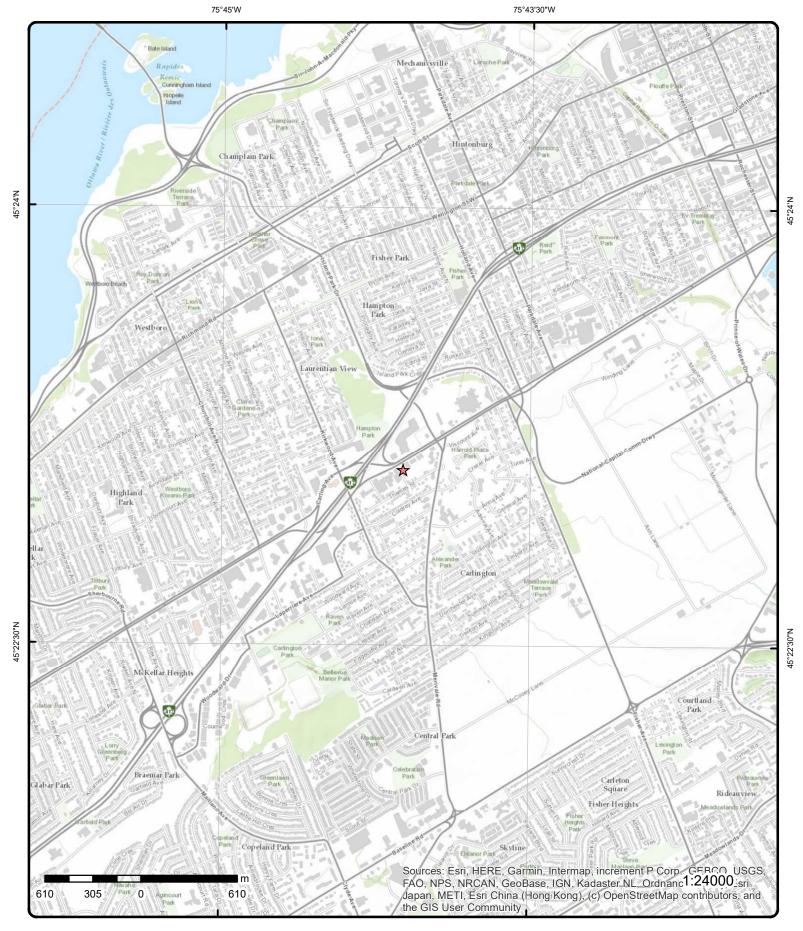
Aerial Year: 2019

Address: 1330 Carling Ave and 815 Archibald St, Ottawa, ON

Source: ESRI World Imagery

Order Number: 20200205796





# Topographic Map

Address: 1330 Carling Ave and 815 Archibald St, ON

Source: ESRI World Topographic Map

Order Number: 20200205796



© ERIS Information Limited Partnership

# **Detail Report**

Мар Кеу	Number Records		Elev/Diff (m)	Site		DB
1	1 of 3	-/0.0	72.9 / 0.00	1117018 ONTARIO LIII 1330 CARLING AVENI OTTAWA CITY ON K1	UE (SWM)	CA
Certificate #: Application N Issue Date: Approval Tyl Status: Application N Client Name: Client Addre Client City: Client Postal Project Desc Contaminant Emission Co	Year:  pe: Type: : ss: I Code: cription:	3-0579-97- 97 6/24/1997 Municipal sewage Approved				
1	2 of 3	-/0.0	72.9 / 0.00	1330 Carling Avenue Ottawa ON K1Z 7K8		EHS
Order No: Status: Report Type Report Date Date Receiv Previous Sit Lot/Building	: red: te Name:	20080624004 C Custom Report 7/4/2008 6/24/2008		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON 0.25 -75.735442 45.385291	
Additional In		Fire Insur. Maps Ar	nd /or Site Plans			
1	3 of 3	-/0.0	72.9 / 0.00	1330 Carling Ave Ottawa ON K1Z7K8		EHS
Order No: Status: Report Type Report Date Date Receiv Previous Sit Lot/Building Additional In	: ed: te Name: y Size:	20140616018 C Standard Report 24-JUN-14 16-JUN-14 Shell Gas Station 0.49 acres		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	Ottawa ON .25 -75.735434 45.38516	
<u>2</u>	1 of 1	ESE/24.5	72.9 / 0.00	Ottawa ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well St	er Use: Ise:	7138932 Monitoring Test Hole		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1/28/2010 Yes	

Water Type: Casing Material:

**Audit No:** M05542 **Tag:** A090600

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate:

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

Contractor: 1844 Form Version: 5

Owner:

Street Name: THAMES ST

County: OTTAWA-CARLETON Municipality: OTTAWA CITY

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

**UTMRC**:

UTM Reliability:

#### **Bore Hole Information**

**Bore Hole ID:** 1002931421

DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
N
Cluster Kind:

**Date Completed:** 11/30/2009

Remarks: Elevrc Desc:

Location Source Date:

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

## Overburden and Bedrock

Materials Interval

**Formation ID:** 1003262879

Layer: 5 Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 28 Other Materials: SAND Mat3: 84 Other Materials: SILTY Formation Top Depth: 3.6 Formation End Depth: 6.1 Formation End Depth UOM: m

## Overburden and Bedrock

**Materials Interval** 

Formation ID: 1003262875

Layer: 1

Color:

General Color:

Mat1:

Most Common Material:

Mat2:

Other Materials:

Mat3:

**Elevation:** 73.50962

 Elevrc:

 Zone:
 18

 East83:
 442461

 North83:
 5025978

 Org CS:
 UTM83

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 20200205796

Location Method: wv

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

Other Materials:

Formation Top Depth: 0
Formation End Depth: 0.1
Formation End Depth UOM: m

# Overburden and Bedrock

Materials Interval

**Formation ID:** 1003262878

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 84

 Other Materials:
 SILTY

Mat3:

Other Materials:

Formation Top Depth: 1.5
Formation End Depth: 3.6
Formation End Depth UOM: m

#### Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1003262876

**Layer:** 2 **Color:** 6

General Color: **BROWN** Mat1: 28 SAND Most Common Material: Mat2: 11 **GRAVEL** Other Materials: Mat3: 66 Other Materials: **DENSE** Formation Top Depth: 0.1 Formation End Depth: 0.9

## Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

**Formation ID:** 1003262877

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:84Other Materials:SILTYFormation Top Depth:0.9Formation End Depth:1.5Formation End Depth UOM:m

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1003262881

Layer: 1 Plug From: 0

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

Plug To: 3
Plug Depth UOM: m

Mathadat Canaturation 8 Mall

<u>Method of Construction & Well</u> <u>Use</u>

\_\_\_\_

Method Construction ID:
Method Construction Code:
Method Construction:
H.S.A.
Other Method Construction:

Other Method Constituction.

Pipe Information

**Pipe ID:** 1003262874

Casing No:

Comment: Alt Name:

Construction Record - Casing

**Casing ID:** 1003262882

Layer: 1
Material: 5

Open Hole or Material: PLASTIC

Depth From: 0

Depth Tom.
6.1
Casing Diameter: 5.1
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

**Screen ID:** 1003262883

**Layer:** 1 **Slot:** 10

Screen Top Depth:

Screen End Depth:

Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.8

Hole Diameter

**Hole ID:** 1003262880

 Diameter:
 20

 Depth From:
 0

 Depth To:
 6.1

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

**Bore Hole Information** 

**Bore Hole ID:** 1003262856 **Elevation:** 75.076675

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 442562

 Code OB Desc:
 North83:
 5025940

 Open Hole:
 Org CS:
 UTM83

Cluster Kind: This is a record from cluster log sheet UTMRC: 4

Date Completed: 11/30/2009 UTMRC Desc: margin of error : 30 m - 100 m

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

Location Method:

wwr

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003262860

Layer: Plug From: Plug To:

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code: Method Construction:** 

HSA **Other Method Construction:** 

Pipe Information

Pipe ID: 1003262861

Casing No: Comment: Alt Name:

**Construction Record - Casing** 

Casing ID: 1003262863

Layer:

Material:

**PLASTIC** Open Hole or Material:

Depth From:

Depth To: 3

Casing Diameter: Casing Diameter UOM:

Casing Depth UOM: m

**Construction Record - Screen** 

Screen ID: 1003262862

Layer: Slot:

Screen Top Depth: 3 6.1 Screen End Depth:

Screen Material:

Screen Depth UOM: m

Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003262864

Pump Set At: Static Level:

erisinfo.com | Environmental Risk Information Services

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

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

wwr

442325

UTM83

5025798

margin of error: 30 m - 100 m

Order No: 20200205796

Final Level After Pumping:

Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: Rate UOM:

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

**Hole Diameter** 

Hole ID: 1003262858

Diameter: 20

Depth From:

Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

**Bore Hole Information** 

**Bore Hole ID:** 1003262865 **Elevation:** 74.362289

DP2BR: Elevrc: Spatial Status: Zone:

Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind: This is a record from cluster log sheet

Date Completed: 12/1/2009

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1003262869

Layer: Plug From: Plug To: Plug Depth UOM:

rug Depar Com.

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code: Method Construction:

Other Method Construction: HSA

Pipe Information

**Pipe ID:** 1003262870

Casing No:

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

Comment: Alt Name:

#### **Construction Record - Casing**

**Casing ID:** 1003262872

Layer:

Material:

Open Hole or Material: PLASTIC

Depth From:

Depth To: 2

Casing Diameter: Casing Diameter UOM: Casing Depth UOM:

**ИОМ**: m

#### Construction Record - Screen

**Screen ID:** 1003262871

Layer: Slot:

Screen Top Depth: 2 Screen End Depth: 5.1

Screen Material: Screen Depth UOM: m

Screen Diameter UOM: Screen Diameter:

#### Results of Well Yield Testing

**Pump Test ID:** 1003262873

Pump Set At: Static Level:

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: Rate UOM:

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

## Hole Diameter

Hole ID: 1003262867

Diameter: 20

Depth From:

Depth To: 5.1
Hole Depth UOM: m
Hole Diameter UOM: cm

3 1 of 8 NE/36.6 72.9 / 0.00 Ontario Addiction Treatment Centre 1318 Carling Avenue

Ottawa ON K1Z 7K8

Generator No: ON4615739 PO Box No: Status: Country:

Approval Years: 2011 Choice of Contact:

Map Key	Numb Recor		Direction/ Distance (m	Elev/Diff n) (m)	Site		DB
Contam. Facil MHSW Facil SIC Code: SIC Descrip	lity:	621420			Co Admin: Phone No Admin:		
<u>3</u>	2 of 8		NE/36.6	72.9 / 0.00	Ontario Addiction Ti 1318 Carling Avenue Ottawa ON K1Z 7K8	e	GEN
Generator N	lo:	ON46157	'39		PO Box No:		
Status: Approval Ye		2012			Country: Choice of Contact:		
Contam. Facili MHSW Facil		604.400			Co Admin: Phone No Admin:		
SIC Code: SIC Descrip	tion:	621420	Out-Patient Men	tal Health and Subst	ance Abuse Centres		
<u>3</u>	3 of 8		NE/36.6	72.9 / 0.00	Ontario Addiction To 1318 Carling Avenue Ottawa ON		GEN
Generator N Status:	lo:	ON46157	'39		PO Box No:		
Approval Ye		2013			Country: Choice of Contact:		
Contam. Fac MHSW Facil					Co Admin: Phone No Admin:		
SIC Code: SIC Descrip	tion:	621420	OUT-PATIENT N	MENTAL HEALTH A	ND SUBSTANCE ABUSE (	CENTRES	
Detail(s)							
Waste Class Waste Class			312 PATHOLOGICAI	L WASTES			
<u>3</u>	4 of 8		NE/36.6	72.9 / 0.00	Ontario Addiction To 1318 Carling Avenue Ottawa ON K1Z7K8		GEN
Generator N	lo:	ON46157	'39		PO Box No:		
Status: Approval Ye Contam. Facil	cility:	2016 No No			Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL Rhonda Daiter 4168166110 Ext.	
SIC Code: SIC Descrip	tion:	621420	OUT-PATIENT N	MENTAL HEALTH A	ND SUBSTANCE ABUSE (	CENTRES	
Detail(s)							
Waste Class Waste Class			312 PATHOLOGICAI	L WASTES			
<u>3</u>	5 of 8		NE/36.6	72.9 / 0.00	Ontario Addiction Ti 1318 Carling Avenue Ottawa ON K1Z7K8		GEN
Generator N	lo:	ON46157	'39		PO Box No:	Canada	
Status: Approval Ye		2015			Country: Choice of Contact:	Canada CO_OFFICIAL	
Contam. Facili MHSW Facil		No No			Co Admin: Phone No Admin:	Rhonda Daiter 4168166110 Ext.	
SIC Code:	-	621420					

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

SIC Description: OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

3 6 of 8 NE/36.6 72.9 / 0.00 Ontario Addiction Treatment Centre

1318 Carling Avenue Ottawa ON K1Z7K8

Canada

Order No: 20200205796

Generator No: ON4615739 PO Box No:

Status: Country:

Approval Years:2014Choice of Contact:CO\_OFFICIALContam. Facility:NoCo Admin:Rhonda DaiterMHSW Facility:NoPhone No Admin:4168166110 Ext.

**SIC Code:** 621420

SIC Description: OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

3 7 of 8 NE/36.6 72.9 / 0.00 Canadian Addiction Treatment Clinics LP GEN 1318 Carling Avenue

Ottawa ON K1Z7K8

Generator No: ON4615739 PO Box No:

Status: Registered Country: Canada
Approval Years: As of Dec 2018 Choice of Contact:

Contam. Facility: MHSW Facility: SIC Code: SIC Description: Co Admin: Phone No Admin:

Detail(s)

Waste Class: 312 P

Waste Class Desc: Pathological wastes

3 8 of 8 NE/36.6 72.9 / 0.00 Canadian Addiction Treatment Clinics LP GEN 1318 Carling Avenue

Ottawa ON K1Z7K8

Generator No:ON4615739PO Box No:Status:RegisteredCountry:Canada

Approval Years: As of Oct 2019 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:
SIC Code:

Detail(s)

SIC Description:

Waste Class: 312 P

Waste Class Desc: Pathological wastes

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

4 1 of 1 SSE/46.6 72.9 / 0.00 ON BORE

 Borehole ID:
 612912
 Inclin FLG:
 No

 OGF ID:
 215514218
 SP Status:
 Initial Entry

OGF ID: Status:

Status:Surv Elev:NoType:BoreholePiezometer:No

Vse: Primary Name:
Completion Date: MAY-1950 Municipality:
Static Water Level: Lot:
Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.38463

 Total Depth m:
 6.7
 Longitude DD:
 -75.735115

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 442451

 Drill Method:
 Northing:
 5025942

Orig Ground Elev m: 76.2 Location Accuracy: Elev Reliabil Note: Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 73.6

Concession: Location D: Survey D: Comments:

## **Borehole Geology Stratum**

Geology Stratum ID: 218392946 Mat Consistency: Top Depth: 0 Material Moisture: **Bottom Depth:** 1.2 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.

Geology Stratum ID: 218392947 Mat Consistency: Stiff

Top Depth: 1.2 Material Moisture: **Bottom Depth:** 6.7 Material Texture: Material Color: Brown Non Geo Mat Type: Geologic Formation: Material 1: Gravel Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: GRAVEL. 00022AL. BROWN, STIFF. CLAY. GREY, BROWN, STIFF TO VERY STIFF, WEATHERED. CLAY.

GREY,S \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Order No: 20200205796

#### <u>Source</u>

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 05420 NTS\_Sheet:

Confiden 1:

Source List

Source Identifier: 1 Horizontal Datum: NAD27

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

Vertical Datum:

**Projection Name:** 

Mean Average Sea Level

3725

1

18

Order No: 20200205796

Universal Transverse Mercator

Source Type: Data Survey Source Date: 1956-1972

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

5 1 of 1 SSE/46.8 72.9 / 0.00 WWIS

Well ID: 1507810 Data Entry Status:

Construction Date: Data Entry Status.

 Primary Water Use:
 Domestic
 Date Received:
 8/8/1951

 Sec. Water Use:
 0
 Selected Flag:
 Yes

 Final Well Status:
 Water Supply
 Abandonment Rec:

Final Well Status: Water Supply Abandonment Rec:
Water Type: Contractor:

Casing Material: Form Version:
Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA-CARLETON

Elevation (m): Municipality: OTTAWA CITY

Elevation Reliability: Site Info:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Static Water Level:

Lot:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

Static Water Level: Northing N Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

**Bore Hole Information** 

**Bore Hole ID:** 10029845 **Elevation:** 73.554824

DP2BR: Elevrc: Spatial Status: Zone:

 Code OB:
 0
 East83:
 442450.7

 Code OB Desc:
 Overburden
 North83:
 5025942

Open Hole: Org CS:
Cluster Kind: 9

Date Completed: 5/15/1950 UTMRC Desc: unknown UTM

Remarks: Location Method: p9
Elevrc Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

**Formation ID:** 931008085

Layer: 1
Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Other Materials:

Mat3: Other Materials:

Formation End Depth: 0
Formation End Depth: 4

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

Formation End Depth UOM:

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931008086

Layer:

Color: General Color:

Mat1: Most Common Material: **GRAVEL** 

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 4 Formation End Depth: 22 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

**Method Construction ID:** 

**Method Construction Code:** 

**Method Construction:** Cable Tool

**Other Method Construction:** 

Pipe Information

Pipe ID: 10578415

Casing No:

Comment: Alt Name:

**Construction Record - Casing** 

Casing ID: 930052354

Layer: Material:

Open Hole or Material: STEEL

Depth From:

22 Depth To: Casing Diameter: inch Casing Diameter UOM: Casing Depth UOM: ft

Results of Well Yield Testing

991507810 Pump Test ID:

Pump Set At:

2 Static Level: 3 Final Level After Pumping:

Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 1 Water State After Test: **CLEAR** 

Pumping Test Method: **Pumping Duration HR:** 

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

**Pumping Duration MIN:** 

Flowing: N

Water Details

*Water ID:* 933462072

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 22
Water Found Depth UOM: ft

6 1 of 1 WNW/51.3 72.9 / 0.00 OTTAWA CITY

ARCHIBALD ST./CARLING AVE.

CA

**WWIS** 

Order No: 20200205796

OTTAWA CITY ON

Certificate #: 3-0892-96Application Year: 96
Issue Date: 10/2/1996
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

**Emission Control:** 

Construction Date:

Primary Water Use:

Sec. Water Use:

Water Type:

Audit No:

Tag:

Final Well Status:

Casing Material:

Elevation (m):

Well Depth:

Pump Rate:

Flow Rate: Clear/Cloudy:

Flowing (Y/N):

**Construction Method:** 

Elevation Reliability:

Overburden/Bedrock:

Depth to Bedrock:

Static Water Level:

7

Well ID:

1 of 1 SSE/68.9 72.9 / 0.00

1507809

Domestic

Water Supply

ON

Data Entry Status:

Data Src: 1
Date Received: 8/8/1951

Selected Flag: Yes

Abandonment Rec:

Contractor: 3725 Form Version: 1

Owner: Street Name:

County: OTTAWA-CARLETON Municipality: OTTAWA CITY

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

**Bore Hole Information** 

**Bore Hole ID:** 10029844 **Elevation:** 73.600891

DP2BR: 20 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 442460.7

 Code OB Desc:
 Bedrock
 North83:
 5025922

Open Hole: Org CS:

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

UTMRC:

**UTMRC Desc:** 

Location Method:

unknown UTM

Order No: 20200205796

p9

Cluster Kind: Date Completed:

7/15/1950

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

## Overburden and Bedrock

**Materials Interval** 

Formation ID: 931008082

Layer:

Color:

General Color:

05 Mat1:

Most Common Material: CLAY

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0 Formation End Depth: 4 Formation End Depth UOM: ft

#### Overburden and Bedrock

Materials Interval

931008084 Formation ID:

3 Layer: Color: 3 **BLUE** General Color: 17 Mat1: SHALE Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 20 Formation End Depth: 36 Formation End Depth UOM:

#### Overburden and Bedrock

**Materials Interval** 

Formation ID: 931008083

Layer: 2

Color:

General Color:

11 Mat1: Most Common Material:

**GRAVEL** 

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 4 20 Formation End Depth: Formation End Depth UOM: ft

## Method of Construction & Well

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

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

**Pipe ID:** 10578414

Casing No:

Comment: Alt Name:

**Construction Record - Casing** 

**Casing ID:** 930052352

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

Construction Record - Casing

**Casing ID:** 930052353

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 36
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

**Pump Test ID:** 991507809

Pump Set At:

Static Level: 5
Final Level After Pumping: 8

Recommended Pump Depth: Pumping Rate:

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR:

Pumping Duration MIN:

Flowing: N

Water Details

*Water ID:* 933462071

Layer: 1
Kind Code: 1

Number of Direction/ Elev/Diff Site DΒ Map Key

> Records Distance (m)

**FRESH** Kind: Water Found Depth: 32 Water Found Depth UOM: ft

1 of 1 SW/69.6 72.9 / 0.00 8 **BORE** ON

45.384535

Order No: 20200205796

612909 Borehole ID: Inclin FLG: No

OGF ID: 215514215 SP Status: Initial Entry

(m)

Status: Surv Elev: No

Type: Borehole Piezometer: No Use: Primary Name:

Completion Date: JUL-1948 Municipality: Static Water Level: Lot:

Primary Water Use: Township: Sec. Water Use: Latitude DD:

Total Depth m: 12.5 Longitude DD: -75.735816 UTM Zone: Depth Ref: **Ground Surface** 18

Depth Elev: 442396 Easting: 5025932

Drill Method: Northing: Oria Ground Elev m: 76.2 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable DEM Ground Elev m: 74.3

Concession: Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 218392935 Mat Consistency: Top Depth: Material Moisture: 0

**Bottom Depth:** 6.1 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.

Geology Stratum ID: 218392936 Mat Consistency: Hard Material Moisture: Top Depth: 6.1 Bottom Depth: 12.5 Material Texture: Material Color: Grey Non Geo Mat Type:

Material 1: Gravel Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

GRAVEL. 0004100117RY STIFF TO VERY HARD, FISSURED. CLAY. GREY, SOFT, STIFF, FISSURED. 00000 Stratum Description:

\*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

<u>Source</u>

**Data Survey** Spatial/Tabular Source Type: Source Appl:

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies Confidence: Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA2.txt RecordID: 05417 NTS\_Sheet: Confiden 1:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

9 1 of 1 SW/69.6 72.9 / 0.00 lot 28 con 2 WWIS

Well ID: 1510605 Data Entry Status:

 Construction Date:
 Data Src:
 1

 Primary Water Use:
 Domestic
 Date Received:
 1/5/1950

 Sec. Water Use:
 0
 Selected Flag:
 Yes

Final Well Status: Water Supply

Abandonment Rec:
Water Type: Contractor: 3725

Water Type: Contractor: 3/2
Casing Material: Form Version: 1
Audit No: Owner:

Tag: Street Name:

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:OTTAWA CITY (NEPEAN)Elevation Reliability:Site Info:

 Depth to Bedrock:
 Lot:
 028

 Well Depth:
 Concession:
 02

Overburden/Bedrock: Concession Name: OF Pump Rate: Easting NAD83:

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:** 10032631 **Elevation:** 74.313385

DP2BR: Elevrc:
Spatial Status: Zone: 18

 Code OB:
 0
 East83:
 442395.7

 Code OB Desc:
 Overburden
 North83:
 5025932

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

 Date Completed:
 7/18/1948

 UTMRC Desc:
 unknown UTM

Order No: 20200205796

Remarks: Location Method: p9

Elevrc Desc:
Location Source Date:

Overburden and Bedrock

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

Materials Interval

**Formation ID:** 931015351

Layer: 2

Color: General Color:

**Mat1:** 11

Most Common Material: GRAVEL

Mat2:

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

Other Materials:

Mat3:

Other Materials:

20 Formation Top Depth: Formation End Depth: 41 ft Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931015350 Formation ID:

Layer:

Color:

General Color:

Mat1: 05 CLAY Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

0 Formation Top Depth: Formation End Depth: 20 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

**Method Construction ID:** 

**Method Construction Code:** 

**Method Construction:** Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10581201

Casing No:

Comment: Alt Name:

**Construction Record - Casing** 

Casing ID: 930057838

Layer: Material:

Open Hole or Material: STEEL Depth From: 20 Depth To: Casing Diameter: Casing Diameter UOM: inch

Construction Record - Casing

Casing ID: 930057839

ft

Layer:

Material: Open Hole or Material:

Casing Depth UOM:

Depth From:

41 Depth To: Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM:

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

Results of Well Yield Testing

Pump Test ID: 991510605

Pump Set At:

Static Level:

0 Final Level After Pumping: Recommended Pump Depth: Pumping Rate: 5 Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: **Pumping Duration MIN:** 0 Flowing:

Water Details

Water ID: 933465631 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 41 Water Found Depth UOM: ft

1 of 1 NNW/73.0 72.9 / 0.00 10 **BORE** ON

Inclin FLG:

SP Status:

Surv Elev:

Piezometer:

Primary Name:

Municipality:

Township:

UTM Zone:

Easting:

Northing:

Accuracy:

Latitude DD:

Longitude DD:

Location Accuracy:

Lot:

No

No

No

18

**LOT 33** 

**NEPEAN** 

45.38568

442426

5026059

Within 20 metres

-75.735444

Initial Entry

Borehole ID: 848116 OGF ID: 215589764 Status: Decommissioned

Type: Borehole

Geotechnical/Geological Investigation Use:

Completion Date: 11-APR-1975

Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m:

15.3

**Ground Surface** Depth Ref:

Depth Elev:

Drill Method: Diamond Drill

Orig Ground Elev m: 73.8 Elev Reliabil Note:

74.6 DEM Ground Elev m:

CON 1 ON OTTAWA RIVER Concession:

Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 6560010 Top Depth: 0 **Bottom Depth:** .2 Material Color:

Material 1: Asphalt

Material 2: Material 3: Mat Consistency: Material Moisture: Material Texture:

Non Geo Mat Type: Asphalt

Geologic Formation: Geologic Group: Geologic Period:

Elev/Diff Site DΒ Map Key Number of Direction/

Records Distance (m) (m)

Material 4: Depositional Gen:

Stratum Description: ASPHALT \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560011 Mat Consistency: Material Moisture: Top Depth: .2 Bottom Depth: 1.1 Material Texture:

Material Color: Non Geo Mat Type: Fill-Misc

Material 1: Fill Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Gsc Material Description:

FILL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field. Stratum Description:

6560014 Geology Stratum ID: Mat Consistency: Top Depth: 9.3 Material Moisture:

**Bottom Depth:** 12.2 Material Texture: Fine to Medium

Material Color:

Non Geo Mat Type: Material 1: **Bedrock** Geologic Formation: Limestone Material 2: Geologic Group: Material 3: Shale Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

VERY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK WITH MANY SHALE BANDS AND LAMINAE Stratum Description:

\*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560015 Mat Consistency: Top Depth: 12.2 Material Moisture:

**Bottom Depth:** 15.3 Material Texture: Fine to Medium

Material Color:

Non Geo Mat Type: Material 1: Bedrock Geologic Formation: Material 2: Limestone Geologic Group: Material 3: Shale Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: FAIRLY SOUND VERY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, MANY SHALE BANDS AND

LAMINAE \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

6560012 Geology Stratum ID: Mat Consistency: Top Depth: 1.1 Material Moisture: **Bottom Depth:** 2.6 Material Texture: Material Color: Brown Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: BROWN SILTY CLAY \*\*Note: Many records provided by the department have a truncated [Stratum Description]

field.

