Phase I Environmental Site Assessment
Part of 4200 Innes Road, Ottawa, Ontario

Client:
Ironclad Developments Incorporated

Type of Document:
Final

Project Name:
Phase I Environmental Site Assessment

Project Number:
OTT-22012077-A0

Prepared By:
Leah Wells, P.Eng.

Reviewed By:
Mark McCalla, P. Geo.

EXP Services Inc.
100-2650 Queensview Drive
Ottawa, Ontario K2B 8H6
t: +1.613.688.1899
f: +1.613.225.7337

Date Submitted:
2022-06-02

Legal Notification

This report was prepared by EXP Services Inc. for the account of **Ironclad Development Incorporated.**

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this project.

Table of Contents

List of Figures

List of Appendices

Executive Summary

EXP Services Inc. (EXP) was retained by Ironclad Developments to complete a Phase I Environmental Site Assessment (ESA) for part of the property located at 4200 Innes Road in Ottawa, Ontario hereinafter referred to as the 'Site'. At the time of the investigation, the Site was vacant.

The purpose of this Phase I ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Site. It is understood that the report will be used for due diligence purposes with regards to financing.

The Phase I ESA was completed in general accordance with CSA Standard Z768-01 (R2016). Subject to this standard of care, EXP makes no express or implied warranties regarding its services to any third-party, and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

The Site is part of a larger property parcel, 4200 Innes Road, which is located east of Mer-Bleue Road and south of Innes Road. The Site is rectangular in shape and has an area of approximately 0.93 hectares (2.3 acres).

The property at 4200 Innes Road, including the Site, is undeveloped and used for agricultural purposes. The Site is part of a larger property with the legal description Part of Lot 1, Concession 11 (Geographic Township of Cumberland), City of Ottawa, Ontario.

The nearest water body is Bilberry Creek, located approximately 575 m north of the Site. The inferred groundwater flow direction is north towards the Ottawa River.

Based on a review of historical aerial photographs, historical maps, and other records the Site has never been developed. The Site has been used for agricultural purposes since at least 1976.

Based on the Phase I ESA findings, including site observations, information provided by the site representative, the review of environmental databases, available historical information, and the pending information requested from the Ministry of Environment, Conservation and Parks (MECP), no areas of potential environmental concern were identified at the Site.

EXP does not recommend any additional environmental work at the subject site.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

1.0 Introduction

EXP Services Inc. (EXP) was retained by Ironclad Developments to complete a Phase I Environmental Site Assessment (ESA) for part of the property located at 4200 Innes Road in Ottawa, Ontario hereinafter referred to as the 'Site'. At the time of the investigation, the Site was vacant.

1.1 Objective

The purpose of this Phase I ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Site. It is understood that the report will be used for due diligence purposes with regards to financing. In the future, the Site will be developed with multi-unit residential buildings with one level of underground parking.

The Phase I ESA was completed in general accordance with CSA Standard Z768-01 (R2016). Subject to this standard of care, EXP makes no express or implied warranties regarding its services to any third-party, and no third-party beneficiaries re intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

1.2 Site Description

The Site is part of a larger property parcel, 4200 Innes Road, which is located east of Mer-Bleue Road and south of Innes Road. The Site is rectangular in shape and has an area of approximately 0.93 hectares (2.3 acres). The Site location is shown on Figure 1 in Appendix A.

The property at 4200 Innes Road, including the Site, is undeveloped and used for agricultural purposes. The Site is part of a larger property with the legal description Part of Lot 1, Concession 11 (Geographic Township of Cumberland), City of Ottawa, Ontario.

The nearest water body is Bilberry Creek, located approximately 575 m north of the Site. It is anticipated that groundwater flows to the north towards the Ottawa River.

2.0 Scope of Investigation

The scope of work for the Phase I ESA consisted of the following activities:

- Reviewing the historical occupancy of the Site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Reviewing municipal and provincial records to determine whether activities that have occurred within the Phase I study area pose a potential environmental concern to the Site;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Site and surrounding properties within a 150-metre radius of the Site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Site;
- Conducting a reconnaissance of the Site and surrounding properties within a 150-metre radius of the Site in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated representative(s) as a resource for current and historical information;
- Reviewing the current use of the Phase I property and any land use practices that may have impacted its environmental condition; and
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses, or monitoring. EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

EXP personnel who conducted assessment work for this project included Leah Wells, P.Eng., and Mark McCalla, P.Geo. An outline of their qualifications is provided in Section 7.0.