6560013 Geology Stratum ID: Mat Consistency: Top Depth: 2.6 Material Moisture: **Bottom Depth:** 9.3 Material Texture: Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

Stratum Description: TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

11 1 of 1 ENE/80.7 72.9 / 0.00 **WWIS** Ottawa ON

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

Well ID: 7276789

Construction Date:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type: Casing Material:

Audit No: Z238023 A191035 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:

12/12/2016 Date Received: Selected Flag: Yes

Abandonment Rec:

7241 Contractor: Form Version:

Owner:

Street Name: 1316 CARLING AVE County: OTTAWA-CARLETON Municipality: NEPEAN TOWNSHIP Site Info:

Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

#### **Bore Hole Information**

1006305095 Bore Hole ID:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 11/17/2016

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

73.069335 Elevation:

Elevrc:

18 Zone: East83: 442514 5026015 North83: Org CS: UTM83

**UTMRC**:

**UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 20200205796

Location Method: wwr

### Overburden and Bedrock

**Materials Interval** 

1006479817 Formation ID:

Layer: Color: BROWN General Color: Mat1: 28 Most Common Material: SAND Mat2: 11 **GRAVEL** Other Materials: Mat3: 85 Other Materials: SOFT Formation Top Depth: Formation End Depth: 0.91

Overburden and Bedrock

Formation End Depth UOM:

**Materials Interval** 

Formation ID: 1006479819

Layer: 3 Color: 2 General Color: **GREY** 

m

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Other Materials:
 GRAVEL

 Mat3:
 91

Other Materials: WATER-BEARING

Formation Top Depth: 2.44
Formation End Depth: 4.57
Formation End Depth UOM: m

# Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006479818

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 06

 Most Common Material:
 SILT

 Mat2:
 11

 Other Materials:
 GRAVEL

 Mat3:
 91

Other Materials: WATER-BEARING

Formation Top Depth: 0.91
Formation End Depth: 2.44
Formation End Depth UOM: m

# Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006479828

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 1.22

 Plug Depth UOM:
 m

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006479829

 Layer:
 3

 Plug From:
 1.22

 Plug To:
 4.57

 Plug Depth UOM:
 m

### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006479827

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

## Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: B

Method Construction:Other MethodOther Method Construction:DIRECT PUSH

Pipe Information

Pipe ID: 1006479816

Casing No: Comment:

Alt Name:

**Construction Record - Casing** 

1006479822 Casing ID:

Layer: Material: 5

Open Hole or Material: **PLASTIC** Depth From: 0 Depth To: 1.5 Casing Diameter: 4.03

Casing Diameter UOM: cm Casing Depth UOM: m

**Construction Record - Screen** 

1006479823 Screen ID:

Layer: 10 Slot: Screen Top Depth: 1.5 Screen End Depth: 4.57 Screen Material: 5

Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Hole Diameter

Hole ID: 1006479820 Diameter: 8.25

Depth From: 0 Depth To: 4.57 Hole Depth UOM: m Hole Diameter UOM: cm

**12** 1 of 4 ENE/81.0 72.9 / 0.00 Triole Investments Limited CA 1316 Carling Avenue Ottawa ON K1Z 7L1

4976-6F6J59 Certificate #: Application Year: 2005 Issue Date: 8/11/2005 Approval Type: Air Approved Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: **Emission Control:** 

2 of 4

72.9 / 0.00 1316 Carling Ave Ottawa ON K1Z7L1

ENE/81.0

12

**EHS** 

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

Order No: 20160729054

Status:

Report Type: Standard Report Report Date: 05-AUG-16 Date Received: 29-JUL-16

Previous Site Name:

Approx 9310 m2 Lot/Building Size:

Title Searches; Aerial Photos Additional Info Ordered:

Nearest Intersection:

City of Ottawa Municipality:

Client Prov/State: ON Search Radius (km): .25

-75.734303 45.385126 Y:

**ECA** 

**GEN** 

Order No: 20200205796

3 of 4 ENE/81.0 72.9 / 0.00 12

Triole Investments Limited 1316 Carling Avenue

Ottawa

-75.73429

Canada

45.385169999999995

Ottawa ON K2J 4A9

**MOE District:** 

Longitude:

Geometry X:

Geometry Y:

Latitude:

City:

Approval No: 4976-6F6J59 Approval Date: 2005-08-11 Status: Approved

Record Type: **ECA IDS** Link Source:

Rideau Valley SWP Area Name: Approval Type: ECA-AIR Project Type: AIR

1316 Carling Avenue Address:

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8993-6D7NPA-14.pdf

**12** 4 of 4 ENE/81.0 72.9 / 0.00 Homestead Land Holdings 1316 Carling Ave

Ottawa ON K1Z 7L1

ON5024217 Generator No: PO Box No: Registered

Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code:

As of Dec 2017

Country: Choice of Contact:

Co Admin: Phone No Admin:

Detail(s)

SIC Description:

Waste Class: 114 C

Waste Class Desc: Other inorganic acid wastes

13 1 of 1 NNW/81.2 72.9 / 0.00 **WWIS** Ottawa ON

Well ID: 7282860

Construction Date:

Test Hole Primary Water Use: Sec. Water Use: Monitoring

Final Well Status: Monitoring and Test Hole

Water Type:

Casing Material:

Audit No: Z250744 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

A190039

Overburden/Bedrock:

Data Entry Status:

Data Src:

3/13/2017 Date Received: Selected Flag: Yes Abandonment Rec: Contractor: 7241 Form Version:

Owner:

Street Name: 1335 CARLING AVE OTTAWA-CARLETON County: Municipality: **NEPEAN TOWNSHIP** 

Site Info: Lot: Concession:

Concession Name:

Easting NAD83: Pump Rate:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability: Flow Rate: Clear/Cloudy:

#### **Bore Hole Information**

Bore Hole ID: 1006366385 Elevation: 74.415481

DP2BR: Elevrc: Spatial Status: 18 Zone: Code OB:

East83: 442419 Code OB Desc: North83: 5026066 Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC**:

Date Completed: 2/21/2017 UTMRC Desc: margin of error: 30 m - 100 m Location Method: Remarks: wwr

Elevrc Desc: Location Source Date:

# Overburden and Bedrock

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

Materials Interval

1006584767 Formation ID:

Layer: Color: **BROWN** General Color: Mat1: 28 SAND

Most Common Material: Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0.31 Formation End Depth: 3.1 Formation End Depth UOM: m

## Overburden and Bedrock

Materials Interval

1006584768 Formation ID:

Layer: 3 Color: 2 General Color: **GREY** 34 Mat1: TILL Most Common Material:

Mat2:

Other Materials:

Mat3: Other Materials:

Formation Top Depth: 3.1

Formation End Depth: 5.79 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006584766

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

Layer: Color: 2 **GREY** General Color: Mat1: 11 **GRAVEL** Most Common Material:

Mat2:

Other Materials: Mat3:

Other Materials: Formation Top Depth:

0 Formation End Depth: 0.31 Formation End Depth UOM:

### Annular Space/Abandonment

Sealing Record

Plug ID: 1006584778 3 Layer:

Plug From: 2.44 Plug To: 5.79 Plug Depth UOM: m

## Annular Space/Abandonment

Sealing Record

Plug ID: 1006584777 2 Layer:

0.31 Plug From: 2.44 Plug To: Plug Depth UOM: m

## Annular Space/Abandonment

Sealing Record

Plug ID: 1006584776

Layer: 1 Plug From: 0 Plug To: 0.31 Plug Depth UOM: m

#### Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:** D

Direct Push **Method Construction:** 

Other Method Construction:

#### Pipe Information

1006584765 Pipe ID:

Casing No: 0

Comment: Alt Name:

#### **Construction Record - Casing**

Casing ID: 1006584771

Layer: Material:

**PLASTIC** Open Hole or Material:

Мар Кеу	Number Records		Elev/Diff (m)	Site		DB
Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:		0 2.74 4.03 cm m				
Construction	n Record - S	<u>Screen</u>				
Screen ID:		1006584772				
Layer:		1				
Slot:		10				
Screen Top Screen End		2.74 5.79				
Screen Mate	•	5				
Screen Dept		m				
Screen Dian		cm				
Screen Dian	neter:	4.82				
Hole Diamet	<u>er</u>					
Hole ID:		1006584769				
Diameter:		8.25				
Depth From:		0 5.79				
Depth To: Hole Depth U	UOM·	5.79 M				
Hole Diamet		cm				
<u>14</u>	1 of 1	E/84.3	72.9 / 0.00	1316 Carling Avenue Ottawa ON K1Z 7L1		EHS
Owden Ne.		20100700202		Name of Interessifications		
Order No: Status:		20190709202 C		Nearest Intersection: Municipality:		
Report Type	) <i>:</i>	Standard Report		Client Prov/State:	ON	
Report Date		15-JUL-19		Search Radius (km):	.25	
Date Receive Previous Sit Lot/Building Additional In	e Name: Size:	09-JUL-19 :		X: Y:	-75.734224 45.385187	
15	1 of 1	WNW/86.4	72.9 / 0.00			wwis
_				Ottawa ON		WWIS
Well ID:		7282861		Data Entry Status:		
Construction				Data Src:		
Primary Wat		Test Hole Monitoring		Date Received:	3/13/2017	
Sec. Water U Final Well St		Monitoring and Test Hole		Selected Flag: Abandonment Rec:	Yes	
Water Type:		Wermening and Teet Hele		Contractor:	7241	
Casing Mate		_		Form Version:	7	
Audit No:		Z250743 A190038		Owner:	1225 CADLING AVE	
Tag: Construction	n Method:	V190090		Street Name: County:	1335 CARLING AVE OTTAWA-CARLETON	
Elevation (m				Municipality:	NEPEAN TOWNSHIP	
Elevation Re				Site Info:		
Depth to Be	drock:			Lot:		
Well Depth: Overburden	/Bedrock:			Concession: Concession Name:		
Pump Rate:	_001 00N.			Easting NAD83:		
Static Water				Northing NAD83:		
Flowing (Y/N	V):			Zone:		
Flow Rate:				UTM Reliability:		

Order No: 20200205796

Clear/Cloudy:

DB Map Key Number of Direction/ Elev/Diff Site

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Records

Distance (m)

(m)

74.794303

18

442367 5026036

UTM83

wwr

margin of error: 30 m - 100 m

Order No: 20200205796

#### **Bore Hole Information**

Bore Hole ID: 1006366388

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind:

2/21/2017 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

## Overburden and Bedrock

Materials Interval

Formation ID: 1006584820

3 Layer: Color: General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 84 Other Materials: SILTY

Mat3:

Other Materials:

Formation Top Depth: 1.5 Formation End Depth: 4.57 Formation End Depth UOM: m

# Overburden and Bedrock

Materials Interval

Formation ID: 1006584818

Layer: Color: 2 General Color: **GREY** Mat1: 11 Most Common Material: **GRAVEL** 

Mat2:

Other Materials:

Mat3:

Other Materials:

0 Formation Top Depth: Formation End Depth: 0.31 Formation End Depth UOM: m

#### Overburden and Bedrock

Materials Interval

1006584819 Formation ID:

Layer: Color: 6 General Color: **BROWN** Mat1: 28 SAND Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0.31
Formation End Depth: 1.5
Formation End Depth UOM: m

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006584821

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 34

 Most Common Material:
 TILL

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 4.57
Formation End Depth: 5.79
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006584830

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 2.44

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006584829

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006584831

 Layer:
 3

 Plug From:
 2.44

 Plug To:
 5.79

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: D

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1006584817 0

Casing No:

Comment: Alt Name:

#### **Construction Record - Casing**

Casing ID: 1006584824

Layer: Material: 5 Open Hole or Material: **PLASTIC** Depth From: 0 Depth To: 2.74 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

#### **Construction Record - Screen**

1006584825 Screen ID:

Layer: Slot: 10 Screen Top Depth: 2.74 Screen End Depth: 5.79 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

#### **Hole Diameter**

Hole ID: 1006584822 Diameter: 8.25 Depth From: Depth To: 5.79 Hole Depth UOM: m Hole Diameter UOM: cm

W/88.1 72.9 / 0.00 1 of 1 16 **BORE** ON

Borehole ID: 848112 OGF ID: 215589760 Status: Decommissioned

Borehole Type:

Geotechnical/Geological Investigation Use:

Completion Date: 25-MAR-1975

Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m:

18.1

Depth Ref: **Ground Surface** 

Depth Elev:

Drill Method: Diamond Drill

Orig Ground Elev m: 74.9 Elev Reliabil Note: DEM Ground Elev m: 74.3

Concession: Location D: Survey D: Comments:

Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name:

Municipality:

Lot: **ROAD** Township: **NEPEAN** Latitude DD: 45.385133 Longitude DD: -75.736395 UTM Zone: 18 Easting: 442351 Northing: 5025999

Location Accuracy:

Within 20 metres Accuracy:

Borehole Geology Stratum

Geology Stratum ID: 6559990 Mat Consistency: Firm Top Depth: 3.2 Material Moisture: Bottom Depth: 3.7 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: FIRM GREY SILTY CLAY \*\*Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6559992 Mat Consistency: Very Dense

Top Depth: Material Moisture: 5.3 **Bottom Depth:** 10.6 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Till Geologic Formation: Silt - Sand Material 2: Geologic Group: Material 3: Gravel Geologic Period: Clay - Cobbles Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: VERY DENSE GREY SANDY SILT TO SILTY SAND WITH GRAVEL, SOME CLAY, COBBLES AND BOULDERS

(TILL) (NOTE: NUMEROUS COBBLES AND BOULDERS FROM 29' - 34.5' FOOT DEPTH) \*\*Note: Many records

Order No: 20200205796

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:6559993Mat Consistency:Top Depth:10.6Material Moisture:

Bottom Depth: 18.1 Material Texture: Fine to Medium

Material Color:GreyNon Geo Mat Type:Material 1:BedrockGeologic Formation:Material 2:LimestoneGeologic Group:Material 3:ShaleGeologic Period:Material 4:DolomiteDepositional Gen:

Gsc Material Description:

SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, SOME SHALY AND DOLOMITE BANDS

\*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559991 Mat Consistency: Loose

Material Moisture: Top Depth: 3.7 Bottom Depth: 5.3 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Till Geologic Formation: Material 2: Silt Geologic Group: Material 3: Sand Geologic Period: Clay - Gravel Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LOOSE GREY SANDY SILT WITH CLAY AND GRAVEL (TILL) \*\*Note: Many records provided by the department

have a truncated [Stratum Description] field.

Geology Stratum ID: 6559987 Mat Consistency:
Top Depth: 0 Material Moisture:
Bottom Depth: .1 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Topsoil Geologic Formation

Material 1:TopsoilGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: TOPSOIL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559988 Mat Consistency: Loose

Top Depth: .1 Material Moisture:

Bottom Depth:2.1Material Texture:Fine to MediumMaterial Color:BrownNon Geo Mat Type:Fill -RockMaterial 1:Geologic Formation:

Material 2:SandGeologic Group:Material 3:SiltGeologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description:

LOOSE BROWN FINE TO MEDIUM SAND WITH SILT (FILL) \*\*Note: Many records provided by the department

have a truncated [Stratum Description] field.

Geology Stratum ID:6559989Mat Consistency:LooseTop Depth:2.1Material Moisture:

**Bottom Depth:** 3.2 Material Texture: Material Color: Brown Non Geo Mat Type: Material 1: Sand Geologic Formation: Material 2: Geologic Group: Silt Material 3: Gravel Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LOOSE BROWN SILTY SAND WITH GRAVEL \*\*Note: Many records provided by the department have a truncated

[Stratum Description] field.

17 1 of 1 ENE/90.5 72.9 / 0.00 WWIS

Well ID: 7276790 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:Monitoring and Test HoleDate Received:12/12/2016Sec. Water Use:0Selected Flag:Yes

Final Well Status:Monitoring and Test HoleAbandonment Rec:Water Type:Contractor:7241Casing Material:Form Version:7

 Audit No:
 Z237919
 Owner:

 Tag:
 A191034
 Street Name:
 1316 CARLING AVE

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:OTTAWA CITYElevation Reliability:Site Info:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Static Water Level:

Lot:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

Flowing (Y/N): Zone:
Flow Rate: UTM Reliability:

Bore Hole Information

Clear/Cloudy:

**Bore Hole ID:** 1006305101 **Elevation:** 73.278022

DP2BR: Elevrc: Spatial Status: 18 Zone: Code OB: East83: 442518 Code OB Desc: North83: 5026030 Open Hole: Org CS: UTM83 UTMRC: Cluster Kind:

Date Completed: 11/17/2016 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20200205796

Remarks: Location Method: ww

Elevro Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Source Revision Comment:

## Overburden and Bedrock

**Materials Interval** 

1006479853 Formation ID:

Layer: Color: 2 General Color: **GREY** 06 Mat1: Most Common Material: SILT Mat2: Other Materials: **GRAVEL** Mat3:

WATER-BEARING Other Materials:

91

Formation Top Depth: 1.22 Formation End Depth: 2.44 Formation End Depth UOM: m

#### Overburden and Bedrock **Materials Interval**

1006479852 Formation ID:

Layer: Color: 6 **BROWN** General Color: Mat1: 28 Most Common Material: SAND Mat2: 11 **GRAVEL** Other Materials: Mat3: 85 Other Materials: SOFT Formation Top Depth: 0

Formation End Depth: 1.22 Formation End Depth UOM: m

# Overburden and Bedrock

**Materials Interval** 

Formation ID: 1006479854

3 Layer: 2 Color: **GREY** General Color: 28 Mat1: Most Common Material: SAND Mat2: 11 Other Materials: **GRAVEL** 

Mat3: 91

Other Materials: WATER-BEARING

Formation Top Depth: 2.44 Formation End Depth: 4.57 Formation End Depth UOM: m

#### Annular Space/Abandonment

Sealing Record

1006479862 Plug ID:

Layer: 0 Plug From: Plug To: 0.31 Plug Depth UOM:

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006479863

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 1.22

 Plug Depth UOM:
 m

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006479864

 Layer:
 3

 Plug From:
 1.22

 Plug To:
 4.54

 Plug Depth UOM:
 m

#### Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: B

Method Construction:Other MethodOther Method Construction:DIRECT PUSH

#### Pipe Information

**Pipe ID:** 1006479851

Casing No:

Comment: Alt Name:

# Construction Record - Casing

**Casing ID:** 1006479857

 Layer:
 1

 Material:
 5

 Open Hole or Material:
 PLASTIC

 Depth From:
 0

 Depth To:
 1.5

 Casing Diameter:
 4.03

Casing Diameter: 4.00
Casing Diameter UOM: cm
Casing Depth UOM: m

#### Construction Record - Screen

**Screen ID:** 1006479858

Layer: 1 Slot: 10 Screen Top Depth: 1.5 Screen End Depth: 4.57 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

#### Hole Diameter

 Hole ID:
 1006479855

 Diameter:
 8.25

 Depth From:
 0

 Depth To:
 4.57

Мар Кеу	Number Records		Elev/Diff (m)	Site		DB
Hole Depth U		m cm				
18	1 of 1	NW/101.5	72.9 / 0.00	1335 Carling Ave Ottawa ON K1Z8N8		EHS
Order No: Status: Report Type Report Date: Date Receiv Previous Sit Lot/Building Additional In	: ed: e Name: Size:	20170120045 C Standard Report 25-JAN-17 20-JAN-17		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.736042 45.385772	
<u>19</u>	1 of 27	NW/101.5	72.9 / 0.00	Zachary A Dental Lab 1335 Carling Ave Suit Ottawa ON K1Z 8N8	o Ltd. te 400	SCT
Established: Plant Size (fi Employment	t²):					
Details Description: SIC/NAICS C		Medical Equipmen 339110	t and Supplies Ma	anufacturing		
<u>19</u>	2 of 27	NW/101.5	72.9 / 0.00	1335 Carling Ave. Ottawa ON K1Z 8N8		EHS
Order No: Status: Report Type Report Date: Date Receive Previous Sit Lot/Building Additional In	: ed: e Name: Size:	20040921032 C Site Report 9/23/04 9/21/04		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON 0.25 -75.735728 45.385614	
<u>19</u>	3 of 27	NW/101.5	72.9 / 0.00	A. Zachary Dental Lal 1335 Carling Ave Suit Ottawa ON K1Z 8N8	boratory te 400	SCT
Established: Plant Size (fi Employment	t²):	1971 1				
Details Description: SIC/NAICS C		Medical Equipmen 339110	t and Supplies Ma	anufacturing		
<u>19</u>	4 of 27	NW/101.5	72.9 / 0.00	Echo Dental Lab Ltd. 1335 Carling Ave Suit Ottawa ON K1Z 8N8	te 415	SCT
Established:	;	01-JUN-79		2		

Plant Size (ft²):

Employment:

--Details--

**Description:** Medical Equipment and Supplies Manufacturing

1000

SIC/NAICS Code: 339110

**Description:** Medical Equipment and Supplies Manufacturing

SIC/NAICS Code: 339110

19 5 of 27 NW/101.5 72.9 / 0.00 Milident Inc.

550-1335 Carling Avenue

**GEN** 

GEN

**GEN** 

Order No: 20200205796

Ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

PO Box No:

Co Admin:

Country:

Generator No: ON5442111 Status:

Approval Years:

: 07,08

Contam. Facility: MHSW Facility:

**SIC Code:** 621210

SIC Description: Offices of Dentists

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

19 6 of 27 NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul

1335 carling ave suite 414

ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

PO Box No: Country:

Co Admin:

Generator No: ON4081183

Status:

Approval Years:

Contam. Facility:

MHSW Facility:

**SIC Code:** 621210

SIC Description: Offices of Dentists

2010

Detail(s)

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264

Waste Class Desc: PHOTOPROCESSING WASTES

19 7 of 27 NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul

1335 carling ave suite 414

ottawa ON K1Z 8N8

ON4081183 *PO Box No: Country:* 

Status:Country:Approval Years:2011Choice of Contact:Contam. Facility:Co Admin:MHSW Facility:Phone No Admin:

**SIC Code:** 621210

Generator No:

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

Offices of Dentists SIC Description:

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

Waste Class:

Waste Class Desc: **INORGANIC LABORATORY CHEMICALS** 

Waste Class: 264

PHOTOPROCESSING WASTES Waste Class Desc:

19 8 of 27 NW/101.5 72.9 / 0.00 Sports and Spinal Injury Clinic

1335 Carling Ave., Suite 602

**GEN** 

**GEN** 

**GEN** 

Order No: 20200205796

Ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

PO Box No:

Country:

Co Admin:

PO Box No:

Country:

Co Admin:

ON9709569 Generator No: Status:

Approval Years:

2011

Contam. Facility: MHSW Facility:

621110 SIC Code:

SIC Description:

19 9 of 27 NW/101.5 72.9 / 0.00 Sports and Spinal Injury Clinic

1335 Carling Ave., Suite 602

Ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

Generator No: ON9709569

Status:

19

Approval Years: 2012

Contam. Facility:

MHSW Facility:

621110 SIC Code:

10 of 27

Offices of Physicians SIC Description:

> NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul

1335 carling ave suite 414

ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

Co Admin:

Generator No: ON4081183 PO Box No: Status: Country:

Approval Years: 2012

Contam. Facility:

MHSW Facility:

SIC Code: 621210

SIC Description: Offices of Dentists

Detail(s)

Waste Class: 264

PHOTOPROCESSING WASTES Waste Class Desc:

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>19</u>	11 of 27		NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON	GEN
Generator N	lo:	ON4081	183		PO Box No:	
Status:					Country:	
Approval Ye Contam. Fac		2013			Choice of Contact: Co Admin:	
MHSW Facil					Phone No Admin:	
SIC Code:		621210	0551050 05 0511	T10T0		
SIC Descrip	tion:		OFFICES OF DEN	11515		
<u>Detail(s)</u>						
Waste Class Waste Class			264 PHOTOPROCESS	ING WASTES		
Waste Class Waste Class			148 INORGANIC LABO	RATORY CHEM	ICALS	
Waste Class Waste Class			312 PATHOLOGICAL V	VASTES		
<u>19</u>	12 of 27		NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON	GEN
Generator N	lo:	ON9709569			PO Box No:	
Status:			13		Country:	
Approval Ye Contam. Fac		2013			Choice of Contact: Co Admin:	
MHSW Facil					Phone No Admin:	
SIC Code: SIC Descrip	tion:	621110	OFFICES OF PHYS	SICIANS		
Detail(s)						
Waste Class Waste Class			312 PATHOLOGICAL V	VASTES		
<u>19</u>	13 of 27		NW/101.5	72.9 / 0.00	165279 Canada Inc 1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	GEN
Generator N	lo:	ON5603	133		PO Box No:	
Status:		2040			Country: Canada	
Approval Ye Contam. Fac		2016 No			Choice of Contact: CO_OFFICIAL Co Admin:	
MHSW Facil		No			Phone No Admin:	
SIC Code: SIC Descrip	tion:	621110	OFFICES OF PHYS	SICIANS		
<u>Detail(s)</u>						
Waste Class Waste Class			312 PATHOLOGICAL V	VASTES		
<u>19</u>	14 of 27		NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN

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

PO Box No: ON4081183 Generator No:

Status: Country: Canada CO\_OFFICIAL 2016 Approval Years: Choice of Contact: Co Admin: Contam. Facility: No

MHSW Facility: No Phone No Admin: 621210 SIC Code:

SIC Description: OFFICES OF DENTISTS

Detail(s)

Waste Class: 264

PHOTOPROCESSING WASTES Waste Class Desc:

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

PATHOLOGICAL WASTES Waste Class Desc:

15 of 27 NW/101.5 72.9 / 0.00 165279 Canada Inc 19 **GEN** 

1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8

ON5603133 Generator No: PO Box No:

Status:

Country: Canada Approval Years: 2015 Choice of Contact: CO\_OFFICIAL Contam. Facility: No Co Admin: Phone No Admin:

MHSW Facility: No SIC Code: 621110

SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

ON4081183

16 of 27 NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul 19 **GEN** 1335 carling ave suite 414

ottawa ON K1Z 8N8

Order No: 20200205796

Generator No: PO Box No: Status: Country: Canada 2015 Choice of Contact: CO\_OFFICIAL Approval Years: Contam. Facility: No Co Admin: Phone No Admin:

MHSW Facility: No SIC Code: 621210

OFFICES OF DENTISTS SIC Description:

Detail(s)

Waste Class: 264

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 312

PATHOLOGICAL WASTES Waste Class Desc:

NW/101.5 72.9 / 0.00 19 17 of 27 Sports and Spinal Injury Clinic **GEN** 1335 Carling Ave., Suite 602

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

Canada

Canada CO\_OFFICIAL

Canada

Canada

Order No: 20200205796

CO\_OFFICIAL

Eleanor Cox

613 729-8098 Ext.

CO\_OFFICIAL

613 729-8098 Ext.

Eleanor Cox

PO Box No:

Country:

Co Admin:

Generator No: ON9709569

Status: Approval Years: 2015 Contam. Facility: No Nο MHSW Facility: 621110 SIC Code:

SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

19 18 of 27 NW/101.5 72.9 / 0.00 Sports and Spinal Injury Clinic **GEN** 1335 Carling Ave., Suite 602

Country:

Co Admin:

Ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

ON9709569 Generator No: PO Box No:

Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No 621110 SIC Code:

SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

19 of 27 NW/101.5 72.9 / 0.00 165279 Canada Inc 19 **GEN** 1335 Carling Ave Suite 600

Ottawa ON K1Z 8N8

PO Box No:

Choice of Contact:

Phone No Admin:

Country:

Co Admin:

Generator No: ON5603133

Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No

621110 SIC Code: OFFICES OF PHYSICIANS SIC Description:

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

72.9 / 0.00 Sports and Spinal Injury Clinic 19 20 of 27 NW/101.5 **GEN** 

1335 Carling Ave., Suite 602

Ottawa ON K1Z 8N8

Generator No: ON9709569 PO Box No: Country:

Status: 2014 Approval Years: Contam. Facility: No MHSW Facility: No SIC Code: 621110

SIC Description: OFFICES OF PHYSICIANS

Choice of Contact: CO OFFICIAL Eleanor Cox Co Admin: 613 729-8098 Ext. Phone No Admin:

Map Key Number of Direction/ Elev/Diff Site DΒ

Records

Distance (m)

312

Waste Class Desc: PATHOLOGICAL WASTES

21 of 27 NW/101.5 72.9 / 0.00 19 Dr T Harle & Dr J Paul 1335 carling ave suite 414

(m)

ottawa ON K1Z 8N8

Choice of Contact:

Phone No Admin:

Co Admin:

Canada

CO\_OFFICIAL

**GEN** 

**GEN** 

Order No: 20200205796

ON4081183 PO Box No: Generator No: Country:

Status:

2014 Approval Years: Contam. Facility: No

MHSW Facility: No SIC Code: 621210

OFFICES OF DENTISTS SIC Description:

Detail(s)

Detail(s) Waste Class:

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

PATHOLOGICAL WASTES Waste Class Desc:

19 22 of 27 NW/101.5 72.9 / 0.00 165279 Canada Inc

1335 Carling Ave Suite 600

1335 carling ave suite 414

Choice of Contact:

Phone No Admin:

Co Admin:

PO Box No:

Ottawa ON K1Z 8N8

Generator No: ON5603133 PO Box No: Country: Canada

Registered Status: Approval Years: As of Dec 2018 Contam. Facility:

MHSW Facility: SIC Code: SIC Description:

Detail(s)

Waste Class: 312 P

Waste Class Desc: Pathological wastes

ON4081183

19 23 of 27 NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul GEN

ottawa ON K1Z 8N8

Registered Status: Country: Canada

Choice of Contact: Approval Years: As of Dec 2018 Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code:

Generator No:

SIC Description:

Detail(s)

Map Key	Number Record		Elev/Diff (m)	Site		DB
Waste Class Waste Class		148 B Misc. wastes and i	norganic chemicals			
Waste Class Waste Class		148 C Misc. wastes and i	norganic chemicals			
Waste Class Waste Class		312 P Pathological waste	es			
<u>19</u>	24 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Inju 1335 Carling Ave., Su Ottawa ON K1Z 8N8		GEN
Generator N Status: Approval Ye Contam. Facil MHSW Facil SIC Code: SIC Descrip	ears: cility: lity:	ON9709569 Registered As of Dec 2018		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	
<u>Detail(s)</u>						
Waste Class Waste Class		312 P Pathological waste	es			
<u>19</u>	25 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite ottawa ON K1Z 8N8		GEN
Generator N Status: Approval Ye Contam. Facil MHSW Facil SIC Code: SIC Descrip	ears: cility: lity:	ON4081183 Registered As of Oct 2019		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	
<u>Detail(s)</u>						
Waste Class Waste Class		148 C Misc. wastes and i	norganic chemicals			
Waste Class Waste Class		312 P Pathological waste	es			
Waste Class Waste Class		148 B Misc. wastes and i	norganic chemicals			
<u>19</u>	26 of 27	NW/101.5	72.9 / 0.00	165279 Canada Inc 1335 Carling Ave Suit Ottawa ON K1Z 8N8	e 600	GEN
Generator N Status: Approval Ye Contam. Facil MHSW Facil SIC Code: SIC Descrip	ears: cility: lity:	ON5603133 Registered As of Oct 2019		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	

Map Key	Numbe Record		Elev/Diff (m)	Site	DB
Detail(s)					
Waste Class Waste Class		312 P Pathological waste	es		
<u>19</u>	27 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON9709569 Registered As of Oct 2019		PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class Waste Class		312 P Pathological waste	es		
<u>20</u>	1 of 3	NNE/105.3	72.9 / 0.00	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER 1321 CARLING AVE OTTAWA ON K1Z 7L3	PES
Detail Licence Licence No: Status: Approval Da Report Soun Licence Typ Licence Classicance Contaitude: Longitude: Lot: Concession Region: District: County: Trade Name PDF Link:	ate: rce: re: re Code: ss: atrol:	23-01-12166-0 12166 Limited Vendor 23 01 0		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Operator County: Post Office Box: MOE District: SWP Area Name:	
<u>20</u>	2 of 3	NNE/105.3	72.9 / 0.00	Your Independant Grocer 1321 Carling Avenue Ottawa ON	GEN
Generator N Status: Approval Ye Contam. Faci MHSW Facil SIC Code: SIC Descrip	ears: cility: lity:	ON1308563 03,04		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>20</u>	3 of 3	NNE/105.3	72.9 / 0.00	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER 1321 CARLING AVE(STORE CLOSED OCT 11/03)	PES

Number of Direction/ Elev/Diff Site Map Key

Records Distance (m) (m)

OTTAWA ON K1Z7L3

Operator Box:

Operator No:

Operator Class:

Operator Type:

Detail Licence No: Licence No:

Status: Approval Date: Report Source:

Licence Type:

Licence Type Code:

Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region:

District:

County: Trade Name: PDF Link:

Limited Vendor

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Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: **Operator County:** Op Municipality: Post Office Box: **MOE District:** SWP Area Name:

21 1 of 1 NNW/109.2 72.9 / 0.00

7267593 Well ID:

Construction Date:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type: Casing Material:

Audit No: Z229844 A169688 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:

OTTAWA ON

Data Entry Status: Data Src:

Date Received: 7/21/2016 Selected Flag: Yes

Abandonment Rec:

Contractor: 7241 Form Version:

Owner:

Street Name: 1309 CARLING AVE County: OTTAWA-CARLETON Municipality: **NEPEAN TOWNSHIP** 

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

#### **Bore Hole Information**

Bore Hole ID: 1006167076

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 6/6/2016

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 73.774696

Elevrc:

Zone: 18 East83: 442416 5026094 North83: UTM83 Org CS:

UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Location Method: wwr

DΒ

**WWIS** 

Overburden and Bedrock

Materials Interval

**Formation ID:** 1006177257

**Layer:** 2 **Color:** 6

General Color: BROWN
Mat1: 28
Most Common Material: SAND

Mat2:

Other Materials:

Mat3:85Other Materials:SOFTFormation Top Depth:0.61Formation End Depth:1.5Formation End Depth UOM:m

Overburden and Bedrock Materials Interval

**Formation ID:** 1006177259

Layer: 4 Color: 2 General Color: **GREY** Mat1: 06 Most Common Material: SILT Mat2: 05 Other Materials: CLAY Mat3: 85 Other Materials: SOFT Formation Top Depth: 4.21 Formation End Depth: 6.1

Formation End Depth UOM:

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006177256

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2:

Other Materials:

Mat3:77Other Materials:LOOSEFormation Top Depth:0Formation End Depth:0.61Formation End Depth UOM:m

Overburden and Bedrock

Materials Interval

**Formation ID:** 1006177258

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 06

 Most Common Material:
 SILT

 Mat2:
 05

 Other Materials:
 CLAY

 Mat3:
 85

 Other Materials:
 SOFT

 Formation Top Depth:
 1.5

 Formation End Depth:
 4.21

 Formation End Depth UOM:
 m

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177269

 Layer:
 3

 Plug From:
 4.21

 Plug To:
 6.1

 Plug Depth UOM:
 m

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177268

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 4.21

 Plug Depth UOM:
 m

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177267

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

## Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: 2

Method Construction: Rotary (Convent.)

**Other Method Construction:** 

### Pipe Information

**Pipe ID:** 1006177255

Casing No:

Comment: Alt Name:

### **Construction Record - Casing**

**Casing ID:** 1006177262

Layer: 1
Material: 5
Open Hole or Material: PLASTIC

 Depth From:
 0

 Depth To:
 4.27

 Casing Diameter:
 5.2

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

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

Construction Record - Screen

Screen ID: 1006177263

Layer: Slot: 10 Screen Top Depth: 4.27 Screen End Depth: 6.1 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm 6.03 Screen Diameter:

Hole Diameter

Hole ID: 1006177260 Diameter: 20.95 Depth From: 0 Depth To: 6.1 Hole Depth UOM: m Hole Diameter UOM:

22 1 of 1 NNE/109.6 72.9 / 0.00 **BORE** ON

Borehole ID: 848115 Inclin FLG: No OGF ID: 215589763 Initial Entry SP Status: Status: Decommissioned Surv Elev: No Borehole Piezometer: Type: No Primary Name:

Geotechnical/Geological Investigation Use:

Completion Date: 03-APR-1975 Municipality:

Static Water Level: LOT 33 Lot: Primary Water Use: Township: **NEPEAN** Sec. Water Use: Latitude DD: 45.385963 Total Depth m: 18.4 Longitude DD: -75.734809 Depth Ref: **Ground Surface** UTM Zone: 18 Depth Elev: Easting: 442476

Drill Method: Diamond Drill Northing: 5026090 Orig Ground Elev m: 76.7 Location Accuracy:

Elev Reliabil Note: Accuracy:

Within 20 metres DEM Ground Elev m: 74.8

Concession: CON 1 ON OTTAWA RIVER Location D: Survey D:

**Borehole Geology Stratum** 

Comments:

Geology Stratum ID: 6560006 Mat Consistency: Top Depth: 0 Material Moisture: **Bottom Depth:** .2 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Topsoil Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

TOPSOIL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field. Stratum Description:

Order No: 20200205796

Geology Stratum ID: 6560007 Stiff Mat Consistency:

Top Depth: .2 Material Moisture: **Bottom Depth:** 1.4 Material Texture: Material Color: Brown Non Geo Mat Type:

Material 1:ClayGeologic Formation:Material 2:SiltGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: STIFF BROWN SILTY CLAY (WEATHERED CRUST) \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

Geology Stratum ID:6560009Mat Consistency:Top Depth:3.2Material Moisture:

Bottom Depth: 18.4 Material Texture: Fine to Medium

Material Color:GreyNon Geo Mat Type:Material 1:BedrockGeologic Formation:Material 2:LimestoneGeologic Group:Material 3:ShaleGeologic Period:Material 4:DolomiteDepositional Gen:

Gsc Material Description:

Stratum Description: FAIRLY SOUND TO SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, WITH THIN

IRREGULAR SHALE BANDS, SOME DOLOMITE LAYERS \*\*Note: Many records provided by the department

Order No: 20200205796

have a truncated [Stratum Description] field.

Geology Stratum ID: 6560008 Mat Consistency: Very Dense

Top Depth: 1.4 Material Moisture: **Bottom Depth:** 3.2 Material Texture: Grey-Brown Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation: Geologic Group: Material 2: Silt Material 3: Sand Geologic Period: Material 4: Gravel - Bolders Depositional Gen:

Gsc Material Description:

Stratum Description: VERY DENSE GREY BROWN SANDY SILT WITH GRAVEL AND BOULDERS (TILL) \*\*Note: Many records

provided by the department have a truncated [Stratum Description] field.

23 1 of 1 NNW/128.1 72.9 / 0.00 WWIS

Well ID: 7267592 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:Monitoring and Test HoleDate Received:7/21/2016Sec. Water Use:0Selected Flag:Yes

Final Well Status: Monitoring and Test Hole Abandonment Rec:
Water Type: Contractor: 7241

Casing Material: Form Version:
Audit No: Z229845 Owner:

Tag:A169689Street Name:1309 CARLING AVEConstruction Method:County:OTTAWA-CARLETON

Construction Method: County: OTTAWA-CARLETON
Elevation (m): Municipality: NEPEAN TOWNSHIP
Elevation Reliability: Site Info:
Depth to Bedrock: Lot:

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flowing (Y/N): Zone:
Flow Rate: UTM Reliability:
Clear/Cloudy:

**Bore Hole Information** 

**Bore Hole ID:** 1006167073 **Elevation:** 73.515617

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 442402

 Code OB Desc:
 North83:
 5026110

Org CS:

**UTMRC**:

UTMRC Desc:

Location Method:

UTM83

wwr

margin of error: 30 m - 100 m

Order No: 20200205796

Open Hole: Cluster Kind:

6/6/2016 Date Completed:

Remarks:

Elevrc Desc:

Location Source Date:

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

### Overburden and Bedrock

**Materials Interval** 

1006177242 Formation ID:

Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 06 Other Materials: SILT Mat3: 85 Other Materials: SOFT Formation Top Depth: 1.5 Formation End Depth: 4.21 Formation End Depth UOM: m

## Overburden and Bedrock

Materials Interval

Formation ID: 1006177241

Layer: Color: 2 General Color: **GREY** Mat1: 11 **GRAVEL** Most Common Material:

Mat2: 28 Other Materials: SAND Mat3: 77 LOOSE Other Materials: Formation Top Depth: 0.31 Formation End Depth: 1.5 Formation End Depth UOM: m

#### Overburden and Bedrock

Formation End Depth UOM:

**Materials Interval** 

1006177240 Formation ID:

Layer: Color: 8 **BLACK** General Color: 27 Mat1: Most Common Material: OTHER Mat2: 11 **GRAVEL** Other Materials: Mat3: 73 Other Materials: HARD Formation Top Depth: 0 Formation End Depth: 0.31

erisinfo.com | Environmental Risk Information Services

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006177243

Layer: 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 12 Other Materials: **STONES** Mat3: 66 DENSE Other Materials: Formation Top Depth: 4.21

Formation End Depth UOM: m

Annular Space/Abandonment

Formation End Depth:

Sealing Record

**Plug ID:** 1006177253

6.71

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 4.88

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177254

 Layer:
 3

 Plug From:
 4.88

 Plug To:
 6.71

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177251

Layer:

Plug From:

Plug To:
Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177252

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

wetnoa Construction Coae:

Method Construction: Direct Push

**Other Method Construction:** 

**Pipe Information** 

Pipe ID: 1006177239

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006177246

Layer: 1 Material: 5 **PLASTIC** Open Hole or Material: Depth From: n Depth To: 5.18 Casing Diameter: 5.2 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006177247

Layer: 10 Slot: Screen Top Depth: 5.18 Screen End Depth: 6.71 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.03

**Hole Diameter** 

Hole ID: 1006177244 Diameter: 8.25 Depth From: 0 Depth To: 6.71 Hole Depth UOM: m Hole Diameter UOM: cm

24 1 of 1 NW/134.7 72.9 / 0.00 **WWIS** Ottawa ON

Order No: 20200205796

Well ID: 7282862 Data Entry Status:

Construction Date: Data Src:

3/13/2017 Primary Water Use: Test Hole Date Received: Sec. Water Use: Monitoring Selected Flag: Yes

Final Well Status: Monitoring and Test Hole Abandonment Rec: Water Type: 7241 Contractor:

Casing Material: Form Version: Audit No: Z250741 Owner:

A190037 1335 CARLING AVE Tag: Street Name: Construction Method: County: **OTTAWA-CARLETON** 

Elevation (m): NEPEAN TOWNSHIP Municipality: Elevation Reliability: Site Info: Depth to Bedrock: Lot:

Well Depth: Concession: Concession Name: Overburden/Bedrock: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

**Bore Hole Information** 

Bore Hole ID: 1006366391 Elevation: 74.24945

DP2BR: Elevrc: Spatial Status: 18 Zone: Code OB: 442355 East83: Code OB Desc: North83: 5026093 Open Hole: Org CS: UTM83

Cluster Kind: **UTMRC**: Date Completed: 2/21/2017 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method: wwr Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

**Materials Interval** 

1006584877 Formation ID:

Layer: 2 Color: General Color: **GREY** Mat1: 34 Most Common Material: TILL

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 4.57 Formation End Depth: 5.79 Formation End Depth UOM: m

Overburden and Bedrock

**Materials Interval** 

Formation ID: 1006584876

3 Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 84 Other Materials: SILTY

Mat3:

Other Materials:

Formation Top Depth: 1.5 4.57 Formation End Depth: Formation End Depth UOM: m

Overburden and Bedrock

**Materials Interval** 

Formation ID: 1006584874

Layer: Color: 2 General Color: **GREY** Mat1: 11

Most Common Material: GRAVEL

Mat2

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 0.31
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 1006584875

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

Mat1:28Most Common Material:SANDMat2:01Other Materials:FILL

Other Materials: Mat3:

Other Materials:

Formation Top Depth: 0.31
Formation End Depth: 1.5
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006584885

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006584887

 Layer:
 3

 Plug From:
 2.44

 Plug To:
 5.79

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006584886

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 2.44

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Wetnoa Construction Coae:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

 Pipe ID:
 1006584873

 Casing No:
 0

Comment: Alt Name:

Construction Record - Casing

**Casing ID:** 1006584880

Layer: 1 Material: 5 **PLASTIC** Open Hole or Material: Depth From: 0 Depth To: 2.74 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

**Construction Record - Screen** 

**Screen ID:** 1006584881

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 2.74

 Screen End Depth:
 5.79

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 4.82

Hole Diameter

 Hole ID:
 1006584878

 Diameter:
 8.25

 Depth From:
 0

 Depth To:
 5.79

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

25 1 of 1 ENE/136.8 72.9 / 0.00

Thermal Insulation Association 1300 Carling Ave Suite 309

SCT

**PINC** 

Order No: 20200205796

Ottawa ON K1Z 7L2

Established: 1965
Plant Size (ft²):
Employment: 1

--Details--

**Description:** Periodical Publishers

SIC/NAICS Code: 511120

**Description:** Business Associations

SIC/NAICS Code: 813910

26 1 of 1 SE/137.3 73.6 / 0.69 1282 Thames Street, Ottawa ON

 Incident ID:
 2766416
 Health Impact:
 No

 Incident No:
 609806
 Environment Impact:
 No

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

Depth:

Pipe Material:

Plastic

Order No: 20200205796

53

FS-Pipeline Incident

Yes Type: Property Damage: Pipeline Damage Reason Est Service Interupt: Status Code: Yes Enforce Policy: Fuel Occurrence Tp: Pipeline Strike Yes Natural Gas Fuel Type: Public Relation: No Tank Status: RC Established Pipeline System: 3374560 40

Spills Action Centre:

Method Details: E-mail

PSIG: Fuel Category: Natural Gas Attribute Category: FS-Perform P-line Inc Invest

Date of Occurrence: 6/3/2011 0:00 Regulator Location: Outside

Occurrence Start 2011/06/28

Date:

Task No:

Operation Type: Construction Site (pipeline strike) Pipeline Type: Service / Riser Distribution Pipeline Regulator Type: Service Regulator (up to 60 psi intake) 1282 Thames Street, Ottawa - 1/2" Pipeline Hit Summary:

Armstrong, Alan - Enbridge Reported By:

Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

Occurrence Desc: trench collapsed

Damage Reason: Excavation practices not sufficient failed to support piping, trench collapsed Notes:

**27** 1 of 1 ESE/141.5 72.9 / 0.00 1270 Thames Street, Ottawa **PINC** ON

Incident ID: 2767954 Health Impact: No 611336 **Environment Impact:** Nο Incident No: Type: FS-Pipeline Incident Property Damage: Yes

Status Code: Pipeline Damage Reason Est Service Interupt: Yes Pipeline Strike Fuel Occurrence Tp: Enforce Policy: Yes Fuel Type: Natural Gas Public Relation: No Tank Status: RC Established Pipeline System:

3379623 Task No: Depth: 40 Spills Action Centre: Pipe Material: Plastic PSIG: Method Details: E-mail 53

Fuel Category: Natural Gas Attribute Category: FS-Perform P-line Inc Invest

5/24/2011 0:00 Outside Date of Occurrence: Regulator Location:

Occurrence Start 2011/06/13

Date:

Operation Type: Construction Site (pipeline strike) Pipeline Type: Service / Riser Distribution Pipeline Service Regulator (up to 60 psi intake) Regulator Type:

Summary: 1270 Thames Street, Ottawa - 1/2" Pipeline Hit

Reported By: Stiles, Jeff - Enbridge

Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Affiliation:

Occurrence Desc: Linestrike - Expired Locates Damage Reason: Excavation practices not sufficient Expired Locates, Failed To Support. Notes:

1 of 1 N/143.7 72.9 / 0.00 28 **WWIS** OTTAWA ON

7267545 Well ID: Data Entry Status: Data Src:

Construction Date: Primary Water Use: Monitoring and Test Hole

Date Received: 7/21/2016 Sec. Water Use: Selected Flag: Yes

Final Well Status: **Observation Wells** Abandonment Rec:

Water Type: Contractor: 7241 Casing Material: Form Version: 7 Audit No: Z229814 Owner:

A164398 Street Name: 1309 CARLING AVE.

County: OTTAWA-CARLETON 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: Municipality: NEPEAN TOWNSHIP

Site Info: Lot: Concession:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

#### **Bore Hole Information**

**Bore Hole ID:** 1006166679

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 6/8/2016

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

**Elevation:** 73.440139

Elevrc:

Zone: 18
East83: 442423
North83: 5026130
Org CS: UTM83
UTMRC: 4

UTMRC Desc: margin of error : 30 m - 100 m

Location Method: wwr

### Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006176466

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 27

 Most Common Material:
 OTHER

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 0.31
Formation End Depth UOM: m

#### Overburden and Bedrock

Formation End Depth UOM:

**Materials Interval** 

**Formation ID:** 1006176469

Layer: 4 Color: 2 General Color: **GREY** Mat1: 34 TILL Most Common Material: Mat2: 06 SILT Other Materials: Mat3: 85 Other Materials: **SOFT** Formation Top Depth: 2.43 Formation End Depth: 3.04

m

## Overburden and Bedrock

Materials Interval

**Formation ID:** 1006176467

Layer: Color: 6 General Color: **BROWN** 28 Mat1: Most Common Material: SAND Mat2: Other Materials: **GRAVEL** Mat3: 85 SOFT Other Materials: Formation Top Depth: 0.31

1.21

m

# Overburden and Bedrock

Formation End Depth UOM:

Formation End Depth:

Materials Interval

**Formation ID:** 1006176468

Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 06 SILT Other Materials: Mat3: 85 Other Materials: SOFT Formation Top Depth: 1.21 2.43 Formation End Depth: Formation End Depth UOM:

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006176478

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 1.21

 Plug Depth UOM:
 m

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006176479

 Layer:
 3

 Plug From:
 1.21

 Plug To:
 3.04

 Plug Depth UOM:
 m

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006176477

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:** 

Direct Push

**Method Construction:** Other Method Construction:

Pipe Information

1006176465 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

1006176472 Casing ID:

Layer: 1 Material: 5

**PLASTIC** Open Hole or Material: Depth From: 0 Depth To: 1.52 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

**Construction Record - Screen** 

Screen ID: 1006176473

Layer: 10 Slot: Screen Top Depth: 1.52 Screen End Depth: 3.04 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Hole Diameter

Hole ID: 1006176470

Diameter: 8.3 Depth From: 0 Depth To: 3.04 Hole Depth UOM: m Hole Diameter UOM: cm

**29** 1 of 3 ENE/145.0 73.7 / 0.80 **EVERT COMMUNICATIONS LIMITED** 

1296 CARLING AVE

OTTAWA ON K1Z 7K8

1974 Established: 4000 Plant Size (ft2): Employment:

--Details--

Description: MISCELLANEOUS PUBLISHING

SIC/NAICS Code: 2741 SCT

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) 2 of 3 ENE/145.0 Carlingwood Clinico Leasing Ltd. 29 73.7 / 0.80 **GEN** 1296 Carling Avenue Ottawa ON K1Z 7K8 ON6005999 Generator No: PO Box No: Status: Country: Approval Years: 06,07,08 Choice of Contact: Contam. Facility: Co Admin: Phone No Admin: MHSW Facility: SIC Code: 622111 General (except Paediatric) Hospitals SIC Description: Detail(s) Waste Class: 261 Waste Class Desc: **PHARMACEUTICALS** Waste Class: Waste Class Desc: PATHOLOGICAL WASTES 3 of 3 ENE/145.0 73.7 / 0.80 Carlingwood Clinico Leasing Ltd. 29 GEN 1296 Carling Avenue Ottawa ON K1Z 7K8 Generator No: ON6005999 PO Box No: Status: Country: Approval Years: 2009 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: 622111 SIC Code: General (except Paediatric) Hospitals SIC Description: Detail(s) Waste Class: Waste Class Desc: **PHARMACEUTICALS** Waste Class: PATHOLOGICAL WASTES Waste Class Desc: NNW/149.1 72.9 / 0.00 30 1 of 1 **WWIS** OTTAWA ON Well ID: 7267547 Data Entry Status: **Construction Date:** Data Src: Primary Water Use: Monitoring and Test Hole Date Received: 7/21/2016 Sec. Water Use: Selected Flag: Yes **Observation Wells** Final Well Status: Abandonment Rec: Water Type: Contractor: 7241 Casing Material: Form Version: Z229815 Audit No: Owner: Tag: A164404 Street Name: 1309 CARLING AVE **Construction Method:** County: OTTAWA-CARLETON **NEPEAN TOWNSHIP** Elevation (m): Municipality: Elevation Reliability: Site Info:

Lot:

Zone:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

Order No: 20200205796

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Flow Rate:

Depth to Bedrock:

Static Water Level:

Overburden/Bedrock:

Well Depth:

Pump Rate:

Flowing (Y/N):

Clear/Cloudy:

#### **Bore Hole Information**

**Bore Hole ID:** 1006166685 **Elevation:** 73.473114

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 442403

 Code OB Desc:
 North83:
 5026132

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

 Date Completed:
 6/7/2016
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: wwr Elevro Desc:

Overburden and Bedrock Materials Interval

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

**Formation ID:** 1006176501

Layer: 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 06 Other Materials: SILT Mat3: 85 SOFT Other Materials: Formation Top Depth: 1.21 Formation End Depth: 3.04 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 1006176500

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Other Materials:
 GRAVEL

Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0.31
Formation End Depth: 1.21
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 1006176503

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 34

TILL Most Common Material: 05

Other Materials:

CLAY

Mat3:

Other Materials:

Formation Top Depth: 5.48 Formation End Depth: 6.09 Formation End Depth UOM: m

## Overburden and Bedrock

Materials Interval

1006176502 Formation ID:

Layer: Color: General Color: **GREY** Mat1: 34 Most Common Material: TILL Mat2: 06 Other Materials: SILT Mat3: 85 Other Materials: SOFT Formation Top Depth: 3.04 Formation End Depth: 5.48 Formation End Depth UOM: m

## Overburden and Bedrock

Materials Interval

Formation ID: 1006176499

Layer: Color: 8 General Color: **BLACK** Mat1: 27 Most Common Material: **OTHER** Mat2: 11 **GRAVEL** Other Materials:

Mat3:

Other Materials:

Formation Top Depth: Formation End Depth: 0.31 Formation End Depth UOM: m

#### Annular Space/Abandonment

Sealing Record

Plug ID: 1006176511

Layer: Plug From: 0 0.31 Plug To: Plug Depth UOM:

### Annular Space/Abandonment

Sealing Record

Plug ID: 1006176512

2 Layer: Plug From: 0.31 Plug To: 4.26 Plug Depth UOM: m

#### Annular Space/Abandonment

Sealing Record

1006176513 Plug ID:

Layer: Plug From: 4.26 6.09 Plug To: Plug Depth UOM: m

Method of Construction & Well

**Method Construction ID: Method Construction Code:** 

**Method Construction:** Other Method Construction: Direct Push

Pipe Information

Pipe ID: 1006176498

Casing No:

Comment: Alt Name:

Construction Record - Casing

1006176506 Casing ID:

Layer: Material: **PLASTIC** Open Hole or Material: Depth From: Depth To: 4.57 4.03 Casing Diameter:

Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006176507

Layer: Slot: 10 Screen Top Depth: 4.57 Screen End Depth: 6.09 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Hole Diameter

Hole ID: 1006176504

Diameter: 8.3 Depth From: 0 Depth To: 6.09 Hole Depth UOM: m Hole Diameter UOM: cm

> 31 1 of 1 ESE/152.9 72.9 / 0.00 1262 Thames Street, Ottawa **PINC** ON

Incident ID: 2764128 Health Impact: No Incident No:

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

Property Damage:

Yes

Yes

7

Order No: 20200205796

FS-Pipeline Incident Type:

Status Code: Pipeline Damage Reason Est Service Interupt: Enforce Policy: Fuel Occurrence Tp: Pipeline Strike

Yes Natural Gas Public Relation: Fuel Type: No Tank Status: RC Established Pipeline System: 3369254 Depth: 36 Task No:

Spills Action Centre:

Pipe Material: Plastic PSIG: Method Details: E-mail 53 Fuel Category: Natural Gas Attribute Category: FS-Perform P-line Inc Invest

Date of Occurrence: 5/24/2011 0:00 Regulator Location: Outside

2011/06/28 Occurrence Start

Date:

Operation Type: Construction Site (pipeline strike) Pipeline Type: Service / Riser Distribution Pipeline Regulator Type: Service Regulator (up to 60 psi intake) 1262 Thames Street, Ottawa - 1/2" Pipeline Hit Summary:

Reported By: Stiles, Jeff - Enbridge

Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

Occurrence Desc: failed to daylight, expired locates Damage Reason: Excavation practices not sufficient

expired locate, did not maintain boundaries Notes:

NNE/155.4 **32** 1 of 1 72.9 / 0.00 **WWIS** OTTAWA ON

Well ID: 7267591 Data Entry Status:

**Construction Date:** Data Src:

Primary Water Use: Monitoring and Test Hole 7/21/2016 Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Monitoring and Test Hole Abandonment Rec: Water Type: Contractor: 7241

Casing Material: Form Version: Audit No: Z229820 Owner:

A164351 Street Name: 1309 CARLING AVE Tag: OTTAWA-CARLETON **Construction Method:** County:

Elevation (m): Municipality: **OTTAWA CITY** Elevation Reliability: Site Info: Depth to Bedrock: Lot:

Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Northing NAD83: Static Water Level:

Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy:

**Bore Hole Information** 

Bore Hole ID: 1006167070 Elevation: 73.653617

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 442466 Code OB Desc: North83: 5026140 Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC**:

Date Completed: 6/6/2016 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method: wwr Elevrc Desc:

Location Source Date:

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

Supplier Comment:

# Overburden and Bedrock

Materials Interval

**Formation ID:** 1006177228

Layer: 3 Color: General Color: **GREY** Mat1: 06 Most Common Material: SILT Mat2: 05 Other Materials: CLAY Mat3: 85 Other Materials: SOFT Formation Top Depth: 3.66 Formation End Depth: 7.32 Formation End Depth UOM: m

#### Overburden and Bedrock Materials Interval

**Formation ID:** 1006177227

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

Mat1: 06 Most Common Material: SILT Mat2: 05 Other Materials: CLAY Mat3: 85 Other Materials: SOFT Formation Top Depth: 2.13 Formation End Depth: 3.66 Formation End Depth UOM: m

#### Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006177226

Layer: Color: 6 General Color: **BROWN** Mat1: SAND Most Common Material: Mat2: 11 Other Materials: **GRAVEL** Mat3: 77 Other Materials: LOOSE Formation Top Depth: 0 Formation End Depth: 2.13 Formation End Depth UOM:

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006177236

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

#### Annular Space/Abandonment

Sealing Record

1006177237 Plug ID:

Layer: 2 Plug From: 0.31 5.49 Plug To: Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006177238

Layer: 3 5.49 Plug From: Plug To: 7.32 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:** 

**Method Construction:** Rotary (Convent.)

**Other Method Construction:** 

Pipe Information

Pipe ID: 1006177225

Casing No: Comment:

Alt Name:

**Construction Record - Casing** 

Casing ID: 1006177231

Layer: Material: 5 Open Hole or Material: **PLASTIC** Depth From: 0 Depth To: 5.79 Casing Diameter: 5.2

Casing Diameter UOM: cm Casing Depth UOM: m

**Construction Record - Screen** 

Screen ID: 1006177232 Layer:

10 Slot: Screen Top Depth: 5.79 Screen End Depth: 7.32 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.03

**Hole Diameter** 

Hole ID: 1006177229 Diameter: 20.95 Depth From:

Мар Кеу	Numbe Record		Elev/Diff (m)	Site		DB
Depth To:		7.32				
Hole Depth		m				
Hole Diame	ter UOM:	cm				
<u>33</u>	1 of 1	WSW/157.2	73.9 / 1.00	TRANSPORT TRUCK 1376 CARLING AVE. 1 (CARGO) OTTAWA CITY ON K1.		SPL
Ref No:		133672		Discharger Report:		
Site No:				Material Group:		
Incident Dt:		10/30/1996		Health/Env Conseq:		
Year: Incident Ca	use:	OTHER CONTAINER LEAK		Client Type: Sector Type:		
Incident Eve				Agency Involved:		
Contaminan				Nearest Watercourse:		
Contaminan Contaminan				Site Address: Site District Office:		
Contam Lim				Site Postal Code:		
Contaminan	•			Site Region:		
Environmen	•	NOT ANTICIPATED		Site Municipality: Site Lot:	20101	
Nature of Im Receiving M		LAND / WATER		Site Lot: Site Conc:		
Receiving E				Northing:		
MOE Respo				Easting:	FD	
Dt MOE Arv		10/30/1996		Site Geo Ref Accu: Site Map Datum:		
Dt Documer		10/00/1000		SAC Action Class:		
Incident Rea	ason:	OTHER		Source Type:		
Site Name: Site County, Site Geo Re Incident Sui Contaminan	f Meth: mmary:	GW FREIGHTWAY	'S-10 L CONC.J/	AVEX TO GROUND & SEWER	R FROM TRUCK,FLUSHED BY FD.	
<u>34</u>	1 of 2	NNW/157.4	71.9 / -1.00	NATIONAL GROCERS YOUR IND. GROCER 1321 CARLING AVENU OTTAWA ON K1Z7L3	S CO. LTD./WESTGATE UE	PES
Detail Licen	ce No:			Operator Box:		
Licence No:		10150		Operator Class:		
Status:	ato.			Operator No:		
Approval Da Report Soul		Legacy Licenses (Excluding	ΓS)	Operator Type: Oper Area Code:	613	
Licence Typ	e:	Retail Vendor Class 03	,	Oper Phone No:	7222284	
Licence Typ		21 03		Operator Ext:		
Licence Cla Licence Cor		03		Operator Lot: Oper Concession:		
Latitude:				Operator Region:		
Longitude:				Operator District:		
Lot: Concession	•			Operator County: Op Municipality:		
Region:	•			Post Office Box:		
District:				MOE District:		
County:				SWP Area Name:		
Trade Name PDF Link:						
34	2 of 2	NNW/157.4	71.9 / -1.00	NATIONAL GROCEPS	S CO LTD O/A WESTGATE	
<u></u>	_ 0, <u>_</u>	MIN WIT	, , , , , , , , , , , , , , , ,	INDEP GROCER	. CC 212 CM MEDIONIE	PES

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

> 1321 CARLING AVE(STORE CLOSED OCT 11/03) **OTTAWA ON K1Z7L3**

> > 416

4

22

2188044

Detail Licence No: 23-01-12166-0 12166 Licence No:

Status:

Approval Date:

Report Source:

Legacy Licenses (Excluding TS)

Limited Vendor Licence Type:

Licence Type Code: 23 Licence Class: 01 Licence Control: 0

Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name:

PDF Link:

Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District:

**Operator County:** Op Municipality: Post Office Box: **MOE District:** SWP Area Name:

Discharger Report: Material Group:

Health/Env Conseq: Client Type:

Agency Involved:

Site Postal Code:

Site Municipality:

Site Geo Ref Accu:

SAC Action Class:

Site Map Datum:

Source Type:

Nearest Watercourse:

Sector Type:

Site Address: Site District Office:

Site Region:

Site Lot:

Site Conc:

Northing:

Easting:

Operator Box:

Operator No:

Operator Class:

Operator Type:

Oper Area Code:

Oper Phone No:

35 1 of 1 SSE/158.3 73.9 / 1.00 **PRIVATE OWNER** 

IN FRONT OF 1292 THAMES STREET MOTOR

20101

FD

**VEHICLE (OPERATING FLUID)** OTTAWA CITY ON K1Z 7N4

Ref No: 173371 Site No:

Incident Dt: 10/2/1999

Year:

Incident Cause: CONTAINER OVERFLOW

Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freg 1:

Incident Event:

Contaminant UN No 1: Environment Impact:

**POSSIBLE** Water course or lake

Nature of Impact: Receiving Medium: Receiving Env:

MOE Response: Dt MOE Arvl on Scn:

**MOE** Reported Dt: **Dt Document Closed:** 

Incident Reason: Site Name:

Site County/District: Site Geo Ref Meth:

Incident Summary: Contaminant Qty:

1 of 1

PRIVATE AUTO-45 LITERS GASOLINE TO ROADWAY AND CATCHBASIN, FD.