3.0 Records Review

3.1 Phase I ESA Study Area Determination

For the purpose of this assignment, the Phase I study area consists of neighbouring properties within a distance of approximately 150 metres from the Site boundaries. The Phase I study area is bounded by agricultural land in all directions. Commercial properties are present further to the north and west along Innes Road and Mer-Bleue Road. The Phase I study area is shown on Figure 2 in Appendix A.

According to the City of Ottawa zoning by-laws, the Site is zoned arterial main street. Surrounding properties to the north and west are also zoned arterial main street. Properties to the east and south are zoned for general industrial use.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, historical maps, and other records the Site has never been developed. The Site has been used for agricultural purposes since at least 1976.

3.3 Fire Insurance Plans

A search of The Catalogue of Canadian Fire Insurance Plans 1875 – 1975 (Catalogue) was conducted. No Fire Insurance Plans (FIPs) were available for review.

3.4 Chain of Title

Based on the historical information available, a chain of title was not required for the Site.

3.5 Environmental and Geotechnical Reports

The following environmental reports concerning the Site were available for review:

1. Paterson Group Inc., *Phase One Environmental Site Assessment, 4200 Innes Road, Ottawa, Ontario*, March 2018.

   The Phase I ESA assessed the entire property located at 4200 Innes Road, which includes the Site. At the time of the investigation the property was undeveloped and consisted of agricultural fields. Fill piles were identified on the west part of the property, which appear to have been generated from residential construction on an adjacent property. A former automotive service garage was present at 2025 Mer-Bleue Road and was identified as a potentially contaminating activity (PCA). Due to the separation distance with respect to the property, the former service garage was not considered to result in an area of potential environmental concern (APEC). No environmental concerns were identified, and no additional environmental investigation was recommended.

2. Paterson Group Inc., *Phase I Environmental Site Assessment Update – Vacant Property, 4200 Innes Road, Ottawa, Ontario*, December 2021.

   The Phase I ESA was an update to the report completed in 2018. No so significant changes to the property had occurred since 2018. No environmental concerns were identified, and no additional environmental investigation was recommended.

Based on a review of previous investigations no environmental concerns to the Site were identified. Fill piles were identified on the larger 4200 Innes Road property (west of the Site), but no fill material appeared to be present at the Site.

3.6 Environmental Source Information

Information pertaining to the Site was obtained by reviewing documents that are available to the public through municipal and provincial sources. EXP did not identify the need to contact any federal agencies.

Written responses from regulatory agencies and copies of documents obtained via searches are provided in Appendix B.

3.6.1 Ontario Ministry of the Environment, Conservation and Parks Records

On May 13, 2022, records pertaining to the Site were requested from the Ministry of the Environment, Conservation and Parks (MECP) through the *Freedom of Information and Protection of Privacy Act* (FOI). To date, no response has been received. If environmentally significant information is obtained from the MECP search, it will be provided as an addendum to this report. A copy of the request is provided in Appendix C.

3.6.2 Historical Land use Inventory

On May 13, 2022, EXP requested records for the site and surrounding are from the City of Ottawa Hazardous Land Use Inventory (HLUI) database. To date, no response has been received. If environmentally significant information is obtained from the HLUI search, it will be provided as an addendum to this report. A copy of the request is provided in Appendix C.

3.6.3 Environmental Access & Environmental Registry

On May 15, 2022, the MECP Environmental Access and MECP Environmental Registry websites were searched for postings within the Phase I study area. No records were found.

3.6.4 Hazardous Waste Information Network

On May 15, 2022, the MECP Hazardous Waste Information Network (HWIN) website was searched for registered waste generators within the Phase I study area. No records were found.

3.6.5 Records of Site Condition

On May 12, 2022, the MECP Brownfields Registry website was searched for postings of Records of Site Condition (RSC) within the Phase I study area. No records were found within the Phase I study area.

3.6.6 Coal Gasification Plants

Documents entitled *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario* prepared by the MECP and *Inventory of Coal Gasification Plant Waste Sites in Ontario* prepared by Intera, April 1987. were reviewed. There were no coal gasification plants identified within the Phase I study area.

3.6.7 Former Industrial Sites

The document entitled *Mapping and Assessment of Former Industrial Sites – City of Ottawa* prepared by Intera, July 1988 was reviewed. This document does not include the Phase I study area.