LAND / WATER

10/2/1999

**UNKNOWN** 

WSW/161.3 73.9 / 1.00

Data Entry Status:

lot 33 con 1

ON

Data Src:

3/23/1949 Date Received: Selected Flag: Yes

Abandonment Rec:

Contractor:

Sec. Water Use: Final Well Status: Water Type:

106

36

Well ID:

Water Supply

1503974

Domestic

3728

erisinfo.com | Environmental Risk Information Services

**Construction Date:** 

Primary Water Use:

Order No: 20200205796

**WWIS** 

**SPL** 

Casing Material: Form Version: 1

Audit No: Owner:
Tag: Street Name:

 Construction Method:
 County:
 OTTAWA-CARLETON

 Elevation (m):
 Municipality:
 OTTAWA CITY (NEPEAN)

 Elevation Reliability:
 Site Info:

 Depth to Bedrock:
 Lot:
 033

 Well Depth:
 Concession:
 01

 Overburden/Bedrock:
 Concession Name:
 OF

Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Zone:
UTM Reliability:

**Bore Hole Information** 

 Bore Hole ID:
 10026017
 Elevation:
 74.851005

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 0
 East83:
 442290.7

Code OB Desc: Overburden North83: 5025922
Open Hole: Org CS:

Cluster Kind: UTMRC: 9

Date Completed:3/21/1948UTMRC Desc:unknown UTMRemarks:Location Method:p9

Elevrc Desc:
Location Source Date:

Overburden and Bedrock

**Materials Interval** 

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

**Formation ID:** 930998070

Layer: 2

Color: General Color:

*Mat1:* 11

Most Common Material: GRAVEL

Mat2: Other Materials:

Mat3: Other Materials:

Formation Top Depth: 39
Formation End Depth: 41

Formation End Depth UOM: 41

Overburden and Bedrock
Materials Interval

**Formation ID:** 930998069

Layer: 1
Color:

General Color:

*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

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction Code: Method Construction:

Cable Tool

**Other Method Construction:** 

Pipe Information

 Pipe ID:
 10574587

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

**Casing ID:** 930044767

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

ft

Results of Well Yield Testing

**Pump Test ID:** 991503974

Pump Set At:
Static Level: 1
Final Level After Pumping: 7
Recommended Pump Depth:

Pumping Rate: 7

Flowing Rate:

Recommended Pump Rate:

Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEAR

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N

Water Details

*Water ID:* 933457011

Layer: 1
Kind Code: 1

Water Found Depth: 1
Water Found Depth UOM: ft

37 1 of 1 \$/167.4 73.9 / 1.00 1308 Thames Ottawa ON

Map Key Number of Direction/ Elev/Diff Site DΒ

Records Distance (m) (m)

20131031036 Order No:

Status:

Report Type: Standard Report 11-NOV-13 Report Date: Date Received: 31-OCT-13

Previous Site Name:

0.10 hectares / 0.25 acres Lot/Building Size:

Additional Info Ordered:

Nearest Intersection:

Ottawa Municipality: Client Prov/State: ON Search Radius (km): .25

-75.735551 45.383539 Y:

1 of 1 E/180.5 74.0 / 1.09 lot I con A 38 **WWIS** ON

7152275 Well ID:

Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material:

Audit No: 239784

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: Yes

Data Src: Date Received: 10/4/2010 Selected Flag: Yes

Abandonment Rec:

Contractor: 6838 Form Version: 2

Owner: Street Name:

OTTAWA-CARLETON County: **OTTAWA CITY** Municipality:

Site Info:

Lot: Concession: OF Concession Name: Easting NAD83:

Northing NAD83:

Zone:

UTM Reliability:

**Bore Hole Information** 

1003342603 Bore Hole ID:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 9/30/2010

Remarks: Elevrc Desc:

Location Source Date:

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

1 of 1

Supplier Comment:

75.809959 Elevation:

Elevrc:

Zone: 18 East83: 442617 North83: 5025962 Org CS: UTM83 UTMRC:

UTMRC Desc: margin of error: 10 - 30 m

SCT

Order No: 20200205796

Location Method:

SW/185.6 73.9 / 1.00 Custom Plastics Inc. 1325 Thames St Ottawa ON K1Z 7N2

Established: 1998

Plant Size (ft2):

7 Employment:

--Details--

39

Description: All Other Plastic Product Manufacturing

326198 SIC/NAICS Code:

40 1 of 2 ESE/191.2 74.0 / 1.08 **WWIS** Ottawa ON

Well ID: 7194995

Construction Date:

Primary Water Use: Test Hole

Sec. Water Use:

Final Well Status: **Observation Wells** 

Water Type:

Casing Material:

Audit No: Z150548 A132248 Tag:

**Construction Method:** Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Pump Rate: Static Water Level:

Overburden/Bedrock: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

**Bore Hole Information** 

Bore Hole ID: 1004232669

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 4/17/2012

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

**Materials Interval** 

1004754223 Formation ID:

Layer:

Color:

General Color:

Mat1: 28 Most Common Material: SAND Mat2: 06 Other Materials: SILT Mat3: 11

GRAVEL Other Materials: Formation Top Depth: 3.65 Formation End Depth: 4.27 Formation End Depth UOM: m

Data Entry Status:

Data Src:

Date Received: 1/9/2013 Selected Flag: Yes

Abandonment Rec:

Contractor: 6964 Form Version: 7

Owner:

999 MERIVALE ROAD Street Name: OTTAWA-CARLETON County: Municipality: NEPEAN TOWNSHIP

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation: 75.971176

Elevrc:

Zone: 18 East83: 442621 5025931 North83: Org CS: UTM83

**UTMRC**:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20200205796

Location Method: wwr

Overburden and Bedrock

**Materials Interval** 

1004754222 Formation ID:

Layer: 2 Color: General Color: **GREY** 

Mat1:

Most Common Material:

Mat2:

GRAVEL Other Materials: Mat3: 28 Other Materials: SAND Formation Top Depth: 0 Formation End Depth: 3.65 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

1004754224 Formation ID:

Layer:

Color: General Color:

Mat1:

Most Common Material:

Mat2: 06 Other Materials: SILT Mat3: 05 Other Materials: CLAY Formation Top Depth: 4.27 Formation End Depth: 4.6 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1004754231

Layer: 1 Plug From: 0 0.85 Plug To: Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1004754232

Layer: Plug From: 0.85 Plug To: 4.6 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:** 

В

**Method Construction:** Other Method Other Method Construction: **HS AUGER** 

Pipe Information

**Pipe ID:** 1004754221

Casing No: Comment: Alt Name: 0

m

#### Construction Record - Casing

**Casing ID:** 1004754227

 Layer:
 1

 Material:
 5

 Open Hole or Material:
 PLASTIC

 Depth From:
 0

 Depth To:
 1.5

 Casing Diameter:
 5.2

 Casing Diameter UOM:
 cm

#### Construction Record - Screen

Casing Depth UOM:

 Screen ID:
 1004754228

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 1.5

Screen Top Depth:1.5Screen End Depth:4.6Screen Material:5Screen Depth UOM:mScreen Diameter UOM:cmScreen Diameter:6

#### Water Details

*Water ID*: 1004754226

Layer: 1

Kind Code:

Kind:

Water Found Depth: 2.49
Water Found Depth UOM: m

#### **Hole Diameter**

**Hole ID:** 1004754225

 Diameter:
 22

 Depth From:
 0

 Depth To:
 4.6

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

40 2 of 2 ESE/191.2 74.0 / 1.08 WWIS

7

Order No: 20200205796

Well ID: 7195098 Data Entry Status:

Construction Date:Data Src:Primary Water Use:Date Received:1/10/2013Sec. Water Use:Selected Flag:Yes

Final Well Status: Abandoned-Other Abandonment Rec: Yes Water Type: Contractor: 6964

Casing Material:Form Version:Audit No:Z150552Owner:

 Tag:
 A132248
 Street Name:
 999 MERIVALL ROAD

 Construction Method:
 County:
 OTTAWA-CARLETON

 Flowering (m):
 Municipality:
 NEREAL TOWNSULE.

Elevation (m):

Elevation Reliability:

NEPEAN TOWNSHIP

Site Info:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

#### **Bore Hole Information**

**Bore Hole ID:** 1004233266

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

**Date Completed:** 6/11/2012

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

\_\_\_\_

**Plug ID:** 1004747802

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.5

 Plug Depth UOM:
 m

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1004747803

 Layer:
 2

 Plug From:
 0.5

 Plug To:
 4.6

 Plug Depth UOM:
 m

#### Pipe Information

**Pipe ID:** 1004747795

Casing No:

Comment: Alt Name:

### Construction Record - Casing

**Casing ID:** 1004747799

Layer: Material:

Open Hole or Material:

Depth From:
Depth To:
Casing Diameter:

Casing Diameter UOM: cm

**Elevation:** 75.971176

Elevrc:

 Zone:
 18

 East83:
 442621

 North83:
 5025931

 Org CS:
 UTM83

UTMRC: 4

UTMRC Desc: margin of error : 30 m - 100 m

Location Method: ww

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

Casing Depth UOM:

Construction Record - Screen

Screen ID: 1004747800

m

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter:

Hole Diameter

1004747797 Hole ID:

Diameter: 22 Depth From: O Depth To: 4.6 Hole Depth UOM: m Hole Diameter UOM: cm

41 1 of 1 SSE/193.7 73.9 / 1.00 1279 Coldrey Ave **EHS** Ottawa ON K1Z7P6

Order No: 20180403148

Status: С

Report Type: Standard Report Report Date: 09-APR-18 03-APR-18 Date Received:

Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality:

Client Prov/State:

ON Search Radius (km): .25

-75.734545 X: Y: 45.383369

No

No

Yes

Yes

Yes

Transmission pipeline

FS-Perform P-line Inc Invest

Order No: 20200205796

No

31 Plastic

53

Outside

E/194.3 1 of 1 74.0 / 1.08 858 Merivale Road, Ottawa 42 **PINC** 

Health Impact:

**Environment Impact:** 

Property Damage:

Service Interupt:

Enforce Policy:

Public Relation:

Pipeline System:

Attribute Category:

Regulator Location:

Pipe Material:

Depth:

PSIG:

Incident ID: 2776488 Incident No: 619846

Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est

Fuel Occurrence Tp: Pipeline Strike Natural Gas Fuel Type: Tank Status: RC Established

Task No: 3397918

Spills Action Centre:

Method Details: E-mail

Fuel Category: Natural Gas

Date of Occurrence: 6/10/2011 0:00

Occurrence Start 2011/09/15

Date:

Construction Site (pipeline strike) Operation Type: Pipeline Type: Service / Riser Distribution Pipeline Service Regulator (up to 60 psi intake) Regulator Type: Summary: 858 Merivale Road, Ottawa - 1 1/4" Pipeline Hit

Stiles, Jeff - Enbridge Reported By:

Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Affiliation:

Occurrence Desc: Linestrike - Failed To Hand Dig Excavation practices not sufficient Damage Reason:

Notes: Failed To Hand Dig

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

S/199.1 1 of 1 73.9 / 1.00 1303 Coldrey Ave 43 **EHS** Ottawa ON K1Z7P6

ON

LOT 32

18

**NEPEAN** 45.384575

-75.737818

Order No: 20200205796

20160926070 Order No: Nearest Intersection: Status: С Municipality: Report Type: Standard Report Client Prov/State:

29-SEP-16 Search Radius (km): .25 Report Date: Date Received: 26-SEP-16 X: -75.735041 Y: 45.383249

Previous Site Name: Lot/Building Size: Additional Info Ordered:

> 1 of 1 ESE/201.0 73.1 / 0.22 878 Merivale Rd 44 **EHS** Ottawa ON K1Z5Z6

Order No: 20170724038 Nearest Intersection:

Status: Municipality: Standard Report ON Report Type: Client Prov/State: Report Date: 27-JUL-17 Search Radius (km):

.25 Date Received: 24-JUL-17 X: -75.732871 45.384405 Previous Site Name: Y: Lot/Building Size:

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

45 1 of 1 W/205.2 73.9 / 1.00 **BORE** ON

Borehole ID: 848113 Inclin FLG: No OGF ID: 215589761 Initial Entry SP Status:

Status: Decommissioned Surv Elev: No Type: Borehole Piezometer: No

Geotechnical/Geological Investigation Use: Primary Name:

Completion Date: 21-MAR-1975 Municipality: Static Water Level: Lot:

Primary Water Use: Township: Sec. Water Use: Latitude DD: Total Depth m: 18.4 Longitude DD:

Depth Ref: **Ground Surface** UTM Zone: Depth Elev:

442239 Easting: Drill Method: Diamond Drill 5025938 Northing: Orig Ground Elev m: 75.8 Location Accuracy:

Elev Reliabil Note: Within 20 metres Accuracy:

DEM Ground Elev m: 75.7 **CON 1 ON OTTAWA RIVER** Concession:

Location D: Survey D:

**Borehole Geology Stratum** 

Geology Stratum ID: 6559994 Mat Consistency: Material Moisture: Top Depth: 0 **Bottom Depth:** .2 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Topsoil Geologic Formation: Material 2: Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: TOPSOIL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Comments:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Geology Stratum ID: 6559999 Mat Consistency: Very Dense

Top Depth: 8.2 Material Moisture: Bottom Depth: 10.6 Material Texture: Material Color: Grey Non Geo Mat Type: Geologic Formation: Till Material 1: Material 2: Sand Geologic Group: Silt - Gravel Material 3: Geologic Period: Material 4: Clav - Cobbles Depositional Gen:

Gsc Material Description:

Stratum Description: VERY DENSE GREY SILTY SAND WITH GRAVEL TRACE CLAY, SOME COBBLES AND BOULDERS (TILL)

\*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559996 Mat Consistency: Loose

Top Depth: 1.5 Material Moisture: **Bottom Depth:** 1.9 Material Texture: Material Color: Non Geo Mat Type: Sand Geologic Formation: Material 1: Material 2: Silt Geologic Group: Material 3: Organic Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

Stratum Description: LOOSE ORGANIC SILTY SAND \*\*Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6559997 Mat Consistency: Firm

Top Depth: 1.9 Material Moisture: Bottom Depth: 4.9 Material Texture: Material Color: Non Geo Mat Type: Grey Geologic Formation: Material 1: Clay Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: FIRM GREY SILTY CLAY \*\*Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6559998 Mat Consistency: Compact

Top Depth: 4.9 Material Moisture: **Bottom Depth:** 8.2 Material Texture: Material Color: Grey Non Geo Mat Type: Geologic Formation: Material 1: Till Material 2: Silt - Sand Geologic Group: Material 3: Gravel Geologic Period: Material 4 Clay Depositional Gen:

Gsc Material Description:

Stratum Description: COMPACT TO VERY DENSE GREY SANDY SILT WITH GRAVEL, TRACE CLAY (TILL) \*\*Note: Many records

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:6560000Mat Consistency:Top Depth:10.6Material Moisture:

Bottom Depth: 18.4 Material Texture: Fine to Medium

Material Color:GreyNon Geo Mat Type:Material 1:BedrockGeologic Formation:Material 2:LimestoneGeologic Group:Material 3:ShaleGeologic Period:Material 4:DolomiteDepositional Gen:

Gsc Material Description:

Stratum Description: FAIRLY SOUND TO SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK SOME SHALE AND

DOLOMITE BANDS \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Order No: 20200205796

Geology Stratum ID: 6559995 Mat Consistency: Loose

Top Depth:.2Material Moisture:Bottom Depth:1.5Material Texture:Material Color:BrownNon Geo Mat Type:Material 1:FillGeologic Formation:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Material 2:SandGeologic Group:Material 3:SiltGeologic Period:Material 4:GravelDepositional Gen:

Gsc Material Description:

Stratum Description: LOOSE BROWN SILTY SAND, TRACE GRAVEL (FILL) \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

46 1 of 1 W/207.9 73.6 / 0.69
ON
BORE

Within 10 metres

Order No: 20200205796

Borehole ID: 847271 Inclin FLG: No 215588939 OGF ID: SP Status: Initial Entry Status: Decommissioned Surv Elev: No Type: Borehole Piezometer: No

Use: Geotechnical/Geological Investigation Primary Name: On-FEB-1958 Municipality:

 Static Water Level:
 2.6
 Lot:
 LOT 33

 Primary Water Use:
 Township:
 NEPEAN

 Sec. Water Use:
 Latitude DD:
 45.385412

 Total Depth m:
 14.6
 Longitude DD:
 -75.73788

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 442235

 Drill Method:
 Diamond Drill
 Northing:
 5026031

Drill Method:Diamond DrillNorthing:502Orig Ground Elev m:74.7Location Accuracy:

Orig Ground Elev m: 74.7 Location Ac Elev Reliabil Note: Accuracy:

Elev Reliabil Note:
DEM Ground Elev m: 78.4

Concession: CON 1 ON OTTAWA RIVER

Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 6556463 Mat Consistency: Soft

Top Depth: 2.3 Material Moisture:

Bottom Depth:3Material Texture:MediumMaterial Color:GreyNon Geo Mat Type:

Material 1:ClayGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: MEDIUM SOFT FISSURED GRAY CLAY \*\*Note: Many records provided by the department have a truncated

[Stratum Description] field.

Geology Stratum ID: 6556465 Mat Consistency: Loose

Top Depth: 4.6 Material Moisture: **Bottom Depth:** 6.1 Material Texture: Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation: Geologic Group: Material 2: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LOOSE TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6556467 Mat Consistency:
Top Depth: 9.9 Material Moisture:
Bottom Depth: 11.4 Material Texture:
Material Color: Non Geo Mat Type

Material Color:Non Geo Mat Type:Material 1:LimestoneGeologic Formation:Material 2:ShaleGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SHALEY LIMESTONE - CORE RECOVERY 59% \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

Geology Stratum ID: 6556466 Mat Consistency: Dense

Top Depth:6.1Material Moisture:Bottom Depth:9.9Material Texture:Material Color:Non Geo Mat Type

Material Color:Non Geo Mat Type:Material 1:TillGeologic Formation:Material 2:SandGeologic Group:Material 3:BouldersGeologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: BOULDERS IN DENSE SANDY TILL \*\*Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID:6556461Mat Consistency:LooseTop Depth:.3Material Moisture:Bottom Depth:1.2Material Texture:Fine

Bottom Depth: 1
Material Color:

Material Color:Non Geo Mat Type:Material 1:SandGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: LOOSE FINE SAND \*\*Note: Many records provided by the department have a truncated [Stratum Description]

field.

Geology Stratum ID: 6556468 Mat Consistency: Top Depth: 11.4 Material Moisture: **Bottom Depth:** 13.1 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Shale Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

Stratum Description: SHALEY LIMESTONE CORE RECOVERY 91% \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

Geology Stratum ID:6556460Mat Consistency:Top Depth:0Material Moisture:Bottom Depth:.3Material Texture:

Material Color:

Material 1:

Topsoil

Material 2:

Material 3:

Material 4:

Material 4:

Material Texture.

Non Geo Mat Type:

Geologic Formation:

Geologic Group:

Geologic Group:

Geologic Period:

Depositional Gen:

Gsc Material Description:

Stratum Description: TOPSOIL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

6556469 Geology Stratum ID: Mat Consistency: Top Depth: 13.1 Material Moisture: **Bottom Depth:** 14.6 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation: Geologic Group: Material 2: Shale Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: SHALEY LIMESTONE CORE RECOVERY 80% \*\*Note: Many records provided by the department have a

Depositional Gen:

Order No: 20200205796

truncated [Stratum Description] field.

Geology Stratum ID:6556464Mat Consistency:SoftTop Depth:3Material Moisture:Bottom Depth:4.6Material Texture:Medium

Material Color:GreyNon Geo Mat Type:Material 1:ClayGeologic Formation:Material 2:SiltGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: MEDIUM SOFT FISSURED SILTY GRAY CLAY \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

Geology Stratum ID: 6556462 Mat Consistency: Very Stiff

Top Depth: 1.2 Material Moisture: **Bottom Depth:** 2.3 Material Texture: Material Color: Brown-Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Geologic Group: Material 2: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: VERY STIFF FISSURED BROWNISH GRAY CLAY \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

47 1 of 38 NNE/211.9 72.9 / 0.00 GROCERY STORE

AT THE INDEPENDENT GROCERY STORE AT

1309 CARLING RD. OTTAWA CITY ON K1Z 7L3

Ref No: 73317 Discharger Report: Site No: Material Group: Incident Dt: 7/10/1992 Health/Env Conseq: Client Type: Year: Incident Cause: **UNKNOWN** Sector Type: Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address: Contaminant Limit 1:

Contaminant Name: Site Address:
Contaminant Limit 1: Site District Office:
Contam Limit Freq 1: Site Postal Code:
Contaminant UN No 1: Site Region:

Environment Impact: NOT ANTICIPATED Site Municipality: 20101

 Nature of Impact:
 Other
 Site Lot:

 Receiving Medium:
 LAND
 Site Conc:

 Receiving Env:
 Northing:

**UNKNOWN** 

MOE Response: Easting: WORKS DEPT.

Dt MOE Arvl on Scn:Site Geo Ref Accu:MOE Reported Dt:7/10/1992Site Map Datum:Dt Document Closed:SAC Action Class:

Incident Reason:

Site Name: Site County/District:

Site County/District: Site Geo Ref Meth:

INDEPENDENT GROCERY STORE- UNKNOWN LIQUID TO LAND FROM STORE'S BASEMENT.

Contaminant Qty:

47 2 of 38 NNE/211.9 72.9 / 0.00 WESTGATE HOME HARDWARE

1309 CARLING AVENUE OTTAWA ON K1Z 7L3 **PES** 

Order No: 20200205796

Source Type:

 Detail Licence No:
 Operator Box:

 Licence No:
 Operator Class:

 Status:
 Operator No:

 Approval Date:
 Operator Type:

 Report Source:
 Oper Area Code:

Licence Type: Vendor Oper Phone No: Licence Type Code: Operator Ext:

Map Key Number Records				Elev/Diff (m)	Site	DB
Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:					Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
<u>47</u>	3 of 38		NNE/211.9	72.9 / 0.00	R. WHITE (SEE & USE ON2588408) 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON2572 00,01 6031	2800 PHARMACIES		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u> Waste Class Waste Class			261 PHARMACEUTIC	ALS		
Waste Class: Waste Class Desc:			312 PATHOLOGICAL WASTES			
<u>47</u>	4 of 38		NNE/211.9	72.9 / 0.00	SHOPPERS DRUG MART 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator N Status: Approval Ye Contam. Faci MHSW Faci SIC Code: SIC Descrip	ears: cility: lity:	ON2588 00,01 6031	9408 PHARMACIES		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class: Waste Class Desc:			261 PHARMACEUTIC	ALS		
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES				
<u>47</u>	5 of 38		NNE/211.9	72.9 / 0.00	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z 7L3	PES
Detail Licen Licence No: Status: Approval Da	:				Operator Box: Operator Class: Operator No: Operator Type:	

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) Report Source: Oper Area Code: Licence Type: Limited Vendor Oper Phone No: Licence Type Code: Operator Ext: Licence Class: Operator Lot: Licence Control: Oper Concession: Latitude: Operator Region: Longitude: Operator District: Lot: **Operator County:** Concession: Op Municipality: Region: Post Office Box: District: MOE District: County: SWP Area Name: Trade Name: PDF Link: **RIOCAN HOLDINGS INC** 47 6 of 38 NNE/211.9 72.9 / 0.00 **GEN** 1309 CARLING AVENUE **OTTAWA ON K1Z 7L3** ON6325224 PO Box No: Generator No: Status: Country: Approval Years: 05 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: 531310 SIC Code: SIC Description: Real Estate Property Managers Detail(s) Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES Waste Class: Waste Class Desc: **OIL SKIMMINGS & SLUDGES** NNE/211.9 72.9 / 0.00 47 7 of 38 Appletree Medical Management Group Inc. **GEN** 1309 Carling Avenue Ottawa ON K1Z 7L3 PO Box No: Generator No: ON9362784 Status: Country: 06,07,08 Choice of Contact: Approval Years: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals Detail(s) Waste Class: 261

Waste Class Desc: **PHARMACEUTICALS** 

Waste Class:

Waste Class Desc: PATHOLOGICAL WASTES

47 8 of 38 NNE/211.9 72.9 / 0.00

SHOPPERS DRUG MART #0628 (WESTGATE **SHOPPING CENTRE)** 

**PES** 

Order No: 20200205796

1309 CARLING AVE OTTAWA ON K1Z 7L3

Detail Licence No: Operator Box:

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence No: Status: Approval Dat Report Source Licence Type Licence Class Licence Cont Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	ce: e: e: Code: s: trol:	Vendor			Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
<u>47</u>	9 of 38		NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No Status: Approval Yea Contam. Faci MHSW Facilit	ars: ility:	ON93627 2009	784		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
SIC Code: SIC Descripti	ion:	622111	General (except Pa	aediatric) Hospitals		
Detail(s)						
Waste Class: Waste Class			261 PHARMACEUTICA	ALS		
Waste Class: Waste Class			312 PATHOLOGICAL V	WASTES		
<u>47</u>	10 of 38		NNE/211.9	72.9 / 0.00	riocan management 1309 carling ave ottawa ON K1Z 7L3	GEN
Generator No Status:	<b>)</b> :	ON92770	081		PO Box No: Country:	
Approval Yea		2010			Choice of Contact: Co Admin:	
Contam. Facility: MHSW Facility: SIC Code: SIC Description:		531120 Lessors of Non-Residential Buildings (e			Phone No Admin:	
<u>Detail(s)</u>						
Waste Class: Waste Class			221 LIGHT FUELS			
<u>47</u>	11 of 38		NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: Status:		ON93627	784		PO Box No: Country:	

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 2010 Choice of Contact: Approval Years: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals Detail(s) Waste Class: 261 Waste Class Desc: **PHARMACEUTICALS** Waste Class: PATHOLOGICAL WASTES Waste Class Desc: 47 12 of 38 NNE/211.9 72.9 / 0.00 Narmin Jalaldin Drugs Mart Limited GEN 1309 Carling Avenue Ottawa ON K1Z 7L3 ON8397469 Generator No: PO Box No: Status: Country: Approval Years: 2011 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: 446110, 446120 SIC Code: SIC Description: 47 13 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc. GEN 1309 Carling Avenue Ottawa ON K1Z 7L3 Generator No: ON9362784 PO Box No: Status: Country: Approval Years: 2011 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: 622111 SIC Code: General (except Paediatric) Hospitals SIC Description: Detail(s) Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES Waste Class: 261 Waste Class Desc: **PHARMACEUTICALS** 47 14 of 38 NNE/211.9 72.9 / 0.00 SHOPPERS DRUG MART #0628 (WESTGATE PES SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z7L3 Detail Licence No: Operator Box: Operator Class: Licence No: 13127 Status: Operator No: Approval Date: Operator Type: Report Source: Legacy Licenses (Excluding TS) Oper Area Code: 613 Limited Vendor Oper Phone No: 7224277

Licence Type: Limited Vendor Licence Type Code: 23

Licence Class: 01
Licence Control:
Latitude:

Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:

Order No: 20200205796

Longitude:

Lot: Operator County:
Concession: Op Municipality:
Region: Post Office Box:
District: MOE District:

County: Trade Name: PDF Link:

47 15 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc.

1309 Carling Avenue Ottawa ON K1Z 7L3

SWP Area Name:

Generator No: ON9362784 PO Box No: Status: Country:

Approval Years: 2012 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:

**SIC Code:** 622111

SIC Description: General (except Paediatric) Hospitals

Detail(s)

Waste Class: 261

Waste Class Desc: PHARMACEUTICALS

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

47 16 of 38 NNE/211.9 72.9 / 0.00 Riocan Management

1309 Carling Ave Ottawa ON

Generator No: ON9277081 PO Box No: Status: Country:

Approval Years: 2012 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:

**SIC Code:** 531120

SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)

Detail(s)

Waste Class: 221

Waste Class Desc: LIGHT FUELS

47 17 of 38 NNE/211.9 72.9 / 0.00 Riocan Management GEN

1309 Carling Ave Ottawa ON

Order No: 20200205796

 Generator No:
 ON9277081
 PO Box No:

Status: Country:
Approval Years: 2013 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:

**SIC Code:** 531120, 531310

SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES), REAL ESTATE PROPERTY

**MANAGERS** 

Detail(s)

Elev/Diff Number of Site DΒ Map Key Direction/ Records Distance (m) 122 Waste Class: Waste Class Desc: ALKALINE WASTES - OTHER METALS Waste Class: Waste Class Desc: HALOGENATED PESTICIDES Waste Class: Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES Waste Class: 331 Waste Class Desc: WASTE COMPRESSED GASES Waste Class: Waste Class Desc: ACID WASTE - HEAVY METALS Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS Waste Class: 221 Waste Class Desc: LIGHT FUELS Waste Class: Waste Class Desc: OIL SKIMMINGS & SLUDGES Waste Class: 213 PETROLEUM DISTILLATES Waste Class Desc: Waste Class: WASTE OILS & LUBRICANTS Waste Class Desc: 18 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc. 47 **GEN** 1309 Carling Avenue Ottawa ON Generator No: ON9362784 PO Box No: Status: Country: Approval Years: 2013 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code: 622111 GENERAL (EXCEPT PAEDIATRIC) HOSPITALS SIC Description: Detail(s) Waste Class: Waste Class Desc: **PHARMACEUTICALS** Waste Class: 312 PATHOLOGICAL WASTES Waste Class Desc: 47 19 of 38 NNE/211.9 72.9 / 0.00 1309 Carling Ave **EHS** Ottawa ON K1Z0A5 Order No: Nearest Intersection: 20150611005 Status: Municipality: Report Type: Client Prov/State: ON **Custom Report** Report Date: 17-JUN-15 Search Radius (km): .25 -75.734321 X:

Y:

45.386501

Order No: 20200205796

11-JUN-15 Date Received:

Previous Site Name: Lot/Building Size:

Additional Info Ordered: Topographic Maps

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) Appletree Medical Management Group Inc. 20 of 38 NNE/211.9 72.9 / 0.00 47 **GEN** 1309 Carling Avenue Ottawa ON K1Z 7L3 ON9362784 Generator No: PO Box No: Status: Country: Canada 2016 CO\_OFFICIAL Approval Years: Choice of Contact: Contam. Facility: No Co Admin: Phone No Admin: MHSW Facility: No 622111 SIC Code: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS SIC Description: Detail(s) Waste Class: 261 Waste Class Desc: **PHARMACEUTICALS** Waste Class: Waste Class Desc: PATHOLOGICAL WASTES 47 21 of 38 NNE/211.9 72.9 / 0.00 Westgate Dental Partnership, 1041255 Ontario GEN 6-1309 Carling Avenue Ottawa ON K1Z 7L3 ON4526295 Generator No: PO Box No: Country: Canada Status: Approval Years: 2016 Choice of Contact: CO\_OFFICIAL Diane Lenihan Contam. Facility: No Co Admin: MHSW Facility: Phone No Admin: 613-761-1203 Ext. No SIC Code: 621210 SIC Description: OFFICES OF DENTISTS Detail(s) Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES 47 22 of 38 NNE/211.9 72.9 / 0.00 Narmin Jalaldin Drugs Ltd. **GEN** 1309 CARLING AVE Ottawa ON K1Z 7L3 Generator No: ON8867865 PO Box No: Status: Country: Canada Approval Years: 2016 Choice of Contact: CO\_ADMIN Nastran Najafi-Fard Contam. Facility: No Co Admin: MHSW Facility: No Phone No Admin: 416-493-1220 Ext.3218 SIC Code: 446110 SIC Description: 446110 Detail(s) Waste Class: 261

47 23 of 38 NNE/211.9 72.9 / 0.00

PATHOLOGICAL WASTES

**PHARMACEUTICALS** 

Riocan Holdings Inc.

1309 Carling Ave

**GEN** 

Order No: 20200205796

312

Waste Class Desc:

Waste Class Desc:

Waste Class:

Elev/Diff Site DΒ Map Key Number of Direction/ (m)

Records Distance (m)

Ottawa ON K1Z 7L3

Generator No: ON9277081 PO Box No:

Canada Status: Country: CO\_OFFICIAL Approval Years: 2016 Choice of Contact: Contam. Facility: No Co Admin: Kelly Sheffield 613-722-3433 Ext.23 No MHSW Facility: Phone No Admin:

531190, 531310, 531390 SIC Code:

SIC Description: 531190, REAL ESTATE PROPERTY MANAGERS, OTHER ACTIVITIES RELATED TO REAL ESTATE

Detail(s)

Waste Class: 145

PAINT/PIGMENT/COATING RESIDUES Waste Class Desc:

Waste Class:

Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 251

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

Waste Class: 122

ALKALINE WASTES - OTHER METALS Waste Class Desc:

Waste Class:

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class:

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class:

ORGANIC LABORATORY CHEMICALS Waste Class Desc:

Waste Class:

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 221

Waste Class Desc: LIGHT FUELS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

47 24 of 38 NNE/211.9 72.9 / 0.00 Westgate Dental Partnership, 1041255 Ontario **GEN** 

6-1309 Carling Avenue

Choice of Contact:

Phone No Admin:

Canada

CO OFFICIAL

Diane Lenihan

613-761-1203 Ext.

PO Box No:

Country:

Co Admin:

Ottawa ON K1Z 7L3

ON4526295 Generator No:

Status:

2015 Approval Years: Contam. Facility: No MHSW Facility: No

SIC Code: 621210

OFFICES OF DENTISTS SIC Description:

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

25 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc. 47 **GEN** 

1309 Carling Avenue

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Ottawa ON K1Z 7L3

Generator No: ON9362784 PO Box No:

Status:Country:CanadaApproval Years:2015Choice of Contact:CO\_OFFICIAL

Contam. Facility:NoCo Admin:Di LuMHSW Facility:NoPhone No Admin:613-726-3559 Ext.26

**SIC Code:** 622111

SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261

Waste Class Desc: PHARMACEUTICALS

47 26 of 38 NNE/211.9 72.9 / 0.00 Riocan REIT 1309 Carling Ave

Ottawa ON K1Z 7L3

Order No: 20200205796

Generator No: ON9277081 PO Box No:

Status:Country:CanadaApproval Years:2015Choice of Contact:CO\_OFFICIALContam. Facility:NoCo Admin:Kelly SheffieldMHSW Facility:NoPhone No Admin:613-722-3433 Ext.23

**SIC Code:** 531190, 531310, 531390

SIC Description: 531190, REAL ESTATE PROPERTY MANAGERS, OTHER ACTIVITIES RELATED TO REAL ESTATE

Detail(s)

Waste Class: 221

Waste Class Desc: LIGHT FUELS

Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 242

Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 112

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 263

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Number of Direction/ Elev/Diff Site DΒ Map Key

> Records Distance (m) (m)

Narmin Jalaldin Drugs Ltd. 47 27 of 38 NNE/211.9 72.9 / 0.00 1309 CARLING AVE

Ottawa ON K1Z 7L3

Choice of Contact:

Phone No Admin:

Canada

CO\_ADMIN

Nastran Najafi-Fard

416-493-1220 Ext.3218

PO Box No:

Co Admin:

Country:

**GEN** 

Order No: 20200205796

Generator No: ON8867865

Status: Approval Years: 2015 No Contam. Facility: No MHSW Facility:

SIC Code: 446110

SIC Description: 446110

Detail(s)

Waste Class: 261

Waste Class Desc: **PHARMACEUTICALS** 

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

28 of 38 NNE/211.9 72.9 / 0.00 47 Riocan REIT **GEN** 

1309 Carling Ave Ottawa ON K1Z 7L3

Generator No: ON9277081 PO Box No:

Status: Country: Canada Approval Years: 2014 Choice of Contact: CO\_OFFICIAL Contam. Facility: No Co Admin: Kelly Sheffield MHSW Facility: No Phone No Admin: 613-722-3433 Ext.23

SIC Code: 531190, 531310, 531390

531190, REAL ESTATE PROPERTY MANAGERS, OTHER ACTIVITIES RELATED TO REAL ESTATE SIC Description:

Detail(s)

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class:

HALOGENATED PESTICIDES Waste Class Desc:

Waste Class: 331

WASTE COMPRESSED GASES Waste Class Desc:

Waste Class:

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 221

LIGHT FUELS Waste Class Desc:

Waste Class: 263

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

47 29 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc.

1309 Carling Avenue Ottawa ON K1Z 7L3 **GEN** 

Order No: 20200205796

Generator No: ON9362784 PO Box No:

Status:Country:CanadaApproval Years:2014Choice of Contact:CO\_OFFICIAL

Contam. Facility: No Co Admin: Di Lu

MHSW Facility: No Phone No Admin: 613-726-3559 Ext.26

**SIC Code:** 622111

SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261

Waste Class Desc: PHARMACEUTICALS

47 30 of 38 NNE/211.9 72.9 / 0.00 Westgate Dental Partnership, 1041255 Ontario

Inc

6-1309 Carling Avenue Ottawa ON K1Z 7L3

Generator No: ON4526295 PO Box No:

Status:Country:CanadaApproval Years:2014Choice of Contact:CO\_OFFICIALContam. Facility:NoCo Admin:Diane LenihanMHSW Facility:NoPhone No Admin:613-761-1203 Ext.

**SIC Code:** 621210

SIC Description: OFFICES OF DENTISTS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

47 31 of 38 NNE/211.9 72.9 / 0.00 Riocan Holdings Inc. 1309 Carling Ave

Ottawa ON K1Z 7L3

Generator No: ON9277081 PO Box No: Status: Registered Country:

Status:RegisteredCountry:CanadaApproval Years:As of Dec 2018Choice of Contact:

Contam. Facility:

MHSW Facility:

SIC Code:

SIC Description:

Co Admin:

Phone No 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: 145 I

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 213 I Waste Class: Waste Class Desc: Petroleum distillates Waste Class: 221 L Waste Class Desc: Light fuels Waste Class: 242 A Waste Class Desc: Halogenated pesticides and herbicides Waste Class: 251 L Waste Class Desc: Waste oils/sludges (petroleum based) Waste Class: 252 L Waste Class Desc: Waste crankcase oils and lubricants Waste Class: 263 I Waste Class Desc: Misc. waste organic chemicals Waste Class: 331 I Waste Class Desc: Waste compressed gases including cylinders 47 32 of 38 NNE/211.9 72.9 / 0.00 Narmin Jalaldin Drugs Ltd. **GEN** 1309 CARLING AVE Ottawa ON K1Z 7L3 Generator No: ON8867865 PO Box No: Status: Registered Country: Canada Approval Years: As of Dec 2018 Choice of Contact: Co Admin: Contam. Facility: MHSW Facility: Phone No Admin: SIC Code: SIC Description: Detail(s) 261 A Waste Class: Waste Class Desc: Pharmaceuticals Waste Class: 312 P Waste Class Desc: Pathological wastes 72.9 / 0.00 33 of 38 NNE/211.9 Westgate Dental Partnership, 1041255 Ontario 47 GEN 6-1309 Carling Avenue Ottawa ON K1Z 7L3 ON4526295 Generator No: PO Box No: Registered Canada Status: Country: As of Dec 2018 Choice of Contact: Approval Years: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code: SIC Description: Detail(s) Waste Class: Waste Class Desc: Pathological wastes 47 34 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc. **GEN** 

1309 Carling Avenue Ottawa ON K1Z 7L3

Generator No: ON9362784
Status: Registered

Contam. Facility: MHSW Facility: SIC Code: SIC Description:

Approval Years:

PO Box No: Country:

Choice of Contact: Co Admin: Phone No Admin: Canada

**GEN** 

Order No: 20200205796

Detail(s)

Waste Class: 261 A

Waste Class Desc: Pharmaceuticals

Waste Class: 312 P

Waste Class Desc: Pathological wastes

As of Oct 2019

As of Dec 2018

47 35 of 38 NNE/211.9 72.9 / 0.00 Narmin Jalaldin Drugs Ltd. 1309 CARLING AVE

Generator No: ON8867865 Status: Registered

Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: PO Box No: Country: Canada

Ottawa ON K1Z 7L3

Choice of Contact: Co Admin: Phone No Admin:

Detail(s)

Waste Class: 312 P

Waste Class Desc: Pathological wastes

Waste Class: 261 A

Waste Class Desc: Pharmaceuticals

47 36 of 38 NNE/211.9 72.9 / 0.00 Riocan Holdings Inc.

1309 Carling Ave Ottawa ON K1Z 7L3

Canada

PO Box No:

Generator No: ON9277081 Status: Registered

Approval Years: Registered
Approval Years: As of Oct 2019
Contam. Facility:
MHSW Facility:

ered Country:
Oct 2019 Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

SIC Code: SIC Description:

Waste Class: 263 l

Waste Class Desc: Misc. waste organic chemicals

Waste Class: 242 A

Waste Class Desc: Halogenated pesticides and herbicides

Waste Class: 331 I

Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Map Key Number of Direction/ Elev/Diff Site DB

Waste Class: 145 I

Records

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Distance (m)

(m)

Waste Class: 251 L

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 221 L
Waste Class Desc: Light fuels

Waste Class: 213 I

Waste Class Desc: Petroleum distillates

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)

47 37 of 38 NNE/211.9 72.9 / 0.00 Westgate Dental Partnership, 1041255 Ontario

Inc.

6-1309 Carling Avenue Ottawa ON K1Z 7L3

Generator No: ON4526295 PO Box No:

Status: Registered Approval Years: As of Oct 2019

Contam. Facility: MHSW Facility: SIC Code: SIC Description: Country: Canada

Choice of Contact: Co Admin: Phone No Admin:

Detail(s)

Waste Class: 312 P

Waste Class Desc: Pathological wastes

47 38 of 38 NNE/211.9 72.9 / 0.00 Appletree Medical Management Group Inc. 1309 Carling Avenue

Ottawa ON K1Z 7L3

Generator No: ON9362784
Status: Registered
Approval Years: As of Oct 2019

Contam. Facility: MHSW Facility: SIC Code: SIC Description: PO Box No: Country: Canada

Order No: 20200205796

Choice of Contact: Co Admin: Phone No Admin:

Detail(s)

Waste Class: 312 P

Waste Class Desc: Pathological wastes

Waste Class: 261 A

Waste Class Desc: Pharmaceuticals

48 1 of 1 E/212.2 73.9 / 1.01 WWIS

Well ID: 7217444 Data Entry Status:

Construction Date: Data Entry Status.

erisinfo.com | Environmental Risk Information Services

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

Primary Water Use:

Sec. Water Use:

Final Well Status: Test Hole

Water Type:

Casing Material:

Audit No: Z179979 Tag: A157824

**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:

Monitoring and Test Hole

Date Received: Selected Flag:

Abandonment Rec:

Contractor: Form Version:

Owner:

Street Name: County: Municipality: Site Info:

Lot: Northing NAD83:

Concession: Concession Name: Easting NAD83:

Zone: UTM Reliability:

**Bore Hole Information** 

1004719532 Bore Hole ID:

DP2BR: Spatial Status:

Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 2/14/2014

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

**Materials Interval** 

1005094391 Formation ID:

Layer: 3 Color: **GREY** General Color: Mat1: 28 SAND Most Common Material: Mat2: 06 Other Materials: SILT Mat3: 85 SOFT Other Materials: Formation Top Depth: 3.1 Formation End Depth: 6.1 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1005094389

Layer:

Color: 6

General Color: **BROWN** Mat1: 11 Most Common Material:

**GRAVEL** 

76.384262 Elevation:

Elevrc:

18 Zone: East83: 442649 5026012 North83: Org CS: UTM83

UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20200205796

3/13/2014

848 MERIVALE RD

OTTAWA-CARLETON

**NEPEAN TOWNSHIP** 

Yes

7241

7

Location Method:

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

 Mat2:
 28

 Other Materials:
 SAND

 Mat3:
 85

 Other Materials:
 SOFT

 Formation Top Depth:
 0

 Formation End Depth:
 0.61

 Formation End Depth UOM:
 m

### Overburden and Bedrock Materials Interval

**Formation ID:** 1005094390

Layer: Color: 2 **GREY** General Color: Mat1: 06 Most Common Material: SILT Mat2: 05 Other Materials: CLAY Mat3: 85 SOFT Other Materials: Formation Top Depth: 0.61 Formation End Depth: 3.1 Formation End Depth UOM: m

### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1005094400

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 2.74

 Plug Depth UOM:
 m

# Annular Space/Abandonment

Sealing Record

**Plug ID:** 1005094399

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 1005094401

 Layer:
 3

 Plug From:
 2.74

 Plug To:
 6.1

 Plug Depth UOM:
 m

# Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

# Pipe Information

Order No: 20200205796

D

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

Pipe ID: 1005094388

Casing No: 0

Comment: Alt Name:

### **Construction Record - Casing**

Casing ID: 1005094394

Layer: Material: 5 Open Hole or Material: **PLASTIC** Depth From: 0 Depth To: 3.1 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

### **Construction Record - Screen**

1005094395 Screen ID: Layer:

Slot: 10 Screen Top Depth: 3.1 Screen End Depth: 6.1 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

### **Hole Diameter**

Hole ID: 1005094392 Diameter: 8.25 Depth From: Depth To: 6.1 Hole Depth UOM: m Hole Diameter UOM: cm

72.9 / 0.00 49 1 of 1 NW/214.9 **BORE** ON

Borehole ID: 612935 OGF ID: 215514241

79.5

Status: Borehole Type: Use:

Completion Date:

Static Water Level: 19.4

Primary Water Use: Sec. Water Use:

Total Depth m:

Depth Ref: **Ground Surface** 

Depth Elev: Drill Method:

Orig Ground Elev m: 74.6 Elev Reliabil Note:

DEM Ground Elev m: Concession: Location D: Survey D: Comments:

Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality:

Lot:

Township: Latitude DD:

45.386508 Longitude DD: -75.737055 UTM Zone: 18 Easting: 442301 Northing: 5026152

Location Accuracy:

Not Applicable Accuracy:

Elev/Diff Site DΒ Map Key Number of Direction/

Records Distance (m) (m)

**Borehole Geology Stratum** 

Geology Stratum ID: 218393044 Mat Consistency: Soft

Top Depth: 2.3 Material Moisture: Bottom Depth: 6.1 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

CLAY. GREY, SOFT. Stratum Description:

Geology Stratum ID: 218393041 Mat Consistency: Top Depth: Material Moisture: 0 Bottom Depth: Material Texture: .3 Material Color: Non Geo Mat Type: Material 1: Soil

Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

SOIL. Stratum Description:

Geology Stratum ID: 218393045 Mat Consistency: Loose

Top Depth: 6.1 Material Moisture: **Bottom Depth:** 7.8 Material Texture: Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation: Geologic Group: Material 2:

Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Top Depth:

Stratum Description: TILL. LOOSE.

7.8

218393046 Geology Stratum ID: Mat Consistency: Dense

Bottom Depth: Material Texture: Material Color: Non Geo Mat Type: Till Material 1: Geologic Formation: Material 2: Geologic Group: Material 3:

Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

TILL. FIRM. WATER STABLE AT 181.4 FEET.BOULDERS. VERY DENSE. 00000 015 00040 030 00095 \*\*Note: Stratum Description:

Many records provided by the department have a truncated [Stratum Description] field.

Material Moisture:

Geology Stratum ID: 218393042 Mat Consistency: Loose

Top Depth: Material Moisture: .3 .9 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation:

Geologic Group: Material 2: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: SAND. LOOSE.

218393043 Stiff Geology Stratum ID: Mat Consistency:

Material Moisture: Top Depth: .9 Bottom Depth: 2.3 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Geologic Group: Material 2:

Number of Elev/Diff Site DΒ Map Key Direction/

> Records Distance (m) (m)

Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY. GREY, STIFF.

<u>Source</u>

Spatial/Tabular Source Type: **Data Survey** Source Appl:

Source Orig: Geological Survey of Canada Source Iden: 1 Source Date: 1956-1972 Scale or Res: Varies NAD27 Confidence: Н Horizontal:

Observatio: Verticalda: Mean Average Sea Level

Urban Geology Automated Information System (UGAIS) Source Name: Source Details: File: OTTAWA2.txt RecordID: 054430 NTS Sheet: 31G05G

Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier: 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

Urban Geology Automated Information System (UGAIS) Source Name:

Geological Survey of Canada Source Originators:

**50** 1 of 1 W/216.3 73.6 / 0.69 **BORE** ON

Primary Name:

Within 10 metres

Order No: 20200205796

Municipality:

Borehole ID: 847269 Inclin FLG: No OGF ID: 215588937 SP Status: Initial Entry Decommissioned Surv Elev: Status: No Type: Borehole Piezometer: No

Geotechnical/Geological Investigation Use:

Completion Date: 01-FEB-1958

Static Water Level: 2.7 Lot: LOT 32 Primary Water Use: Township: **NEPEAN** Sec. Water Use: Latitude DD: 45.385285

Longitude DD: Total Depth m: 13.4 -75.738019 Depth Ref: **Ground Surface** UTM Zone: 18

Depth Elev: Easting: 442224 Drill Method: Diamond Drill Northing: 5026017

Orig Ground Elev m: 74.7 Location Accuracy:

Elev Reliabil Note: Accuracy:

79 **DEM Ground Elev m:** 

CON 1 ON OTTAWA RIVER Concession: Location D:

Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 6556436 Mat Consistency: Soft

Top Depth: 3.5 Material Moisture: **Bottom Depth:** 4.1 Material Texture: Material Color: Grey Non Geo Mat Type: Geologic Formation: Material 1: Clay Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

SOFT SILTY GRAY CLAY \*\*Note: Many records provided by the department have a truncated [Stratum Stratum Description:

Description] field.

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

Geology Stratum ID: 6556438 Mat Consistency: Dense

Top Depth: 6.1 Material Moisture:

Bottom Depth: 6.9 Material Texture: Medium Material Color: Non Geo Mat Type:

Till Material 1: Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

MEDIUM DENSE TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description] Stratum Description:

field.

6556439 Geology Stratum ID: Mat Consistency: Dense

Top Depth: 6.9 Material Moisture: **Bottom Depth:** 9.8 Material Texture: Material Color: Non Geo Mat Type: Till Geologic Formation: Material 1: Material 2: Sand Geologic Group: Material 3: Geologic Period: Depositional Gen:

Material 4: Gsc Material Description:

DENSE SANDY TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description] Stratum Description:

field.

Geology Stratum ID: 6556433 Mat Consistency: Loose

Top Depth: .3 Material Moisture:

Bottom Depth: 1.1 Material Texture: Fine

Material Color:

Non Geo Mat Type: Geologic Formation: Material 1: Sand Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

LOOSE FINE SAND WITH SILT \*\*Note: Many records provided by the department have a truncated [Stratum Stratum Description:

Description] field.

Geology Stratum ID: 6556435 Mat Consistency: Soft

Top Depth: 2 Material Moisture:

**Bottom Depth:** 3.5 Material Texture: Medium

Material Color: Grey Non Geo Mat Type: Geologic Formation: Material 1: Clay Material 2: Geologic Group: Material 3: Geologic Period: Material 4 Depositional Gen:

Gsc Material Description:

MEDIUM SOFT FISSURED GRAY CLAY \*\*Note: Many records provided by the department have a truncated Stratum Description:

[Stratum Description] field.

Geology Stratum ID: 6556434 Mat Consistency: Very Stiff

Top Depth: 1.1 Material Moisture: **Bottom Depth:** Material Texture: 2 Material Color: Brown-Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2 Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

VERY STIFF FISSURED BROWNISH GRAY CLAY \*\*Note: Many records provided by the department have a Stratum Description:

Order No: 20200205796

truncated [Stratum Description] field.

Geology Stratum ID: 6556437 Mat Consistency: Very Loose

Top Depth: Material Moisture: 4.1 **Bottom Depth:** 6.1 Material Texture: Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation: Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: VERY LOOSE TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6556440 Mat Consistency: Top Depth: 9.8 Material Moisture: **Bottom Depth:** 11.2 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Shale Geologic Group:

Material 2:ShaleGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SHALY LIMESTONE AND SHALE CORE RECOVERY 78% \*\*Note: Many records provided by the department

have a truncated [Stratum Description] field.

Geology Stratum ID: 6556432 Mat Consistency:
Top Depth: 0 Material Moisture:
Bottom Depth: .3 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Topsoil Geologic Formation:
Material 2: Geologic Group:

Material 2: Geologic Formation
Material 3: Geologic Group:
Material 3: Geologic Period:
Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: TOPSOIL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6556441 Mat Consistency: 11.2 Top Depth: Material Moisture: **Bottom Depth:** 12.1 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Shale Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: SHALY LIMESTONE CORE RECOVERY 88% \*\*Note: Many records provided by the department have a truncated

Depositional Gen:

Depositional Gen:

Ottawa ON

**EHS** 

Order No: 20200205796

[Stratum Description] field.

Geology Stratum ID: 6556442 Mat Consistency: Top Depth: 12.1 Material Moisture: Bottom Depth: 13.4 Material Texture: Material Color: Non Geo Mat Type: Geologic Formation: Material 1: Limestone Material 2: Shale Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: SHALY LIMESTONE CORE RECOVERY 98% \*\*Note: Many records provided by the department have a truncated

[Stratum Description] field.

51 1 of 1 WSW/216.3 73.9 / 1.00 Meath Street

Order No: 20150716069 Nearest Intersection:

Status: C Municipality:

Report Type:Custom ReportClient Prov/State:ONReport Date:23-JUL-15Search Radius (km):.25Pate Received:16-JUL-15Ye.75-737/20

 Date Received:
 16-JUL-15
 X:
 -75.73745

 Previous Site Name:
 Y:
 45.383829

Lot/Building Size:
Additional Info Ordered: City Directory; Aerial Photos

52 1 of 1 E/216.4 73.9 / 1.00 858, 864-868 Merivale, 1246 Thames Ottawa ON

Order No: 20061204014 Nearest Intersection: Merivale/Thames

Status: C Municipality: Ottawa

 Report Type:
 Complete Report
 Client Prov/State:
 ON

 Report Date:
 12/12/2006
 Search Radius (km):
 0.25

 Date Received:
 12/4/2006
 X:
 -75.732525

 Previous Site Name:
 Y:
 45.384862

Previous Site Name: Lot/Building Size: Additional Info Ordered:

53 1 of 1 ESE/217.2 73.7 / 0.79 1255 Coldrey Avenue Ottawa ON

Order No: 20101220023 Nearest Intersection:

Status: C Municipality:

 Report Type:
 Custom Report
 Client Prov/State:
 ON

 Report Date:
 12/29/2010
 Search Radius (km):
 0.25

 Date Received:
 12/20/2010 4:23:42 PM
 X:
 -75.732986

Previous Site Name: Lot/Building Size: Additional Info Ordered:

54 1 of 1 E/217.7 73.9 / 1.01 WW/S

Y:

45.383933

Order No: 20200205796

Well ID: 7217443 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:Monitoring and Test HoleDate Received:3/13/2014Sec. Water Use:0Selected Flag:YesFinal Well Status:Test HoleAbandonment Rec:

Water Type: Contractor: 7241
Casing Material: Form Version: 7

 Audit No:
 Z179980
 Owner:

 Tag:
 A157825
 Street Name:
 848 MERIVALE AVE

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:NEPEAN TOWNSHIPElevation Reliability:Site Info:Depth to Bedrock:Lot:

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:

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:** 1004719529 **Elevation:** 76.687339

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 442655

 Code OB Desc:
 North83:
 5026008

 Code OB Desc:
 North83:
 5026008

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

 Date Completed:
 2/14/2014

 UTMRC Desc:
 margin of error: 30 m - 100 m

Remarks: Location Method: W
Elevrc Desc:

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

Location Source Date:

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

### Overburden and Bedrock Materials Interval

**Formation ID:** 1005092689

Layer: Color: 6 **BROWN** General Color: Mat1: 11 Most Common Material: **GRAVEL** Mat2: 28 Other Materials: SAND Mat3: 85 SOFT Other Materials: Formation Top Depth: 0 Formation End Depth: 0.61 Formation End Depth UOM: m

### Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1005092691

Layer: 3 Color: General Color: **GREY** 28 Mat1: SAND Most Common Material: Mat2: 05 Other Materials: CLAY Mat3: 85 SOFT Other Materials: Formation Top Depth: 3.1 Formation End Depth: 6.1 Formation End Depth UOM: m

# Overburden and Bedrock

Materials Interval

**Formation ID:** 1005092690

2 Layer: Color: **GREY** General Color: Mat1: 06 SILT Most Common Material: Mat2: 05 Other Materials: CLAY Mat3: 85 Other Materials: SOFT Formation Top Depth: 0.61 Formation End Depth: 3.1 Formation End Depth UOM:

# Annular Space/Abandonment

Sealing Record

**Plug ID:** 1005092700

Layer: 2

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

0.31 Plug From: Plug To: 2.74 Plug Depth UOM: m

### Annular Space/Abandonment

Sealing Record

1005092701 Plug ID:

3 Layer: Plug From: 2.74 Plug To: 6.1 Plug Depth UOM: m

### Annular Space/Abandonment

Sealing Record

1005092699 Plug ID:

Layer: Plug From: 0 Plug To: 0.31 Plug Depth UOM: m

### Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:** D

**Method Construction: Direct Push** 

Other Method Construction:

Pipe Information

Pipe ID: 1005092688

Casing No: 0

Comment: Alt Name:

### **Construction Record - Casing**

1005092694 Casing ID:

Layer: 1

Material: 5

Open Hole or Material: **PLASTIC** Depth From: 0 Depth To: 3.1 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

## **Construction Record - Screen**

Screen ID: 1005092695

Layer: 10 Slot: Screen Top Depth: 3.1 Screen End Depth: 6.1 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Мар Кеу	Number of Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Hole Diameter							
Hole ID: Diameter: Depth From: Depth To: Hole Depth UO Hole Diameter			1005092692 8.25 0 6.1 m cm				
<u>55</u> 1	1 of 3		ENE/221.5	74.1 / 1.20	Macies Hotel Ltd. 1274 Carling Ave. Ottawa ON K1Z 7K8		GEN
Generator No: Status: Approval Years Contam. Facility MHSW Facility. SIC Code: SIC Description	ty: :	ON26196 05 721111	Hotels		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:		
Detail(s)							
Waste Class: Waste Class De	esc:		251 OIL SKIMMINGS 8	& SLUDGES			
Waste Class: Waste Class De	esc:		252 WASTE OILS & LU	JBRICANTS			
<u>55</u> 2	? of 3		ENE/221.5	74.1 / 1.20	Macies Hotel Ltd. 1274 Carling Ave. Ottawa ON K1Z 7K8		GEN
Generator No: Status: Approval Years Contam. Facility MHSW Facility. SIC Code: SIC Description	ty: :	ON52603 05 721111	329 Hotels		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:		
<u>Detail(s)</u>							
Waste Class: Waste Class De	esc:		252 WASTE OILS & LU	JBRICANTS			
<u>55</u> 3	3 of 3		ENE/221.5	74.1 / 1.20	1274 Carling Ave Ottawa ON K1Z7K8		EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site N Lot/Building Si Additional Info	: Name: ize:	2014010 C Custom I 14-JAN-1 07-JAN-1	Report		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.732748 45.385886	