3.6.8 PCB Storage Sites

The document entitled *Ontario Inventory of PCB Storage Sites* prepared by the MECP was reviewed. No records were found for the Phase I study area.

3.6.9 Waste Disposal Sites

Documents entitled *Old Landfill Management Strategy, Phase 1, Identification of Sites, City of Ottawa, Ontario* prepared by Golder Associates Ltd., October 2004 and *Waste Disposal Site Inventory* prepared by the MECP were reviewed. No former landfills or waste disposal sites were identified within the Phase I study area.

3.6.10 Street Directories

There are no city directories available for the Phase I study area.

3.7 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the Site and properties within the Phase I study area was conducted by EcoLog ERIS. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A copy of the EcoLog ERIS report is provided in Appendix C.

Approximately 10 L of spilled transformer oil was reported by Hydro One at 2127 Mer Bleue Road, the south adjacent property. However, as the south adjacent property is a driving range, it is likely the spill actually occurred in the hydro corridor to the south which has no municipal address. The hydro corridor is located over 200 m from the Site and the spill is not considered environmentally significant.

No other records were present within the Phase I study area. Based on the review of the ERIS report, no environmental concerns to the Site were identified.

3.8 Physical Setting Sources

3.8.1 Aerial Photographs

Aerial photographs dated 1976, 1991, 1999, 2005, 2011, 2014, and 2019 were reviewed. The following table summarizes the development and land use history of the Site and adjacent properties as depicted on the reviewed aerial photographs.

Aerial Photograph (year)	Details
1976	The Site and study area consist of agricultural land. Innes Road and Mer-Bleue Road are present in their current configuration. A farmhouse and barn are present to the northwest of the Site. Several residences are present along Mer-Bleue Road and Innes Road.
1991	The Site and Phase I study area are similarly developed to the 1976 aerial photograph.
1999	The Site and Phase I study area are similarly developed to the 1991 aerial photograph.
2005	The Site is undeveloped similarly to the 1999 aerial photograph. Construction has begun on a commercial development to the north of the Site along Innes Road. The remainder of the Phase I study area is similarly developed to the 1999 aerial photograph.
2011	The Site and Phase I study area are similarly developed to the 2005 aerial photograph.
2014	The Site is undeveloped similarly to the 2011 aerial photograph. Construction has begun on a future car dealership to the west of the Site along Mer-Bleue Road. The remainder of the Phase I study area is similarly developed to the 2011 aerial photograph.
2019	The Site and Phase I study area are similarly developed to the 2014 aerial photograph.

Based on the review of the aerial photography, no additional environmental concerns were identified.

3.8.2 Topography, Hydrology, Geology

Bedrock and surficial geology were reviewed via the Google Earth applications published by the Ontario Ministry of Energy, Northern Development and Mines. The bedrock geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/bedrock-geology and was last modified on March 19, 2018. The surficial geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology and was last modified on May 23, 2017.

Based on the above information, the bedrock geology underlying the Site consists of interbedded limestone and dolomite of the Gull River Formation. Surficial geology consists of fine-grained deposits of silt and clay.

3.8.3 Fill Materials

It is not anticipated that any fill materials are present at the Site. The upper soil layers likely consist of reworked native material from agricultural operations.

3.8.4 Water Bodies and Areas of Natural Significance

The nearest water body is Bilberry Creek, located approximately 575 m north of the Site. The inferred groundwater flow direction is north towards the Ottawa River.

No Areas of Natural Significance (ANSI) are present in the Phase I study area, according to the Ministry of Natural Resources and Forestry Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

3.8.5 Well Records

The Ontario well records website (https://www.ontario.ca/page/map-well-records) was accessed. There are no well records present in the Phase I study area.

3.9 Site Operating Records

No site operating records were available for review.

3.10 Summary of Records Review

Based on a review of the available records, no PCAs resulting in APECs were identified.

4.0 Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable about both the current and historical site uses. The purpose of interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the Site.

Mr. Mauro Pambianchi, Chief Development Officer of SmartCentres REIT was interviewed via email on June 1, 2022. The Site was purchased by Innes Shopping Centres Ltd. (a subsidiary of SmartCentres REIT) in 2006. As far as he was aware, the Site has always either been used for agricultural purposes or vacant.

Mr. Pambianchi was unaware of any environmental issues with the Site.

Responses to other questions were made during site reconnaissance and are discussed in Section 5.0.

5.0 Site Reconnaissance

5.1 General Requirements

On May 26, 2022, Ms. Leah Wells, P.Eng. of EXP conducted the site visit in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Site.