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) **56** 1 of 1 NNE/221.8 72.9 / 0.00 1255 Carling Avenue **EHS** Ottawa ON 20150729034 Order No: Nearest Intersection: Municipality: Status: Report Type: **Custom Report** Client Prov/State: ON 05-AUG-15 Search Radius (km): .25 Report Date: Date Received: 29-JUL-15 -75.734638 X: Y: 45.386978 Previous Site Name: Lot/Building Size: Additional Info Ordered:

57 1 of 1 WSW/224.4 73.9 / 1.00
ON
Well ID: 7264815 Data Entry Status: Yes

**OTTAWA CITY** 

Order No: 20200205796

Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Casing Material:
Data Src:
Data Src:
6/15/2016
Selected Flag:
Yes
Abandonment Rec:
Contractor:
7543
Form Version:
8

 Audit No:
 C33484
 Owner:

 Tag:
 A173573
 Street Name:

 Construction Method:
 County:
 OTTAWA-CARLETON

Elevation (m): Municipality: Elevation Reliability: Site Info: Depth to Bedrock: Lot: 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** 

Location Source Date:

Supplier Comment:

**Bore Hole ID:** 1006054429 **Elevation:** 75.598808

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 442231

 Code OB Desc:
 North83:
 5025901

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 6

 Date Completed:
 6/9/2016
 UTMRC Desc:
 margin of error: 300 m - 1 km

Date Completed:6/9/2016UTMRC Desc:margRemarks:Location Method:wwr

Elevro Desc:

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

58 1 of 1 WSW/229.3 73.9 / 1.00 WWIS

Well ID: 7302288 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:Test HoleDate Received:12/22/2017Sec. Water Use:MonitoringSelected Flag:YesFinal Well Status:Observation WellsAbandonment Rec:

Water Type: Contractor: 7241

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

Casing Material:

 Audit No:
 Z263660

 Tag:
 A182591

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: Form Version: 7

Owner:

Street Name:1400 CARLING AVECounty:OTTAWA-CARLETONMunicipality:OTTAWA CITY

Site Info: Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

#### **Bore Hole Information**

**Bore Hole ID:** 1006928775

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 11/3/2017

Remarks: Elevrc Desc:

Location Source Date:

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

# Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1007107126

Layer: Color: 2 General Color: **GREY** Mat1: 06 Most Common Material: SILT Mat2: 28 Other Materials: SAND Mat3: 85 SOFT Other Materials: Formation Top Depth: 5.18 Formation End Depth: 7.32 Formation End Depth UOM: m

# Overburden and Bedrock

Materials Interval

**Formation ID:** 1007107125

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 05

 Other Materials:
 CLAY

 Mat3:
 85

Other Materials: SOFT

Elevation: 75.689544
Elevrc:

Zone: 18
East83: 442227
North83: 5025898
Org CS: UTM83
UTMRC: 4

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20200205796

Location Method: ww

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

Formation Top Depth: 0 Formation End Depth: 5.18 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

1007107135 Plug ID:

Layer: 1 Plug From: 0 0.31 Plug To: Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

1007107136 Plug ID:

Layer: 2 Plug From: 0.31 Plug To: 3.96 Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

1007107137 Plug ID:

Layer: 3 Plug From: 3.96 7.32 Plug To: Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:** 

**Method Construction:** 

Other Method Construction:

Direct Push

Pipe Information

Pipe ID: 1007107124

Casing No:

Comment: Alt Name:

**Construction Record - Casing** 

1007107129 Casing ID:

Layer: Material:

**PLASTIC** Open Hole or Material:

Depth From: 4.27 Depth To: Casing Diameter: 4.03 Casing Diameter UOM: cm

Casing Depth UOM: m

Construction Record - Screen

DΒ Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) Screen ID: 1007107131 Layer: 2 Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: Construction Record - Screen 1007107130 Screen ID: Layer: Slot: 10 Screen Top Depth: 4.27 Screen End Depth: 7.32 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82 **Hole Diameter** Hole ID: 1007107127 Diameter: 8.25 Depth From: 0 Depth To: 7.32 Hole Depth UOM: m Hole Diameter UOM: cm **59** 1 of 1 E/230.2 73.8 / 0.92 OTTAWA CITY - LEASIDE AVE./WOODWARD CA MERIVALE RD./THAMES ST. OTTAWA CITY ON Certificate #: 3-0631-92-Application Year: 92 6/10/1992 Issue Date: Approval Type: Municipal sewage Approved Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:** 1 of 12 SE/241.1 73.9 / 1.00 SHELL CANADA PRODUCTS LTD. **60 SPL** 900 MERIVALE RD. TANK TRUCK (CARGO) **OTTAWA CITY ON K1Z 5Z8** Ref No: 65928 Discharger Report: Site No: Material Group:

Incident Dt: 1/9/1992

Year: Incident Cause:

PIPE/HOSE LEAK

Incident Event: Contaminant Code: Contaminant Name: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address:

Elev/Diff DΒ Map Key Number of Direction/ Site

> Records Distance (m) (m)

Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site Postal Code: Contaminant UN No 1: Site Region:

**Environment Impact: POSSIBLE** Site Municipality: 20101

Nature of Impact: Soil Contamination Site Lot: LAND Receiving Medium: Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: **MOE** Reported Dt: 1/9/1992 Site Map Datum: **Dt Document Closed:** SAC Action Class: Incident Reason: **ERROR** Source Type:

Site Name: Site County/District:

Site Geo Ref Meth: SHELL HOME HEATING: 2 L FUEL OIL TO GRND FROM HOSE. Incident Summary: Contaminant Qty:

SHELL CANADA PRODUCTS LTD. 2 of 12 SE/241.1 73.9 / 1.00 **60** 

900 MERIVALLE ROAD SCHOOL FURNACE OIL

FD.

**SPL** 

Order No: 20200205796

TANK TANK TRUCK (CARGO)

**OTTAWA CITY ON** 

Ref No: 81214 Discharger Report: Site No:

Material Group: Incident Dt: 1/24/1993 Health/Env Conseq: Year: Client Type:

Incident Cause: Sector Type: **CONTAINER OVERFLOW** Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address: Site District Office: Contaminant Limit 1: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region:

**POSSIBLE** Site Municipality: Environment Impact: 20101

Nature of Impact: Multi Media Pollution Site Lot: LAND Receiving Medium: Site Conc: Receiving Env: Northing:

MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: 1/24/1993 Site Map Datum: **MOE** Reported Dt: **Dt Document Closed:** SAC Action Class: Incident Reason: **ERROR** Source Type:

Site Name:

Additional Info Ordered:

Site County/District: Site Geo Ref Meth:

SHELL-300 L FURNACE OIL TO GRND, OVERFILLED TANK, FD, CLEANUP ONGOING. Incident Summary: Contaminant Qty:

3 of 12 SE/241.1 73.9 / 1.00 900 Merivale Rd **60 EHS** 

Ottawa ON K1Z 5Z8

Order No: 20130125028 Nearest Intersection: С Municipality: Status:

Report Type: Standard Report Client Prov/State: ON Report Date: 05-FEB-13 Search Radius (km): .25 Date Received: 25-JAN-13 X: -75.733573

Y: Previous Site Name: 45.383236 Lot/Building Size:

erisinfo.com | Environmental Risk Information Services

Map Key Number Record				Elev/Diff ) (m)	Site	DB
<u>60</u>	4 of 12		SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator N	lo:	ON4564006			PO Box No:	
Status: Approval Ye Contam. Fac	cility:	2010			Country: Choice of Contact: Co Admin:	
SIC Code:	MHSW Facility:		Community Healt	th Centres	Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			261 PHARMACEUTIO	CALS		
Waste Class Waste Class			312 PATHOLOGICAL	. WASTES		
<u>60</u>	5 of 12		SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator N	lo:	ON4564	006		PO Box No:	
Status: Approval Ye Contam. Fac		2011			Country: Choice of Contact: Co Admin:	
MHSW Facility: SIC Code: SIC Description:		621494 Community Health Centres			Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			312 PATHOLOGICAL	WASTES		
	Waste Class: Waste Class Desc:		261 PHARMACEUTIO	CALS		
<u>60</u>	6 of 12		SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator N	lo:	ON4564	006		PO Box No:	
Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		2012			Country: Choice of Contact: Co Admin:	
		621494	Community Healt	h Centres	Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			261 PHARMACEUTIO	CALS		
Waste Class Waste Class			312 PATHOLOGICAL	WASTES		

Мар Кеу	Numbe Record		Direction/ Distance (m	Elev/Diff ) (m)	Site		DB
<u>60</u>	7 of 12		SE/241.1	73.9 / 1.00	Carlington Community Heal 900 Merivale Road Ottawa ON	lth Centre	GEN
Generator No: Status:		ON4564	ON4564006		PO Box No: Country:		
Approval Yell Contam. Fac MHSW Facill SIC Code: SIC Descript	cility: ity:	2013 621494			Choice of Contact: Co Admin: Phone No Admin:		
<u>Detail(s)</u>							
Waste Class Waste Class			312 PATHOLOGICAL	. WASTES			
Waste Class Waste Class			261 PHARMACEUTIO	CALS			
<u>60</u>	8 of 12		SE/241.1	73.9 / 1.00	Carlington Community Heal 900 Merivale Road Ottawa ON K1Z 5Z8	Ith Centre	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON4564 2016 No No 621494	621494		PO Box No: Country: Cana Choice of Contact: CO_ Co Admin: Phone No Admin:	ada OFFICIAL	
<u>Detail(s)</u>							
Waste Class: Waste Class Desc:			312 PATHOLOGICAL	. WASTES			
Waste Class: Waste Class Desc:			261 PHARMACEUTIO	CALS			
<u>60</u>	9 of 12		SE/241.1	73.9 / 1.00	Carlington Community Heal 900 Merivale Road Ottawa ON K1Z 5Z8	Ith Centre	GEN
Generator No Status: Approval Ye Contam. Fac MHSW Facili SIC Code:	ears: cility:	ON4564 2015 No No 621494	006		PO Box No: Country: Cana Choice of Contact: CO_ Co Admin: Phone No Admin:	ada OFFICIAL	
SIC Descript	tion:	021101	621494				
<u>Detail(s)</u>							
Waste Class Waste Class			261 PHARMACEUTIO	CALS			
Waste Class Waste Class			312 PATHOLOGICAL	. WASTES			

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
<u>60</u>	10 of 12		SE/241.1	73.9 / 1.00	Carlington Community 900 Merivale Road Ottawa ON K1Z 5Z8	Health Centre	GEN
Generator N Status: Approval Ye Contam. Facil MHSW Facil SIC Code: SIC Descript	ears: cility: ity:	ON45640 2014 No No 621494	621494		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL	
Detail(s)							
Waste Class Waste Class			261 PHARMACEUTICA	ALS			
Waste Class: Waste Class Desc:			312 PATHOLOGICAL V	VASTES			
<u>60</u>	11 of 12		SE/241.1	73.9 / 1.00	Carlington Community 900 Merivale Road Ottawa ON K1Z 5Z8	Health Centre	GEN
Generator N Status: Approval Ye Contam. Fac MHSW Facil SIC Code: SIC Descript	ears: cility: ity:	ON45640 Registere As of De	ed		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	
Detail(s)							
Waste Class Waste Class			261 A Pharmaceuticals				
Waste Class: Waste Class Desc:			312 P Pathological waste	S			
<u>60</u>	12 of 12		SE/241.1	73.9 / 1.00	Carlington Community 900 Merivale Road Ottawa ON K1Z 5Z8	Health Centre	GEN
Generator N Status: Approval Ye Contam. Facil MHSW Facil SIC Code: SIC Descript	ears: cility: ity:	ON45640 Registere As of Oc	ed		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	

Pathological wastes

Pharmaceuticals

312 P

Waste Class:

Waste Class: Waste Class Desc:

Waste Class Desc:

61 1 of 1 SE/243.0 73.9 / 1.00 lot 33 con 2 **WWIS** 

Well ID: 1510612

Construction Date:

Primary Water Use: Domestic Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No: Tag:

**Construction Method:** Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Data Entry Status:

Data Src:

Date Received: 7/24/1951 Selected Flag: Yes Abandonment Rec:

3725 Contractor: Form Version: 1

Owner: Street Name:

OTTAWA-CARLETON County: Municipality: OTTAWA CITY (NEPEAN)

Site Info:

Lot: 033 Concession: 02 Concession Name: OF

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 10032638 DP2BR: 18

Spatial Status:

Clear/Cloudy:

Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 8/20/1949

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 76.436805

Elevrc:

Zone: 18 East83: 442595.7 North83: 5025802

Org CS:

UTMRC:

UTMRC Desc: unknown UTM

Order No: 20200205796

Location Method: p9

Overburden and Bedrock

Materials Interval

931015366 Formation ID:

Layer: 2

Color:

General Color:

26 Mat1: **ROCK** Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

18 Formation Top Depth: Formation End Depth: 65 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015365

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

Layer: Color:

General Color:

Mat1: 05 Most Common Material: CLAY 13 Mat2: Other Materials:

**BOULDERS** Mat3: 09 Other Materials: MEDIUM SAND

Formation Top Depth: 18 Formation End Depth:

Method of Construction & Well

Formation End Depth UOM:

<u>Use</u>

**Method Construction ID: Method Construction Code:** 

**Method Construction:** Cable Tool

Other Method Construction:

Pipe Information

10581208 Pipe ID: Casing No:

Comment: Alt Name:

Construction Record - Casing

930057853 Casing ID:

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 65 Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM:

**Construction Record - Casing** 

Casing ID: 930057852

Layer: Material: Open Hole or Material:

**STEEL** Depth From: Depth To: 18 Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510612

Pump Set At: Static Level: 45 Final Level After Pumping: 45

Recommended Pump Depth: Pumping Rate:

Flowing Rate:

Recommended Pump Rate:

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

 Levels UOM:
 ft

 Rate UOM:
 GPM

 Water State After Test Code:
 1

 Water State After Test:
 CLEAR

Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing: N

Water Details

**Water ID:** 933465640 **Layer:** 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 65

 Water Found Depth UOM:
 ft

62 1 of 1 E/243.7 73.9 / 1.05 853 Merivale Road, Ottawa PINC

Incident ID:2768104Health Impact:NoIncident No:611482Environment Impact:NoType:FS-Pipeline IncidentProperty Damage:Yes

Yes Status Code: Pipeline Damage Reason Est Service Interupt: Yes Pipeline Strike Fuel Occurrence Tp: Enforce Policy: Yes Fuel Type: Natural Gas Public Relation: No RC Established Tank Status: Pipeline System:

Task No: 3379890 Depth: 39
Spills Action Centre: Pipe Material: Plastic Method Details: E-mail PSIG: 53

Fuel Category: Natural Gas Attribute Category: FS-Perform P-line Inc Invest

Date of Occurrence: 6/11/2011 0:00 Regulator Location: Outside

Occurrence Start 2011/06/13

Date:

Operation Type:Construction Site (pipeline strike)Pipeline Type:Service / Riser Distribution PipelineRegulator Type:Service Regulator (up to 60 psi intake)Summary:853 Merivale Road, Ottawa - 1 ¼" Pipeline Hit

Reported By: Wayne Pilon - TSSA

Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

Occurrence Desc: Mistook Copper Water Service For Gas Line.

Damage Reason: Excavation practices not sufficient

Notes: Imprudent Excavation.

63 1 of 1 WSW/244.2 73.9 / 1.00 WWIS

Order No: 20200205796

Well ID: 7302287 Data Entry Status:

Construction Date: Data Entry State

Primary Water Use:Test HoleDate Received:12/22/2017Sec. Water Use:MonitoringSelected Flag:YesFinal Well Status:Observation WellsAbandonment Rec:

Final Well Status: Observation Wells Water Type:

 Water Type:
 Contractor:
 7241

 Casing Material:
 Form Version:
 7

 Audit No:
 Z263659
 Owner:

Tag:A182590Street Name:1400 CARLING AVEConstruction Method:County:OTTAWA-CARLETONElevation (m):Municipality:OTTAWA CITYElevation Reliability:Site Info:

Depth to Bedrock: Lot:
Well Depth: Concession:

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

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Clear/Cloudy:

Concession Name: Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

UTM Reliability:

### **Bore Hole Information**

**Bore Hole ID:** 1006928772

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 11/3/2017

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

## Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1007107112

Layer: 6 Color: **BROWN** General Color: Mat1: 28 Most Common Material: SAND Mat2: 11 GRAVEL Other Materials: Mat3: 85 SOFT Other Materials: Formation Top Depth: 0.31 Formation End Depth: 2.13

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

**Formation ID:** 1007107113

m

Layer: 3 Color: General Color: **GREY** Mat1: 06 Most Common Material: SILT 28 Mat2: Other Materials: SAND Mat3: 66 DENSE Other Materials: Formation Top Depth: 2.13 Formation End Depth: 4.27 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Zone: 18
East83: 442239
North83: 5025846
Org CS: UTM83
UTMRC: 4

UTMRC Desc: margin of error : 30 m - 100 m

74.541893

Location Method: ww

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

**Formation ID:** 1007107111

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2:

Other Materials:

Mat3:77Other Materials:LOOSEFormation Top Depth:0Formation End Depth:0.31Formation End Depth UOM:m

# Annular Space/Abandonment

Sealing Record

**Plug ID:** 1007107123

 Layer:
 3

 Plug From:
 0.91

 Plug To:
 4.27

 Plug Depth UOM:
 m

### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1007107122

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 0.91

 Plug Depth UOM:
 m

### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1007107121

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

### Method of Construction & Well

Use

Method Construction ID: Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

# Pipe Information

**Pipe ID:** 1007107110

Casing No:

Comment: Alt Name:

# **Construction Record - Casing**

**Casing ID:** 1007107116

Layer: 1
Material: 5

Мар Кеу	Number Records		Elev/Diff (m)	Site		DB
Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	eter: eter UOM:	PLASTIC 0 1.22 4.03 cm m				
Construction	Record - S	<u>Screen</u>				
Screen ID: Layer: Slot: Screen Top I Screen Mate Screen Deptl Screen Diam	Depth: rial: h UOM:	1007107117 1 10 1.22 4.27 5 m				
Screen Diam Screen Diam		cm 4.82				
Hole Diamete	<u>er</u>					
Hole ID: Diameter: Depth From: Depth To: Hole Depth U	ЈОМ:	1007107114 8.25 0 4.27 m cm				
<u>64</u>	1 of 1	SW/244.8	74.6 / 1.72	Shred-It Canada Corp 858 Meath St. Ottawa ON	poration Inc.	SPL
Ref No: Site No: Incident Dt: Year: Incident Cau Incident Evel Contaminant Contaminant Contaminant Contaminant Environment Nature of Imp Receiving Me Receiving En MOE Respont MOE Resporte Dt Document Incident Reas Site Name: Site Geo Ref Incident Sum Contaminant	nt: t Code: t Name: t Limit 1: t Freq 1: t UN No 1: t Impact: pact: edium: nv: on Scn: ed Dt: t Closed: son: District:	6776-9MJRCF NA 2014/07/31  Leak/Break  15 HYDRAULIC OIL  Not Anticipated Soil Contamination  No Field Response  2014/07/31 2014/10/08 Equipment Failure Roadway <unoff< th=""><th></th><th>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: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:</th><th>Truck - Transport/Hauling 858 Meath St.  Ottawa  Land Spills</th><th></th></unoff<>		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: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Truck - Transport/Hauling 858 Meath St.  Ottawa  Land Spills	
<u>65</u>	1 of 1	S/246.7	73.9 / 1.00	1311 Couldrey Ave Ottawa ON		SPL
Ref No:		2241-A7NKZD		Discharger Report:		

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) Site No: NA Material Group: Incident Dt: 2016/03/01 Health/Env Conseq: Year: Client Type: Incident Cause: Sector Type: Miscellaneous Communal Incident Event: Leak/Break Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: **FURNACE OIL** Site Address: 1311 Couldrey Ave Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site Postal Code: Contaminant UN No 1: Site Region: **Environment Impact:** Site Municipality: Ottawa Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Land Northing: MOE Response: No Easting: Dt MOE Arvl on Scn: Site Geo Ref Accu: 2016/03/02 Site Map Datum: **MOE** Reported Dt: **Dt Document Closed:** SAC Action Class: Primary Assessment of Spills Incident Reason: Operator/Human Error Source Type: Site Name: AST<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSA/MOE - Couldrey Ave, furnace spill Contaminant Qty: 300 L WSW/247.8 73.9 / 1.00 **1062473 ONTARIO INC** 66 1 of 7 **GEN** 1400 CARLING AVENUE OTTAWA ON K1Z 7L8 ON3414562 PO Box No: Generator No: Status: Country: Approval Years: 05 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code: 721111 SIC Description: Hotels Detail(s) Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES 1062473 ONTARIO Inc. 66 2 of 7 WSW/247.8 73.9 / 1.00 **GEN** 1400 CARLING AVENUE OTTAWA ON K1Z 7L8 Generator No: ON5477297 PO Box No: Status: Country: Approval Years: 05 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: 721111 SIC Code: SIC Description: Hotels Detail(s) Waste Class: 145 PAINT/PIGMENT/COATING RESIDUES Waste Class Desc:

6512062 Canada Inc.

1400 Carling Ave

CA

Order No: 20200205796

WSW/247.8

73.9 / 1.00

66

3 of 7

Number of Direction/ Elev/Diff Site DΒ Map Key

Records

Distance (m) (m)

Ottawa ON K1Z 7L8

Certificate #: 8371-8HWQLM

2011 Application Year: Issue Date: 6/30/2011 Approval Type: Air Approved Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:** 

> **66** 4 of 7 WSW/247.8 73.9 / 1.00 1400 Carling Avenue **EHS** Ottawa ON K1Z 7L8

20111129026 Order No:

Status: C

Report Type: **Custom Report** 12/6/2011 2:15:20 PM Report Date: Date Received: 11/29/2011 2:15:20 PM

Previous Site Name: Lot/Building Size: Additional Info Ordered:

Link Source:

Nearest Intersection: Municipality: Client Prov/State: ON

Search Radius (km): 0.25 X: -75.73841 Y: 45.384101

**ECA** 

GEN

Order No: 20200205796

66 5 of 7 WSW/247.8 73.9 / 1.00 6512062 Canada Inc. 1400 Carling Ave

Ottawa ON K1Z 7L8

Geometry X:

Geometry Y:

Approval No: 8371-8HWQLM **MOE District:** Ottawa

2011-06-30 Approval Date:

City: Approved Longitude: Status: -75.73830000000001 **ECA** Record Type: Latitude: 45.38357

SWP Area Name: Rideau Valley Approval Type: ECA-AIR

Project Type: AIR

Address: 1400 Carling Ave

IDS

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1093-8A9RAW-14.pdf

66 6 of 7 WSW/247.8 73.9 / 1.00 **Embassy West Senior Living** 

> 1400 Carling Ave Ottawa ON K1Z 7L8

Generator No: ON7604628 PO Box No:

Registered Canada Status: Country:

As of Dec 2018 Choice of Contact: Approval Years: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin: SIC Code:

Detail(s)

SIC Description:

Waste Class: 221 L Map Key Number of Direction/ Elev/Diff Site DB
Records Distance (m) (m)

Waste Class Desc: Light fuels

66 7 of 7 WSW/247.8 73.9 / 1.00 1400 Carling Ave

Ottawa ON K1Z7L8

Order No: 20170929082 Nearest Intersection:

Status: C Municipality:

 Report Type:
 Standard Report
 Client Prov/State:
 ON

 Report Date:
 05-OCT-17
 Search Radius (km):
 .25

 Date Received:
 29-SEP-17
 X:
 -75.738272

 Previous Site Name:
 Y:
 45.383713

Previous Site Name: Lot/Building Size: Additional Info Ordered:

67 1 of 1 SSW/249.3 74.6 / 1.69 ON BORE

Borehole ID: 612890 Inclin FLG: No

 OGF ID:
 215514196
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Type: Borehole Piezometer: No

Use: Primary Name:
Completion Date: AUG-1954 Municipality:
Static Water Level: Lot:

Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.382868

 Total Depth m:
 14.3
 Longitude DD:
 -75.736114

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

Depth Ref:Ground SurfaceUTM Zone:18Depth Elev:Easting:442371Drill Method:Northing:5025747

Orig Ground Elev m: 76.2 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 75.1

Concession: Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 218392865 Mat Consistency: Soft

Top Depth: 9.1 Material Moisture:
Bottom Depth: 14.3 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Limestone Geologic Formation:
Material 2: Geologic Portugi.

Material 3:Geologic Period:Material 4:Depositional Gen:organic

Gsc Material Description:

Stratum Description: LIMESTONE. 00047 CLAY. SOFT. ORGANIC. SOFT. 03800065T.BEDROCK. 00000 023 0 \*\*Note: Many records

Depositional Gen:

Order No: 20200205796

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218392864 Mat Consistency:
Top Depth: 0 Material Moisture:

Bottom Depth: 9.1 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Clay Geologic Formation:
Material 2: Geologic Group:
Material 3: Geologic Period:

Gsc Material Description:

Stratum Description: CLAY.

Material 4:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records

Distance (m) (m)

Source

Data Survey Source Type: Source Appl: Spatial/Tabular Source Orig: Geological Survey of Canada Source Iden:

Varies Source Date: 1956-1972 Scale or Res:

Confidence: NAD27 Horizontal: Mean Average Sea Level Observatio: Verticalda:

Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA2.txt RecordID: 05398 NTS\_Sheet:

Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Vertical Datum: Source Type: **Data Survey** Mean Average Sea Level Source Date: 1956-1972 Universal Transverse Mercator Projection Name:

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

68 1 of 1 SSW/249.4 74.6 / 1.69 **WWIS** ON

Well ID: 1508043 Data Entry Status:

**Construction Date:** Data Src:

Primary Water Use: Domestic Date Received: 9/21/1954 Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1301 Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name: OTTAWA-CARLETON **Construction Method:** County: Elevation (m): Municipality: **OTTAWA CITY** Elevation Reliability: Site Info:

Depth to Bedrock: Lot: Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone: UTM Reliability:

Flow Rate: Clear/Cloudy:

**Bore Hole Information** 

Improvement Location Method:

Bore Hole ID: 10030078 Elevation: 75.098747

DP2BR: 30 Elevrc:

Spatial Status: Zone: 18 Code OB: 442370.7 East83: 5025747 Code OB Desc: **Bedrock** North83:

Open Hole: Org CS: UTMRC: Cluster Kind:

erisinfo.com | Environmental Risk Information Services

Date Completed: 8/5/1954 UTMRC Desc: unknown UTM

Remarks: Location Method: p9

Elevrc Desc:

Location Source Date: Improvement Location Source:

Source Revision Comment:

Order No: 20200205796

Supplier Comment:

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

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931008660

Layer:

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

30 Formation Top Depth: 47 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

931008659 Formation ID:

0

Layer:

Color:

General Color:

05 Mat1:

Most Common Material: CLAY

Mat2:

Other Materials:

Mat3:

Other Materials: Formation Top Depth: Formation End Depth:

30 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:

**Method Construction Code:** 

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10578648

Casing No:

Comment: Alt Name:

**Construction Record - Casing** 

930052813 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE** 

Depth From:

Depth To: 47 5 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

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

### Construction Record - Casing

Casing ID: 930052812

Layer: Material:

Open Hole or Material: **STEEL** 

Depth From:

30 Depth To: Casing Diameter: 5 Casing Diameter UOM: inch ft Casing Depth UOM:

#### Results of Well Yield Testing

Pump Test ID: 991508043

Pump Set At: Static Level: 10 Final Level After Pumping: 12 Recommended Pump Depth: Pumping Rate: 6

Flowing Rate: Recommended Pump Rate:

Levels UOM: ft **GPM** Rate UOM: Water State After Test Code:

Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR: Pumping Duration MIN:** 0 Flowing:

# Water Details

Water ID: 933462385

Layer: Kind Code:

**FRESH** Kind: Water Found Depth: 30 Water Found Depth UOM: ft

### Water Details

Water ID: 933462386

2 Layer: Kind Code: 5

Kind: Not stated Water Found Depth: 47 Water Found Depth UOM: ft

1 of 1 W/249.9 73.9 / 1.00 69 **BORE** ON

Municipality:

Order No: 20200205796

847270 Borehole ID: Inclin FLG: No OGF ID: 215588938 Initial Entry SP Status:

Status: Decommissioned Surv Elev: No Type: Borehole Piezometer: No Geotechnical/Geological Investigation Use: Primary Name:

Completion Date: 01-FEB-1958

LOT 32 Static Water Level: 1.2 Lot: Primary Water Use: Township: **NEPEAN** Sec. Water Use: Latitude DD: 45.385444 Total Depth m: 14.6 Longitude DD: -75.738417

Map Key Number of Direction/ Elev/Diff Site DB

Accuracy:

Depositional Gen:

Within 10 metres

Order No: 20200205796

Records Distance (m) (m)

Depth Ref:Ground SurfaceUTM Zone:18Depth Elev:Easting:442193

Drill Method:Diamond DrillNorthing:5026035Orig Ground Elev m:75.5Location Accuracy:

Elev Reliabil Note:

DEM Ground Elev m: 79.6
Concession: 79.6
CON 1 ON OTTAWA RIVER

Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 6556453 Mat Consistency: Dense

Top Depth: 7.2 Material Moisture: **Bottom Depth:** 8 Material Texture: Material Color: Non Geo Mat Type: Till Material 1: Geologic Formation: Material 2: Sand Geologic Group: Material 3: Geologic Period:

Gsc Material Description:

Material 4:

Stratum Description: DENSE SANDY TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description]

field.

Geology Stratum ID:6556459Mat Consistency:Top Depth:14Material Moisture:Bottom Depth:14.6Material Texture:Material Color:Non Geo Mat Type:Material 1:LimestoneGeologic Formation:

Material 1:LimestoneGeologic FormatioMaterial 2:ShaleGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SHALEY LIMESTONE CORE RECOVERY 100% \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

6556445 Geology Stratum ID: Mat Consistency: Loose Top Depth: 1.2 Material Moisture: **Bottom Depth:** 1.8 Material Texture: Fine Material Color: Non Geo Mat Type: Material 1: Geologic Formation: Sand

Material 1:SandGeologic FormationMaterial 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: LOOSE FINE SAND \*\*Note: Many records provided by the department have a truncated [Stratum Description]

field.

Geology Stratum ID: 6556455 Mat Consistency: Dense Top Depth: 8.7 Material Moisture: **Bottom Depth:** 10.8 Material Texture: Fine Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation: Coarse Sand Material 2: Geologic Group:

Material 1:SandGeologic FormationMaterial 2:Coarse SandGeologic Group:Material 3:StonesGeologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: DENSE FINE SAND WITH SOME COARSE SAND AND A FEW STONES \*\*Note: Many records provided by the

department have a truncated [Stratum Description] field.

Geology Stratum ID: 6556446 Mat Consistency: Very Stiff

Top Depth:1.8Material Moisture:Bottom Depth:2.3Material Texture:Material Color:Brown-GreyNon Geo Mat Type:

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

Material 1:ClayGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: VERY STIFF BROWNISH GRAY CLAY \*\*Note: Many records provided by the department have a truncated

[Stratum Description] field.

Geology Stratum ID: 6556447 Mat Consistency: Stiff

Top Depth: 2.3 Material Moisture: Bottom Depth: 3 Material Texture: Material Color: Brown-Grey Non Geo Mat Type: Material 1: Geologic Formation: Clay Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: STIFF FISSURED BROWNISH GRAY CLAY \*\*Note: Many records provided by the department have a truncated

[Stratum Description] field.

Geology Stratum ID:6556448Mat Consistency:SoftTop Depth:3Material Moisture:

Bottom Depth: 4.6 Material Texture: Medium

Material Color: Grey 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: MEDIUM SOFT FISSURED GRAY CLAY \*\*Note: Many records provided by the department have a truncated

[Stratum Description] field.

Geology Stratum ID:6556451Mat Consistency:SoftTop Depth:5.9Material Moisture:

Bottom Depth: 6.9 Material Texture: Medium

Material Color:GreyNon Geo Mat Type:Material 1:ClayGeologic Formation:Material 2:SiltGeologic Group:Material 3:SandGeologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: MEDIUM SOFT FISSURED SILTY GRAY CLAY WITH LAYERS OF WELL-GRADED SAND \*\*Note: Many records

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6556450 Mat Consistency: Soft

Top Depth: 5.3 Material Moisture:

Bottom Depth: 5.9 Material Texture: Medium

Material Color:GreyNon Geo Mat Type:Material 1:ClayGeologic Formation:Material 2:SiltGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: MEDIUM SOFT FISSURED SILTY GRAY CLAY \*\*Note: Many records provided by the department have a

truncated [Stratum Description] field.

Geology Stratum ID: 6556452 Mat Consistency: Loose

Top Depth: Material Moisture: 6.9 7.2 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Till Material 1: Geologic Formation: Material 2: Sand Geologic Group: Material 3: Geologic Period:

Gsc Material Description:

Stratum Description: LOOSE SANDY TILL \*\*Note: Many records provided by the department have a truncated [Stratum Description]

Depositional Gen:

Order No: 20200205796

Material 4:

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

field.

6556456 Geology Stratum ID: Mat Consistency: Material Moisture: Top Depth: 10.8 **Bottom Depth:** 11.3 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation:

Material 2: Geologic Group: Sand Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: WEATHERED SANDY LIMESTONE \*\*Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6556458 Mat Consistency: Top Depth: Material Moisture: 13 **Bottom Depth:** 14 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Shale Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: SHALEY LIMESTONE CORE RECOVERY 83% \*\*Note: Many records provided by the department have a

Depositional Gen:

Depositional Gen:

truncated [Stratum Description] field.

6556457 Geology Stratum ID: Mat Consistency: Top Depth: 11.3 Material Moisture: **Bottom Depth:** 13 Material Texture: Material Color: Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Shale Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

SHALEY LIMESTONE CORE RECOVERY 94% \*\*Note: Many records provided by the department have a Stratum Description:

truncated [Stratum Description] field.

Geology Stratum ID: 6556443 Mat Consistency: Top Depth: 0 Material Moisture: **Bottom Depth:** .3 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Topsoil Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

Stratum Description: TOPSOIL \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

6556449 Soft Geology Stratum ID: Mat Consistency:

Top Depth: 4.6 Material Moisture:

**Bottom Depth:** 5.3 Material Texture: Medium

Material Color: Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: MEDIUM SOFT FISSURED GRAY CLAY WITH SOME SILT \*\*Note: Many records provided by the department

have a truncated [Stratum Description] field.

Geology Stratum ID: 6556444 Mat Consistency: Dense Top Depth: .3 Material Moisture: 1.2 **Bottom Depth:** Material Texture: Fine Material Color: Non Geo Mat Type:

Material 1: Geologic Formation: Sand

Elev/Diff Site DB Map Key Number of Direction/ Records Distance (m) (m) Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen: Gsc Material Description: Stratum Description: MEDIUM DENSE FINE SAND \*\*Note: Many records provided by the department have a truncated [Stratum Description] field. Dense Geology Stratum ID: 6556454 Mat Consistency: Top Depth: 8 Material Moisture: 8.7 Bottom Depth: Material Texture: Material Color: Non Geo Mat Type: Till Material 1: Geologic Formation: Material 2: Sand Geologic Group: Material 3: Boulders Geologic Period:

Gsc Material Description:

Material 4:

Stratum Description: BOULDERS IN DENSE SANDY TILL \*\*Note: Many records provided by the department have a truncated [Stratum

Depositional Gen:

Order No: 20200205796

Description] field.

# Unplottable Summary

Total: 61 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF OTTAWA-CARLETON	MERIVALE RD. RECONT. WOODFIELD	NEPEAN CITY ON	
CA	WESMAR HOMES LTD.	CARLING AVE.	NEPEAN CITY ON	
CA	JAMES STEWART	MERIVALE RD. STEWART FUELS	NEPEAN CITY ON	
CA	J. PEREZ CONSTRUCTION LTD.	MERIVALE RD.	NEPEAN CITY ON	
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA CITY ON	
CA	MINTO CONSTRUCTION LTD.	MERIVALE RD.	NEPEAN CITY ON	
CA		Merivale Road	Nepean ON	
CA		Merivale Road	Nepean ON	
CA	NORTHERN TELECOM LTD., CARLING CAMPUS	CARLING AVENUE (SWM)	NEPEAN ON	
CA	SHELL CANADA PRODUCTS LIMITED	MERIVALE RD., BULK TANK FARM	NEPEAN CITY ON	
CA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	
CA	City of Ottawa	Carling Avenue (Road allownce)	Ottawa ON	
CA	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Facility	Ottawa ON	
CA	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Jaw Crusher	Ottawa ON	
CA	City of Ottawa	Thames Street From Merivale Road to Dead end	Ottawa ON	
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	REG.MUN.OF OTTAWA- CARLETON	QUEENSWAY N.	OTTAWA ON	
CA	MINTO CONSTRUCTION LTD.	MERIVALE RD. EAST SIDE	NEPEAN CITY ON	

CA	City of Nepean	MERIVALE RD./S.W.MGT	NEPEAN CITY ON	
CA	JAMES STEWART	MERIVALE RD.	NEPEAN CITY ON	
CONV	SHELL CANADA PRODUCTS LIMITED		DON MILLS ON	
CONV	Colautti Construction Ltd		Ottawa ON	
EBR	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Jaw Crusher Ottawa K1T 3V7 CITY OF OTTAWA	ON	
EBR	Northern Telecom Canada Limited, Ottawa Carling Campus	Carling Campus, City of Ottawa CITY OF OTTAWA	ON	
ECA	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Facility	Ottawa ON	K1T 3V7
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Meath St between Carling Avenue and Thames Street	Ottawa ON	K2G 6J8
EHS		Hwy 417	Ottawa ON	
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	Carmelo Idone	Rear Merivale Rd.	Ottawa ON	K1Z 6A5
GEN				
	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	R.W Tomlinson 7770251 CANADA INC	LRT Central Site Hwy 417 Widening  MERIVALE ROAD	ottawa ON OTTAWA ON	K1G 3N4
GEN GEN			OTTAWA ON	K1G 3N4
	7770251 CANADA INC  GVT OF CAN- HEALTH&WELFARE CAN.MED.	MERIVALE ROAD  SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W.	OTTAWA ON	
GEN	7770251 CANADA INC  GVT OF CAN- HEALTH&WELFARE CAN.MED. 16-303  SHELL CANADA PRODUCTS	MERIVALE ROAD  SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST.	OTTAWA ON	
GEN PRT	7770251 CANADA INC  GVT OF CAN- HEALTH&WELFARE CAN.MED. 16-303  SHELL CANADA PRODUCTS LTD  SHELL CANADA PRODUCTS	MERIVALE ROAD  SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST.  MERIVALE RD	OTTAWA ON OTTAWA ON	
GEN PRT SPL	7770251 CANADA INC  GVT OF CAN- HEALTH&WELFARE CAN.MED. 16-303  SHELL CANADA PRODUCTS LTD  SHELL CANADA PRODUCTS LTD.  SHELL CANADA PRODUCTS	MERIVALE ROAD  SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST.  MERIVALE RD  TANK TRUCK (CARGO)	OTTAWA ON OTTAWA ON OTTAWA CITY ON	

LTD.

SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ONTARIO HYDRO	MERIVALE RD TRANSFORMER STATION TRANSFORMER	NEPEAN CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	MERRIVALE ROAD BULK PLANT (N.O.S.)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	SERVICE STATION	OTTAWA CITY ON
SPL	OTTAWA TRANSIT	CARLING AVENUE BUS	OTTAWA ON
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	Unknown <unofficial></unofficial>	Hwy 417, near Queen Elizabeth Dr	Ottawa ON
SPL	Shell Canada Products Limited	Shell Canada	Ottawa ON
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON
SPL	NATIONAL GROCERS	MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON
SPL	City of Ottawa	Highway 417	Ottawa ON
SPL	Drain-All Ltd.	Hwy 417 Westbound near Carling off-ramp	Ottawa ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	HOTEL/MOTEL	CARLING AVENUE (N.O.S.)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	MERRIVALE ROAD SERVICE STATION	NEPEAN CITY ON
WWIS		lot 34	ON
wwis		lot 34	ON
WWIS			Ottawa ON

# Unplottable Report

Site: R.M. OF OTTAWA-CARLETON

MERIVALE RD. RECONT. WOODFIELD NEPEAN CITY ON

3-0317-88-

Database:

Certificate #: Application Year:

Issue Date: 3/17/1988
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: WESMAR HOMES LTD.

CARLING AVE. NEPEAN CITY ON

Database: CA

 Certificate #:
 3-1205-88 

 Application Year:
 88

 Issue Date:
 7/18/1988

Approval Type: Municipal sewage Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

**Emission Control:** 

Site: JAMES STEWART

MERIVALE RD. STEWART FUELS NEPEAN CITY ON

Database:

Certificate #:3-1845-88-Application Year:88Issue Date:10/6/1988Approval Type:Municipal sewageStatus:Approved

Status:
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

**Emission Control:** 

Site: J. PEREZ CONSTRUCTION LTD.

MERIVALE RD. NEPEAN CITY ON

Database: CA

Order No: 20200205796

Certificate #: 3-1266-86-Application Year: 86 Issue Date:9/10/1986Approval Type:Municipal sewageStatus:Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: L.SIPOLINS

SOUTH OF CARLING AVE. OTTAWA CITY ON

Database:

Database:

Order No: 20200205796

Certificate #: 7-1008-85-006
Application Year: 85
Issue Date: 11/15/85
Approval Type: Municipal water
Status: Approved
Application Type:

Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: MINTO CONSTRUCTION LTD.

MERIVALE RD. NEPEAN CITY ON

85

3-0874-85-006

Application Year:

**Issue Date:** 8/14/85

Approval Type: Municipal sewage Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Certificate #:

Site:

Merivale Road Nepean ON

Database:
CA

Certificate #: 6408-4PJHR7

Application Year: 00
Issue Date: 9/27/00

Approval Type: Municipal & Private water

Status: Approved

Application Type: New Certificate of Approval

Client Name: Corporation of the Regional Municipality of Ottawa-Carleton

Client Address: 111 Lisgar Street

Client City: Ottawa
Client Postal Code: K2P 2L7

Project Description: Installation of watermains and appurtenances in Merivale Road from Amberwood Crescent to approximately 100 m

north of Fallowfield Road.

Contaminants: Emission Control: Site: Database: CA

Merivale Road Nepean ON

Certificate #: 0030-4N8JQX

Application Year: 00 Issue Date: 8/17/00

Approval Type: Municipal & Private water Status: Approved

Application Type: New Certificate of Approval

Corporation of the Regional Municipality of Ottawa-Carleton Client Name:

Client Address: 111 Lisgar Street

Client City: Ottawa Client Postal Code: K2P 2L7

Project Description: Installation of watermains on Merivale Road, Boyce Street

Contaminants: **Emission Control:** 

NORTHERN TELECOM LTD., CARLING CAMPUS Site:

CARLING AVENUE (SWM) NEPEAN ON

Certificate #: 3-1624-98-Application Year: 98

11/17/1998 Issue Date: Municipal sewage Approval Type:

Approved

Status: Application Type: Client Name: Client Address: Client City:

Client Postal Code: **Project Description:** Contaminants: **Emission Control:** 

SHELL CANADA PRODUCTS LIMITED Site:

MERIVALE RD., BULK TANK FARM NEPEAN CITY ON

Certificate #: 4-0099-91-Application Year: 91

Issue Date: 11/14/1991

Approval Type: Industrial wastewater

Status: Cancelled

Application Type: Client Name: Client Address: Client City:

Client Postal Code:

Project Description: MODIFY OIL/WATER SEPARATOR

Contaminants: **Emission Control:** 

Site: City of Ottawa

Works within an easement adjacent to Merivale Rd Ottawa ON

Certificate #: 0702-82CL4A 2010 Application Year: Issue Date: 2/8/2010

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code:

Database: CA

Database:

Database:

CA

Project Description: Contaminants: Emission Control:

Site: City of Ottawa

Carling Avenue (Road allownce) Ottawa ON

Database:

Certificate #: 3615-6QHRAR
Application Year: 2006

 Application Year:
 2006

 Issue Date:
 6/13/2006

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:

<u>Site:</u> Enviro-Grind Ltd. operating as Colautti Construction Ltd.

Mobile Facility Ottawa ON

Database:

 Certificate #:
 2617-7QQKQB

 Application Year:
 2009

 Issue Date:
 4/30/2009

 Approval Type:
 Air

 Status:
 Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Enviro-Grind Ltd. operating as Colautti Construction Ltd.

Mobile Jaw Crusher Ottawa ON

Database:

 Certificate #:
 5388-7QPQL2

 Application Year:
 2009

 Issue Date:
 4/30/2009

 Approval Type:
 Air

 Status:
 Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: City of Ottawa

Thames Street From Merivale Road to Dead end Ottawa ON

Database: CA

Order No: 20200205796

 Certificate #:
 9308-87KLD9

 Application Year:
 2010

 Issue Date:
 7/29/2010

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: City of Ottawa

Carling Ave Ottawa ON

Database: CA

Certificate #: 2472-8GRQTN
Application Year: 2011

Issue Date: 2011

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

**Emission Control:** 

<u>Site:</u> REG.MUN.OF OTTAWA-CARLETON QUEENSWAY N. OTTAWA ON

Database:

Database:

**Certificate #:** 3-0468-85-006

Application Year:85Issue Date:6/4/85

Approval Type: Municipal sewage

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: Emission Control:

Site: MINTO CONSTRUCTION LTD.

MERIVALE RD. EAST SIDE NEPEAN CITY ON

**Certificate #:** 7-0594-85-006

Application Year: 85
Issue Date: 7/25/85

Approval Type:Municipal waterStatus:Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: Emission Control:

Site: City of Nepean

MERIVALE RD./S.W.MGT NEPEAN CITY ON

Database:

Certificate #: 3-1378-92-92 Application Year: 11/30/1992 Issue Date: Municipal sewage Approval Type: Approved

Status: Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:** 

Site: JAMES STEWART

MERIVALE RD. NEPEAN CITY ON

Database: CA

7-1585-88-Certificate #: Application Year: 88 10/6/1988 Issue Date: Approval Type: Municipal water Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:** 

Site: SHELL CANADA PRODUCTS LIMITED DON MILLS ON

Database: CONV

Order No: 20200205796

File No: Location:

Crown Brief No: Region: SOUTH EAST REGION

Ministry District: Court Location:

**Publication City:** 

Publication Title:

Act: Act(s): First Matter: Second Matter: Investigation 1: Investigation 2: Penalty Imposed:

**DISCHARGING A CONTAMINANT - ADVERSE EFFECT** Description:

Background:

URL:

**Additional Details** 

**Publication Date:** 

Count:

EPA Act: Regulation:

Section: 13(1) EPA- -13(1) Act/Regulation/Section:

Date of Offence:

Date of Conviction:

Date Charged: 92/05/12

Charge Disposition:

90000 Fine:

Synopsis:

Colautti Construction Ltd Site: Database: CONV

Ottawa ON

File No: 108583 Location: Crown Brief No: Region:

**Court Location: Publication City:** 

**Publication Title:** Act:

Act(s): First Matter: Second Matter: Investigation 1: Investigation 2: Penalty Imposed: Description:

The City of Ottawa and its contractor were fined \$120,000 for failing to comply with a permit to take water and discharging sediment into Stillwater Creek, a tributary of the Ottawa River. 'Polluters should be aware that the ministry's Investigations and Enforcement Branch will vigorously pursue charges when our environmental laws are

Ministry District:

broken', said Environment Minister Jim Bradley. In 2010, the city awarded a contract for a water main installation along several streets in Ottawa to Colautti Construction Ltd. 'a local company that specializes in the construction of sewer and water lines. For dewatering required by construction, a permit to take water was issued to the City that required a number of conditions including turbidity testing. Following reports in August 2010 of possible impairments to Stillwater Creek as a result of drilling work, a ministry investigation found the company was responsible for a discharge of sediment into Stillwater Creek. Although there was no evidence of any actual impact to fish in Stillwater Creek as a result of the sediment discharge on that day, sediment discharges can adversely

affect fish and benthic organisms. The City was also found to have not been conducting the required turbidity testing. The City of Ottawa and Colautti Construction Ltd. were fined a total of \$120,000 plus victim fine surcharges

of \$30,000 and were given sixty days to pay the fines.

Background: URL:

#### **Additional Details**

**Publication Date:** 

Count: Act:

Regulation: Section:

Act/Regulation/Section: Date of Offence: Date of Conviction:

Date Charged: May 31, 2013

Charge Disposition: fine, victim fine surcharge

Fine: \$120,000

Synopsis:

#### **Additional Details**

Publication Date:

Count:

Act: Pesticides Act

Regulation: Section:

Act/Regulation/Section: Pesticides Act

Date of Offence: Date of Conviction:

March 10, 2014 Date Charged:

Charge Disposition: fine, victim fine surcharge

Fine: \$5,000

Synopsis:

Site: Enviro-Grind Ltd. operating as Colautti Construction Ltd.

Mobile Jaw Crusher Ottawa K1T 3V7 CITY OF OTTAWA ON

EBR Registry No: 012-5817 Decision Posted: Ministry Ref No: 7932-A22HN3 **Exception Posted:** 

Notice Type: Instrument Decision Section: Notice Stage: Act 1:

Database: **EBR** 

Notice Date: June 01, 2018 Act 2:

January 31, 2018 Proposal Date: Site Location Map:

Year: 2018

Instrument Type: Environmental Compliance Approval (project type: air) - EPA Part II.1-air

Off Instrument Name:

Posted By:

Company Name: Enviro-Grind Ltd. operating as Colautti Construction Ltd.

Site Address: **Location Other:** Proponent Name:

2562 Delzotto avenue Ottawa Ontario Canada K2J 6K7 Proponent Address:

**Comment Period:** 

URL:

Site Location Details:

Mobile Jaw Crusher Ottawa K1T 3V7 CITY OF OTTAWA

Northern Telecom Canada Limited, Ottawa Carling Campus Site:

Carling Campus, City of Ottawa CITY OF OTTAWA ON

IA8E0946 Decision Posted: EBR Registry No: Ministry Ref No: 8411698 Exception Posted:

Instrument Decision Notice Type: Section: Notice Stage: 800472369 Act 1: Notice Date: September 18, 1998 Act 2:

Proposal Date: July 02, 1998 Site Location Map:

1998 Year:

(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Instrument Type:

Database:

**EBR** 

Database:

**ECA** 

Order No: 20200205796

Off Instrument Name:

Posted By:

Company Name: Northern Telecom Canada Limited, Ottawa Carling Campus

Site Address: Location Other: Proponent Name:

Proponent Address: P.O. Box 3511, Station 'C', Ottawa Ontario, K1Y 4H7

Comment Period:

**URL:** 

Site Location Details:

Carling Campus, City of Ottawa CITY OF OTTAWA

Enviro-Grind Ltd. operating as Colautti Construction Ltd. Site:

Mobile Facility Ottawa ON K1T 3V7

2617-7QQKQB **MOE District:** Approval No: 2009-04-30 Approval Date: Citv: Status: Approved Longitude: Record Type: ECA Latitude: Link Source: **IDS** Geometry X:

SWP Area Name: Approval Type: **ECA-AIR** Project Type: AIR

Address: Mobile Facility

Full Address:

https://www.accessenvironment.ene.gov.on.ca/instruments/4433-7AXS7Q-14.pdf Full PDF Link:

Site: City of Ottawa Database: Carling Ave Ottawa ON K2G 6J8 **ECA** 

Geometry Y:

3723-9ATJC6 Approval No: MOE District:

Approval Date: 2013-08-30 City:

erisinfo.com | Environmental Risk Information Services

179

Status:ApprovedLongitude:Record Type:ECALatitude:Link Source:IDSGeometry X:SWP Area Name:Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Carling Ave

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf

Site: City of Ottawa Database: Works within an easement adjacent to Merivale Rd Ottawa ON K2G 6J8 ECA

 Approval No:
 0702-82CL4A
 MOE District:

 Approval Date:
 2010-02-08
 City:

 Status:
 Approved
 Longitude:

 Record Type:
 ECA
 Latitude:

 Link Source:
 IDS
 Geometry X:

SWP Area Name:

Approval Type:

Project Type:

Address:

Geometry Y:

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

MUNICIPAL AND PRIVATE SEWAGE WORKS

Works within an easement adjacent to Merivale Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9895-824SV6-14.pdf

Site: City of Ottawa Database: Carling Ave Ottawa ON K2G 6J8 ECA

Approval No: 2472-8GRQTN MOE District: 2011-05-20 Approval Date: 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: Carling Ave

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5823-8GCKK6-14.pdf

Site: City of Ottawa Database: Meath St between Carling Avenue and Thames Street Ottawa ON K2G 6J8 ECA

1397-A7MNKX Approval No: MOE District: Approval Date: 2016-03-04 City: Status: Approved Longitude: ECA Record Type: 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: Meath St between Carling Avenue and Thames Street
Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7879-A7DQXF-14.pdf

 Site:
 Database:

 Hwy 417 Ottawa ON
 EHS

Order No: 20120509053 Nearest Intersection:

Status: C Municipality:

 Report Type:
 Custom Report
 Client Prov/State:
 ON

 Report Date:
 5/16/2012
 Search Radius (km):
 0.25

 Date Received:
 5/9/2012
 X:
 -75.670099

Previous Site Name: Lot/Building Size: Additional Info Ordered: Y:

1

Site: R.W Tomlinson

LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database: GEN

Order No: 20200205796

Generator No: ON9834153 PO Box No:

Status:Country:CanadaApproval Years:2014Choice of Contact:CO\_OFFICIALContam. Facility:NoCo Admin:mark peraltaMHSW Facility:NoPhone No Admin:6138221867 Ext.

**SIC Code:** 237310

SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION

Detail(s)

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 146

Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Site: Carmelo Idone Database: Rear Merivale Rd. Ottawa ON K1Z 6A5 GEN

PO Box No:

Generator No: ON5601283

Status:Country:CanadaApproval Years:2015Choice of Contact:CO\_OFFICIAL

Contam. Facility:NoCo Admin:MHSW Facility:NoPhone No Admin:

**SIC Code:** 531120

SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)

Detail(s)

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: R.W Tomlinson Database: LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4 GEN

Generator No: ON9834153 PO Box No:

Status:Country:CanadaApproval Years:2015Choice of Contact:CO\_OFFICIALContam. Facility:NoCo Admin:mark peraltaMHSW Facility:NoPhone No Admin:6138221867 Ext.

**SIC Code:** 237310

SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION

Detail(s)

Waste Class: 146

Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252

WASTE OILS & LUBRICANTS Waste Class Desc:

7770251 CANADA INC Site: Database: MERIVALE ROAD OTTAWA ON

**GEN** 

Order No: 20200205796

ON6163455 PO Box No: Generator No: Country:

Status: Approval Years: 2013 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin:

SIC Code: 812320

DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED) SIC Description:

Detail(s)

Waste Class: 241

Waste Class Desc: HALOGENATED SOLVENTS

**GVT OF CAN-HEALTH&WELFARE CAN.MED.16-303** Database: Site: SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST. OTTAWA ON K1A 0L3 **GEN** 

ON0095617 Generator No: PO Box No: Status: Country:

Choice of Contact: Approval Years: 92,93,94,95,96,97 Contam. Facility: Co Admin: MHSW Facility: Phone No Admin:

8635 SIC Code:

SIC Description: PUB. HEALTH CLINICS

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

SHELL CANADA PRODUCTS LTD Site: Database: **PRT** MERIVALE RD OTTAWA ON

11000 Location ID: Type: retail Expiry Date: 1995-12-31 Capacity (L): 8280000 Licence #: 0022412017

SHELL CANADA PRODUCTS LTD. Site: Database: TANK TRUCK (CARGO) OTTAWA CITY ON SPL

Ref No: 30521 Discharger Report: Site No: Material Group:

Incident Dt: 2/2/1990 Health/Env Conseq:

Year: Client Type: Incident Cause: VALVE/FITTING LEAK OR FAILURE Sector Type:

Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Site Region: Contaminant UN No 1:

**Environment Impact:** Site Municipality: 20101

Nature of Impact: Site Lot: Receiving Medium: LAND / AIR Site Conc: Receiving Env: Northing:

Easting: MOE Response: Dt MOE Arvl on Scn:

Site Geo Ref Accu: 2/2/1990 MOE Reported Dt: Site Map Datum: Dt Document Closed: SAC Action Class:

Incident Reason: **ERROR** Source Type:

Site Name:

Site County/District: Site Geo Ref Meth: Incident Summary:

SHELL TANK TRUCK-50 L AVIATION FUEL TO ASPHALT

Contaminant Qty:

SHELL CANADA PRODUCTS LTD. Site:

TANK TRUCK (CARGO) OTTAWA CITY ON

**NOT ANTICIPATED** 

**EQUIPMENT FAILURE** 

Database: SPL

Database:

SPL

Order No: 20200205796

Ref No: 26231 Site No:

Incident Dt: 10/5/1989

Year:

Incident Cause: VALVE/FITTING LEAK OR FAILURE

Incident Event: Contaminant Code:

Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1:

Contaminant UN No 1:

Environment Impact: Nature of Impact:

Receiving Medium: LAND

Receiving Env: MOE Response:

Dt MOE Arvl on Scn:

MOE Reported Dt: Dt Document Closed:

Incident Reason: Site Name:

Site County/District:

Site Geo Ref Meth: Incident Summary:

Contaminant Qty:

Discharger Report: Material Group:

Health/Env Conseq: Client Type:

Sector Type:

Agency Involved: Nearest Watercourse: Site Address: Site District Office:

Site Postal Code: Site Region:

Site Municipality: Site Lot:

Site Conc: Northing:

**DEPT OF TRANSPORT** Easting: Site Geo Ref Accu:

20101

20101

Site Map Datum: SAC Action Class: Source Type:

Discharger Report:

Health/Env Conseq: Client Type:

Nearest Watercourse:

Site District Office:

Site Postal Code:

Material Group:

Sector Type: Agency Involved:

Site Address:

Site Region:

Northing:

SHELL CANADA - 120L JET FUEL TO TERMINAL RAMP

Site: SHELL CANADA PRODUCTS LTD.

TANK TRUCK (CARGO) OTTAWA CITY ON

8/7/1989

**EQUIPMENT FAILURE** 

10/5/1989

Ref No: 23253 Site No:

Incident Dt: Year.

Incident Cause: Incident Event:

Contaminant Code: Contaminant Name: Contaminant Limit 1:

Contam Limit Freq 1: Contaminant UN No 1: **Environment Impact:** 

Nature of Impact: Receiving Medium: LAND

MOE Response: Dt MOE Arvl on Scn:

Receiving Env:

MOE Reported Dt: Dt Document Closed: Incident Reason:

Site Name: Site County/District: Site Geo Ref Meth:

Incident Summary: Contaminant Qty:

//

VALVE/FITTING LEAK OR FAILURE

Site Municipality: Site Lot: Site Conc:

> Easting: Site Geo Ref Accu: Site Map Datum:

SAC Action Class: Source Type:

SHELL- 4.5 LTR SPILL OF JET FUEL AT UPLANDS AIRPORT

SHELL CANADA PRODUCTS LTD. Site:

TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 21872 Discharger Report:

Material Group: Site No:

Incident Dt: 7/11/1989 Health/Env Conseq: Year: Client Type:

Sector Type: PIPE/HOSE LEAK Incident Cause: Incident Event: Agency Involved: Nearest Watercourse: Contaminant Code: Site Address: Contaminant Name:

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region:

Site Municipality: 20101 **Environment Impact:** Nature of Impact: Site Lot:

Receiving Medium: LAND Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: 7/11/1989 MOE Reported Dt: Site Map Datum: Dt Document Closed: SAC Action Class: **EQUIPMENT FAILURE** Incident Reason: Source Type:

Site Name:

Site County/District: Site Geo Ref Meth:

Incident Summary: SHELL REFUELING VEHICLE- 70 L AVIATION FUEL TO GROUND.

Discharger Report:

Discharger Report:

Health/Env Conseq:

Material Group:

20101

Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.

TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 16382

Material Group: Site No: Incident Dt: 3/27/1989 Health/Env Conseq:

Year: Client Type: Incident Cause: VALVE/FITTING LEAK OR FAILURE Sector Type:

Agency Involved: Incident Event: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office:

Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region: **Environment Impact:** Site Municipality:

Nature of Impact: Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing:

MOE Response: Easting: Dt MOE Arvl on Scn: Site Geo Ref Accu:

MOE Reported Dt: 3/27/1989 Site Map Datum: **Dt Document Closed:** SAC Action Class: **EQUIPMENT FAILURE** Incident Reason: Source Type:

Site Name: Site County/District:

Site Geo Ref Meth:

UPLANDS AIRPORT - 20 L OF JET FUEL TO GROUND. Incident Summary:

Contaminant Qty:

SHELL CANADA PRODUCTS LTD. Site:

TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 8471 Site No:

8/22/1988

Incident Dt:

Year: Incident Cause:

Client Type: ABOVE-GROUND TANK LEAK Sector Type: Agency Involved: Database: SPL

Database:

Database:

SPL

Order No: 20200205796

Incident Event:

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:

Site Municipality: **Environment Impact:** 20101

Site Lot: Nature of Impact: Receiving Medium: LAND Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 8/22/1988 Site Map Datum: **Dt Document Closed:** SAC Action Class: Incident Reason: **ERROR** Source Type:

Site Name: Site County/District: Site Geo Ref Meth:

UPLANDS AIRPORT - 50 L OF JET FUEL TO PAVEMENT FROM TANK TRUCK. Incident Summary:

Contaminant Qty:

Site: **ONTARIO HYDRO** Database:

MERIVALE RD TRANSFORMER STATION TRANSFORMER NEPEAN CITY ON

Ref No: 5847 Discharger Report: Site No: Material Group: Incident Dt: Health/Env Conseq: 6/29/1988 Client Type: Year:

COOLING SYSTEM LEAK Incident Cause: Sector Type: Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse:

Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region:

**Environment Impact:** Site Municipality: 20104

Nature of Impact: Site Lot: Receiving Medium: Site Conc: LAND Receiving Env: Northing: Easting: MOE Response:

Dt MOE Arvl on Scn: Site Geo Ref Accu: **MOE** Reported Dt: 6/29/1988 Site Map Datum: Dt Document Closed: SAC Action Class: Source Type:

**EQUIPMENT FAILURE** Incident Reason:

Site Name: Site County/District:

Site Geo Ref Meth:

ONT HYDRO - 10 L PYRANOL TO GROUND AT TRANSFORMER STATION. Incident Summary:

Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD. Database: MERRIVALE ROAD BULK PLANT (N.O.S.) OTTAWA CITY ON SPL

Order No: 20200205796

Ref No: 52939 Discharger Report:

Site No: Material Group: Incident Dt: 6/24/1991 Health/Env Conseq: Year: Client Type:

UNDERGROUND TANK LEAK Incident Cause: 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: CONFIRMED** Site Municipality: 20101

Nature of Impact: Soil contamination Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing:

MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: 6/24/1991 MOE Reported Dt: Site Map Datum: Dt Document Closed: SAC Action Class: Incident Reason: **CORROSION** Source Type:

Site Name:

Ref No:

Site County/District: Site Geo Ref Meth: Incident Summary:

Contaminant Qty:

SHELL: FUEL FOUND IN EXCAVATION AT BULK TERMINAL

Site: SHELL CANADA PRODUCTS LTD.

SERVICE STATION OTTAWA CITY ON

SPL

60160 Site No: Incident Dt: 11/24/1991 Year:

LAND

11/25/1991

**CORROSION** 

OTHER CONTAINER LEAK

**NOT ANTICIPATED** 

Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1:

Contaminant UN No 1: Environment Impact:

Nature of Impact:

Receiving Medium: Receiving Env: MOE Response:

Dt MOE Arvl on Scn: MOE Reported Dt:

**Dt Document Closed:** Incident Reason: Site Name:

Site County/District:

Incident Summary: Contaminant Qty:

Site Geo Ref Meth:

Database:

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: Site Lot:

Site Conc: Northina: Easting:

SHELL, FIRE DEPT. TRIANGLE PUMP Site Geo Ref Accu:

20101

Site Map Datum: SAC Action Class: Source Type:

SHELL SERVICE STATION - 25 L. OF GASOLINE TO GROUND FROM LEAKY CAR

Site: OTTAWA TRANSIT

CARLING AVENUE BUS OTTAWA ON

Ref No: 187680 Site No:

Incident Dt: 9/29/2000 Year: PIPE/HOSE LEAK

Incident Cause: Incident Event: Contaminant Code: Contaminant Name:

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Environment Impact: Nature of Impact:

Receiving Medium: Receiving Env: MOE Response:

Dt MOE Arvl on Scn: MOE Reported Dt:

Dt Document Closed:

Incident Reason: Site Name:

Site County/District: Site Geo Ref Meth: Incident Summary:

9/29/2000

**POSSIBLE** 

WATER

**UNKNOWN** 

Water course or lake

erisinfo.com | Environmental Risk Information Services

Database:

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 Map Datum:

Source Type:

SAC Action Class:

Site Municipality: 20107

Site Lot: Site Conc:

Northing: Easting: Site Geo Ref Accu:

PUBLIC WORKS, FIRE DEPARTMENT

OC TRANSPO:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED

Order No: 20200205796

186

Year:

TRANSPORT TRUCK Database: Site: SPL QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Ref No: 224201 Discharger Report: Site No: Material Group: 4/19/2002 Incident Dt: Health/Env Conseq:

Client Type:

Incident Cause: OTHER TRANSPORTATION ACCIDENT Sector Type:

Agency Involved: Incident Event: OPP-KANATA: MTO Contaminant Code: Nearest Watercourse:

Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site Postal Code: Contaminant UN No 1: Site Region:

**Environment Impact: CONFIRMED** Site Municipality: 20107

Soil contamination Nature of Impact: Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 4/19/2002 Site Map Datum:

**Dt Document Closed:** SAC Action Class: Source Type:

Incident Reason: **ERROR** 

Site Name:

Site County/District: Site Geo Ref Meth:

Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.

Contaminant Qty:

Site: Unknown<UNOFFICIAL> Database: Hwy 417, near Queen Elizabeth Dr Ottawa ON SPL

4563-B32N6F Ref No: Discharger Report: Site No: NA Material Group:

2018/07/26 Health/Env Conseq: 0 - No Impact Incident Dt:

Client Type: Year:

Sector Type: Miscellaneous Industrial Incident Cause:

Agency Involved: Incident Event: Collision/Accident

Nearest Watercourse: Contaminant Code:

HYDRAULIC OIL Hwy 417, near Queen Elizabeth Dr Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Ottawa Site Postal Code:

Contam Limit Freg 1: n/a

Contaminant UN No 1: n/a Site Region: Eastern Environment Impact: Site Municipality: Ottawa Nature of Impact: Site Lot:

Receiving Medium: Site Conc: Receiving Env: Land; Source Water Zone Northing:

MOE Response: Yes Easting:

Dt MOE Arvl on Scn: 2018/07/26 Site Geo Ref Accu: MOE Reported Dt: 2018/07/26 Site Map Datum:

**Dt Document Closed:** 2018/07/31 Highway Spills (usually highway accidents) SAC Action Class:

Incident Reason: Operator/Human Error Source Type: Motor Vehicle

Site Name: CB & asphalt<UNOFFICIAL>

Site County/District: Site Geo Ref Meth:

Incident Summary: MVA; hydraulic oil to CB on hwy 417; unknown containment/cleanup

0 other - see incident description Contaminant Qty:

Shell Canada Products Limited Site: Database: SPL Shell Canada Ottawa ON

Order No: 20200205796

Ref No: 6267-5M2K7H Discharger Report: Site No:

Oil Material Group:

Incident Dt: 4/28/2003 Health/Env Conseq:

Year: Client Type: Incident Cause: Sector Type:

> Agency Involved: Nearest Watercourse:

> > Spills

Order No: 20200205796

Site Address:

Source Type:

**GASOLINE** Contaminant Name: Contaminant Limit 1: Site District Office: Ottawa

Site Postal Code:

Contaminant UN No 1: Site Region: Fastern Possible Site Municipality: Ottawa

Site Lot: Other Impact(s) Land Site Conc: Northing: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: 4/28/2003 MOE Reported Dt: Site Map Datum:

**Dt Document Closed:** SAC Action Class:

LOADING RACK 1<UNOFFICIAL> Site Name:

Site County/District: Site Geo Ref Meth:

Incident Event:

Contaminant Code:

Contam Limit Freq 1:

**Environment Impact:** 

Nature of Impact:

Receiving Env:

MOE Response:

Incident Reason:

Receiving Medium:

Shell - 1L gasoline Incident Summary:

12

Contaminant Qty:

TRANSPORT TRUCK Site: Database: HWY. 417 MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

191523 Discharger Report: Ref No: Site No: Material Group: Incident Dt: 12/4/2000 Health/Env Conseq: Client Type: Year:

Incident Cause: TRUCK/TRAILER OVERTURN Sector Type: Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address:

Site District Office: Contaminant Limit 1: Contam Limit Freg 1: Site Postal Code: Contaminant UN No 1: Site Region:

**Environment Impact: POSSIBLE** Site Municipality: 20107 Nature of Impact: Soil contamination Site Lot:

Receiving Medium: LAND Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: **MOE** Reported Dt: 12/4/2000 Site Map Datum: **Dt Document Closed:** SAC Action Class: Source Type:

Incident Reason: **OTHER** 

Site Name: Site County/District:

Site Geo Ref Meth:

Incident Summary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.

Contaminant Qty:

Site: NATIONAL GROCERS Database: SPL MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Ref No: 191981 Discharger Report:

Site No: Material Group: 12/13/2000 Health/Env Conseq: Incident Dt:

Year: Client Type: Incident Cause: CONTAINER OVERFLOW Sector Type: Incident Event: Agency Involved: Nearest Watercourse: Contaminant Code: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office:

Contam Limit Freg 1: Site Postal Code: Contaminant UN No 1: Site Region:

**NOT ANTICIPATED Environment Impact:** Site Municipality: 20107

Nature of Impact: Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 12/13/2000 Site Map Datum: Dt Document Closed:

Incident Reason:

Site Name:

Site County/District: Site Geo Ref Meth: Incident Summary:

Contaminant Qty:

SAC Action Class: **OTHER** Source Type:

NATIONAL GROCERS-14L ENG-INE OIL TO PVMT ONLY; NO DRAINS. CLEANING.

Site: City of Ottawa

OC Transpo: 10L engine oil to grnd on Hwy 417

3043-7QMTYH Ref No: Site No: Material Group: Health/Env Conseq:

Incident Dt: Year:

Incident Cause: Pipe Or Hose Leak

Highway 417 Ottawa ON

Incident Event: Contaminant Code:

**ENGINE OIL** Contaminant Name:

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Environment Impact: Not Anticipated Other Impact(s) Nature of Impact:

Receiving Medium: Receiving Env: MOE Response:

Dt MOE Arvl on Scn: MOE Reported Dt:

**Dt Document Closed:** Incident Reason:

Site Name: Site County/District:

Site Geo Ref Meth: Incident Summary:

Site:

Ref No:

Site No:

Contaminant Qty:

10 L

Unknown - Reason not determined

Hwy 417 Westbound near Carling off-ramp Ottawa ON 6127-8K6T47

3/30/2009

7/27/2011 Incident Dt: Year:

Drain-All Ltd.

Incident Cause: Incident Event:

Contaminant Code: 15

Contaminant Name: MOTOR OIL Contaminant Limit 1:

Contam Limit Freq 1: Contaminant UN No 1:

Environment Impact: Nature of Impact: Receiving Medium:

Receiving Env: MOE Response:

Dt MOE Arvl on Scn:

MOE Reported Dt: **Dt Document Closed:** 

7/27/2011

No Field Response

Pipe Or Hose Leak

Not Anticipated

Equipment/Vehicles

Discharger Report:

Client Type: Sector Type: Agency Involved:

Nearest Watercourse: Site Address: Site District Office:

Site Postal Code: Site Region: Site Municipality:

Site Lot: Site Conc: Northing:

NA Easting: NA Site Geo Ref Accu:

Site Map Datum: SAC Action Class:

Source Type: EB Merge Lane Hwy 417 & Eagleson Road

Primary Assessment of Incident

Other

Ottawa

Database:

Database: **SPL** 

SPL

Discharger Report: Material Group:

Health/Env Conseq:

Client Type:

Sector Type: Motor Vehicle

Agency Involved: Nearest Watercourse: Hwy 417 Westbound near Carling off-ramp

Site Address: Site District Office:

Site Postal Code: Site Region:

Site Municipality: Ottawa Site Lot:

Site Conc: Northing: Easting:

Site Geo Ref Accu: Site Map Datum:

SAC Action Class: Source Type:

Highway Spills (usually highway accidents)

erisinfo.com | Environmental Risk Information Services

189

Incident Reason:

Site Name: Queensway Hwy 417<UNOFFICIAL>

Site County/District: Site Geo Ref Meth:

Incident Summary: 10 L's of motor oil to Queensway, cleaned

Contaminant Qty: 10 L

SHELL CANADA PRODUCTS LTD. Site:

TANK TRUCK (CARGO) OTTAWA CITY ON

Database: SPL

Ref No: 81836 Discharger Report:

Site No: Material Group:

Incident Dt: 2/14/1993 Health/Env Conseq: Client Type: Year:

Incident Cause: PIPE/HOSE 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: NOT ANTICIPATED** Site Municipality: 20101

Nature of Impact: Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing:

MOE Response: Easting: Dt MOE Arvl on Scn: Site Geo Ref Accu:

MOE Reported Dt: 2/14/1993 Site Map Datum: **Dt Document Closed:** SAC Action Class: **ERROR** Incident Reason: Source Type:

Site Name: Site County/District: Site Geo Ref Meth:

Incident Summary: SHELL-25L OF JET A-1 FUELTO GROUND DURING FUELLINGCONTAINED, CLEANED UP.

Contaminant Qty:

HOTEL/MOTEL Site: Database: CARLING AVENUE (N.O.S.) OTTAWA CITY ON

Discharger Report: Ref No: 84065

Material Group: Site No: 4/14/1993 Health/Env Conseq: Incident Dt:

Year: Client Type:

Sector Type: UNDERGROUND TANK LEAK Incident Cause: Incident Event: Agency Involved: Nearest Watercourse: Contaminant Code: Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Site Postal Code: Contam Limit Freq 1: Contaminant UN No 1: Site Region:

**Environment Impact:** CONFIRMED Site Municipality: 20101 Nature of Impact: Soil contamination Site Lot:

Receiving Medium: LAND Site Conc: Receiving Env: Northing:

MOE Response: Easting: **MCCR** 

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 4/14/1993 Site Map Datum: **Dt Document Closed:** SAC Action Class: CORROSION Incident Reason: Source Type:

Site Name: Site County/District: Site Geo Ref Meth:

Incident Summary: EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK

Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD. Database:

> Order No: 20200205796 erisinfo.com | Environmental Risk Information Services

#### TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 84404 Discharger Report:

Site No: Material Group:
Incident Dt: 4/21/1993 Health/Env Conse

Incident Dt: 4/21/1993 Health/Env Conseq: Year: Client Type:

Incident Cause: VALVE/FITTING LEAK OR FAILURE Sector Type:
Incident Event: Agency Involved:

Contaminant Code:

Contaminant Name:

Contaminant Limit 1:

Nearest Watercourse:

Site Address:

Site District Office:

Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region:

Environment Impact:NOT ANTICIPATEDSite Municipality:20101Nature of Impact:Site Lot:

Receiving Medium:LANDSite Conc:Receiving Env:Northing:MOE Response:Easting:

Dt MOE Arvl on Scn:Site Geo Ref Accu:MOE Reported Dt:4/22/1993Site Map Datum:Dt Document Closed:SAC Action Class:Incident Reason:ERRORSource Type:

Site Name: Site County/District:

Site Geo Ref Meth:
Incident Summary:
SHELL CANADA - 40 L OF AVIATION FUEL AT GATE A DUE TO TRUCK LEAK

Contaminant Qty:

Database:

SPL

SPL

Order No: 20200205796

<u>Site:</u> SHELL CANADA PRODUCTS LTD. TANK TRUCK (CARGO) OTTAWA CITY ON

TANK TROCK (CARGO) OTTAWA CITY ON

Ref No: 81843 Discharger Report:

Site No: Material Group:
Incident Dt: 2/14/1993 Health/Env Conseq:

Year: Client Type: VAI VE/EITTING LEAK OR FAILURE Sector Type:

Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Agency Involved:

Note: Type:
Agency Involved:

Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:

Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:

Environment Impact: NOT ANTICIPATED Site Municipality: 20101

Nature of Impact:Site Lot:Receiving Medium:LANDSite Conc:Receiving Env:Northing:

Receiving Env:

MOE Response:

Dt MOE Arvl on Scn:

Northing:

Easting:

Site Geo Re

 Dt MOE Arvl on Scn:
 Site Geo Ref Accu:

 MOE Reported Dt:
 2/14/1993

 Dt Document Closed:
 SAC Action Class:

 Incident Reason:
 UNKNOWN

 Source Type:

Site Name: Site County/District: Site Geo Ref Meth:

Incident Summary: SHELL CANADA - 20 L OF AVIATION FUEL TO RAMP DUE TO TRUCK LEAK

Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD. Database:

Ref No: 41659 Discharger Report:

MERRIVALE ROAD SERVICE STATION NEPEAN CITY ON

Site No: Material Group:
Incident Dt: 10/3/1990 Health/Env Conseq:
Year: Client Type:

 Incident Cause:
 UNDERGROUND TANK 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:

Site Municipality:

20104

na

Nature of Impact: Soil contamination Site Lot: LAND Receiving Medium: Site Conc: Receiving Env: Northing: MOE Response: Easting:

**POSSIBLE** 

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 10/3/1990 Site Map Datum: Dt Document Closed: SAC Action Class: Incident Reason: UNKNOWN Source Type:

Site Name: Site County/District: Site Geo Ref Meth:

Environment Impact:

Incident Summary: SHELL: 3 000 L GASOLINE LOST FROM LEAKY UNDERGROUND STORAGE TANK

Contaminant Qty:

Site:

lot 34 ON

Well ID: 1527049 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Date Received: 5/6/1993 Sec. Water Use: Selected Flag: Yes

Final Well Status: Abandonment Rec: 1558 Water Type: Contractor: Casing Material: Form Version: 1

Audit No: 130023 Owner: Street Name: Tag:

**Construction Method:** County: OTTAWA-CARLETON Elevation (m): Municipality: **NEPEAN TOWNSHIP** 

Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 034

Well Depth: Concession: Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

**Bore Hole Information** 

10048728 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: Code OB Desc: all layers are unknown type North83: Open Hole: Org CS:

Cluster Kind: **UTMRC**:

Date Completed: 4/7/1993 **UTMRC Desc:** unknown UTM Location Method:

Remarks: Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: **Source Revision Comment:** 

**Supplier Comment:** 

Overburden and Bedrock Materials Interval

931065883

Formation ID: Layer:

Color:

Order No: 20200205796

Database:

**WWIS** 

General Color:

Mat1:

Most Common Material: **UNKNOWN TYPE** 

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0 Formation End Depth: 53 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 933112168

Layer: 0 Plug From: Plug To: 53 Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

**Method Construction ID:** 

**Method Construction Code:** 0

**Method Construction:** Not Known

Other Method Construction:

Pipe Information

Pipe ID: 10597298

Casing No:

Comment: Alt Name:

Site: Database: lot 34 ON

Data Entry Status:

Yes

18

Order No: 20200205796

Selected Flag:

Street Name:

Data Src:

Well ID: 1520330

**Construction Date:** 

Primary Water Use: Domestic Date Received: 1/21/1986

Sec. Water Use:

Final Well Status: Water Supply

Abandonment Rec: Water Type: Contractor: 1558 Casing Material: Form Version: 1 Owner:

Audit No:

Tag:

OTTAWA-CARLETON **Construction Method:** County: Elevation (m): Municipality: **NEPEAN TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 034

Well Depth: Concession:

Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Zone:

Flowing (Y/N): UTM Reliability:

Flow Rate: Clear/Cloudy:

**Bore Hole Information** 

Bore Hole ID: 10042173 Elevation: DP2BR: 82 Flevro:

Spatial Status: Zone:

East83: Code OB: Code OB Desc: Bedrock North83:

Open Hole: Cluster Kind:

Date Completed:

Remarks: Elevrc Desc: 10/3/1985

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock **Materials Interval** 

Formation ID: 931044418

Layer: 2 Color: General Color: **GREY** Mat1: 11 Most Common Material: **GRAVEL** Mat2: 13

**BOULDERS** 

Other Materials: Mat3:

Other Materials:

Formation Top Depth: 64 Formation End Depth: 82 Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

931044419 Formation ID:

Layer: 5 Color: 2 General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

82 Formation Top Depth: Formation End Depth: 125 Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931044416

Layer: 2 Color: **GREY** General Color: Mat1: 05 CLAY Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

8 Formation Top Depth: 56 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931044417 Org CS: UTMRC:

9 UTMRC Desc: unknown UTM

Location Method: na

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

Most Common Material: HARDPAN

*Mat2:* 13

Other Materials: BOULDERS

Mat3:

Other Materials:

Formation Top Depth: 56
Formation End Depth: 64
Formation End Depth UOM: ft

# Overburden and Bedrock

Materials Interval

**Formation ID:** 931044415

**Layer:** 1 **Color:** 6

Mat3:

Other Materials:

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

#### Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

#### Pipe Information

**Pipe ID:** 10590743

Casing No:

Comment: Alt Name:

#### Construction Record - Casing

**Casing ID:** 930073605

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:88Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

# Construction Record - Casing

**Casing ID:** 930073606

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 125 Casing Diameter: 6

Casing Diameter UOM: inch Casing Depth UOM: ft

#### Results of Well Yield Testing

**Pump Test ID:** 991520330

Pump Set At:

Static Level: 50 Final Level After Pumping: 65 Recommended Pump Depth: 75 7 Pumping Rate: Flowing Rate: Recommended Pump Rate: 5 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code:

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:934377369Test Type:Draw Down

Test Duration: 30
Test Level: 65
Test Level UOM: ft

#### **Draw Down & Recovery**

Pump Test Detail ID:934656123Test Type:Draw Down

 Test Duration:
 45

 Test Level:
 65

 Test Level UOM:
 ft

# **Draw Down & Recovery**

Pump Test Detail ID: 934110848
Test Type: Draw Down

Test Duration: 15
Test Level: 65
Test Level UOM: ft

#### **Draw Down & Recovery**

Pump Test Detail ID:934905512Test Type:Draw Down

Test Duration: 60
Test Level: 65
Test Level UOM: ft

#### Water Details

*Water ID:* 933477551

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 120

 Water Found Depth UOM:
 ft

<u>Site:</u> Database:

#### Ottawa ON

*Well ID:* 7290688

Construction Date:

Primary Water Use: Test Hole

Sec. Water Use:

Final Well Status: Observation Wells

Water Type:

Casing Material:

**Audit No:** Z261473 **Tag:** A228339

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: 7/19/2017 Selected Flag: Yes

HWY 417 WEST

Order No: 20200205796

Abandonment Rec:

Contractor: 7579 Form Version: 7

Owner: Street Name:

County:
Municipality:
Site Info:
Lot:
Concession:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

#### **Bore Hole Information**

**Bore Hole ID:** 1006636095

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 7/4/2017

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: Elevrc: Zone: East83: North83:

Org CS: UTM83 UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: wwr

# Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 1006753724

 Layer:
 3

 Color:
 8

 General Color:
 BLACK

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 42
Formation End Depth: 72.5
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 1006753723

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: 06
Other Materials: SILT

Mat3:

Other Materials:

Formation Top Depth: 20 Formation End Depth: 42 Formation End Depth UOM: ft

# Overburden and Bedrock

Materials Interval

**Formation ID:** 1006753722

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 28

 Other Materials:
 SAND

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

#### Annular Space/Abandonment

Sealing Record

**Plug ID:** 1006753731

 Layer:
 1

 Plug From:
 0

 Plug To:
 72.5

 Plug Depth UOM:
 ft

#### Pipe Information

**Pipe ID:** 1006753721

Casing No:

Comment: Alt Name:

#### Construction Record - Casing

**Casing ID:** 1006753727

Layer: 1

Material:

Open Hole or Material:

Depth From: 0
Depth To: 72.5
Casing Diameter: 2.5
Casing Diameter UOM: inch
Casing Depth UOM: ft

#### **Construction Record - Screen**

**Screen ID:** 1006753728

Layer: Slot:

Screen Top Depth:

Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

# Hole Diameter

**Hole ID:** 1006753725

 Diameter:
 3.63

 Depth From:
 0

 Depth To:
 72.5

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

# 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

AGR

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** 

Order No: 20200205796

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-Jul 31, 2019

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

<u>Chemical Register:</u> 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-Jul 31, 2019

#### **Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Nov 2019

#### Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

Order No: 20200205796

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-Nov 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-Dec 31, 2019

<u>Drill Hole Database:</u>

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:

**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

Provincial

Provincial

Federal

Provincial

Order No: 20200205796

**FCA** 

**EEM** 

Government Publication Date: Oct 2011-Dec 31, 2019

Provincial **Environmental Registry: EBR** 

activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Dec 31, 2019

#### **Environmental Compliance Approval:**

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-Dec 31, 2019

#### **Environmental Effects Monitoring:**

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\*

Private ERIS Historical Searches: **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-Oct 31, 2019

#### **Environmental Issues Inventory System:**

Federal FIIS

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:

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, 2018

#### List of Expired Fuels Safety Facilities:

Provincial

XP

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.

Government Publication Date: Jun 2000-Nov 2019

#### Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

**FED TANKS** 

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

#### 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 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

Order No: 20200205796

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Oct 31, 2019

#### **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:

ederal

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 2019

### National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

Order No: 20200205796

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-Dec 31, 2019

#### 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

Order No: 20200205796

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:

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-Aug 31, 2019

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-Dec 31, 2019

<u>Canadian Pulp and Paper:</u> 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-Dec 2019

Provincial PINC 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

Order No: 20200205796

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996\*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Dec 31, 2019

#### Ontario Regulation 347 Waste Receivers Summary:

Provincial

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-Nov 2019

Retail Fuel Storage Tanks:

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-Jul 31, 2019

#### 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-Jun 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

Order No: 20200205796

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: 2011-Dec 31, 2019

#### 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** 

Order No: 20200205796

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**

<u>Database Descriptions:</u> This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

<u>Detail Report</u>: 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.

<u>Distance:</u> The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

<u>Direction</u>: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

<u>Elevation:</u> 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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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 3**

**QUALIFICATIONS OF ASSESSORS** 

# Mandy Witteman, B.Eng., M.A.Sc.



# **POSITION**

Intermediate Environmental Engineer

# **EDUCATION**

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

# **MEMBERSHIPS & AWARDS**

Ontario Professional Engineers Association (EIT) NSERC Industry R&D Scholarship

# **EXPERIENCE**

2018 - Present

#### Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 - 2015

# **Thurber Engineering Limited**

Oil Sand Tailings Group Tailings Engineer

2009 - 2014

# **Carleton University**

Department of Civil & Environmental Engineering Research Engineer, Research Assistant & Teaching Assistant

2008 - 2009

# **SLR Consulting Limited**

Contaminated Sites
Junior Environmental Engineer

# **SELECTED LIST OF PROJECTS**

Phase I & II Environmental Site Assessments – NRC, Kingston Remediation – National Capital Region, Saskatchewan Multi-lift and dry-stacking pilot programs – Northern Alberta Polymer amended oil sand tailings – Northern Alberta Hydraulic cut-off wall – Allen, Saskatchewan Cemented paste backfill systems – Northern Ontario

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# Mark S. D'Arcy, P. Eng.

# patersongroup

Geotechnical Engineering

Environmental Engineering

**Hydrogeology** 

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

# **POSITION**

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

## **EDUCATION**

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

#### **MEMBERSHIPS**

Ottawa Geotechnical Group Professional Engineers of Ontario

#### **EXPERIENCE**

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

# **SELECT LIST OF PROJECTS**

Mary River Exploration Mine Site - Northern Baffin Island

Agricultural Supply Facilities - Eastern Ontario

Laboratory Facility – Edmonton (Alberta)

Ottawa International Airport - Contaminant Migration Study - Ottawa

Richmond Road Reconstruction - Ottawa

Billings Hurdman Interconnect - Ottawa

Bank Street Reconstruction - Ottawa

Environmental Review - Various Laboratories across Canada - CFIA

Dwyer Hill Training Centre - Ottawa

Nortel Networks Environmental Monitoring - Carling Campus - Ottawa

Remediation Program - Block D Lands - Kingston

Investigation of former landfill sites - City of Ottawa

Record of Site Condition for Railway Lands - North Bay

Commercial Properties - Guelph and Brampton

Brownfields Remediation - Alcan Site - Kingston

Montreal Road Reconstruction - Ottawa

Appleford Street Residential Development - Ottawa

Remediation Program - Ottawa Train Yards

Remediation Program - Bayshore and Heron Gate

Gladstone Avenue Reconstruction – Ottawa

Somerset Avenue West Reconstruction - Ottawa