The general environmental management and housekeeping practices at the Site were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

Adjacent properties were observed from within the grounds of the Site, as well as publicly accessible areas. Photographs documenting the site visit are included in Appendix D.

5.2 Specific Observations at the Site

The Site is located in the centre of a larger parcel of land with the municipal address 4200 Innes Road. The Site, and 4200 Innes Road, consist of agricultural land.

5.2.1 Buildings and Structures

There are no buildings on the Site.

5.2.2 Site Utilities and Services

The Site is not serviced. Surrounding properties are serviced with natural gas, and municipal water and sewer.

5.3 Storage Tanks

5.3.1 Underground Storage Tanks

No underground storage tanks (UST) were observed on the Site and there was no evidence of historical USTs.

5.3.2 Above Ground Storage Tanks

No above ground storage tanks (AST) were observed during the Site visit.

5.4 Chemical Storage

No chemicals were present on the Site.

5.5 Areas of Stained Soil, Pavement or Stressed Vegetation

No staining was observed on the Site at the time of EXP's site visit. The vegetation on the Site did not appear to be stressed.

5.6 Fill and Debris

No fill or debris were observed on the property.

5.7 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MECP. According to the Environmental Protection Act (EPA), an ECA (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29, 1988.

There were no buildings on the Site.

5.8 Odours

No strong odours were present during the site visit.

5.9 Noise

No excessive noise was heard during the site visit.

5.10 Other Observations

There were no railways or spurs, and no unidentified substances observed on the Site.

5.11 Special Attention Items, Hazardous Building Materials and Designated Substances

5.11.1 Asbestos

Asbestos-containing materials (ACM) are fibrous hydrated silicates and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos that is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACM in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACM was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

There are no buildings present on the Site.

5.11.2 Ozone Depleting Substances (ODSs)

Chlorofluorocarbons (CFC), often referred to as freons, ceased production in Canada in 1993 as a result of their ozone-depleting characteristics. Under the Montreal Protocol, importation of CFCs into Canada ceased in 1997 and all developed countries agreed to a total ban on their use by 2030.

No cooling equipment was present at the Site.

5.11.3 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out *circa* 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain higher levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through

deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

There are no buildings present on the Site.

5.11.4 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove “interior uses” from their product labels.

There are no building present on the Site.

5.11.5 Polychlorinated Biphenyls (PCB)

The manufacture of PCB in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCB-containing equipment on the Phase I property. Potential equipment, which could contain PCB include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCB must be disposed of in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCB is permissible.

There are no building present on the Site.

5.11.6 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets, and fabrics, and it contributes to "that new house smell.”

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose, and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. The further use of UFFI was banned in Canada in 1980.

There are no building present on the Site.

5.11.7 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints, and basement

drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerels per cubic metre (Bq/m^3) where radon gas is present and the annual radon concentration exceeds 200 Bq/m^3 in the normal occupancy area.

A radon gas assessment was beyond the scope of this Phase I ESA, and as such, radon gas was not assessed.

5.11.8 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow, a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) and moist conditions are required. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled “mould guidelines for the Canadian construction industry” and the Environmental Abatement Council of Ontario (EACO) guidelines titled “EACO Mould Abatement Guidelines, Edition 3 (2015).”

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

There are no building present on the Site.

5.11.9 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Site at the time of site reconnaissance.

5.12 Processing and Manufacturing Operations

No processing or manufacturing operations were observed at the Site.

5.13 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Site.

5.14 Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance activities were observed or reported.

5.15 Drains and Sumps

There are no building present on the Site.

5.16 Oil/Water Separators

No oil-water separators were observed at the Site.

5.17 Sewage and Wastewater Disposal

No sewage or wastewater is generated at the Site.

5.18 Solid Waste Generation, Storage & Disposal

No solid wastes are currently generated at the Site.

5.19 Liquid Waste Generation, Storage & Disposal

No liquid wastes are currently generated at the Site.

5.20 Unidentified Substances

No unidentified substances were observed on the Site at the time of the site visit. No dumping or any other deleterious materials were identified.

5.21 Hydraulic Lift Equipment

No hydraulic equipment was present on the Site.

5.22 Mechanical Equipment

No mechanical equipment was present on the Site.

5.23 Abandoned and Existing Wells

No abandoned or existing wells were observed during the site visit.

5.24 Roads, Parking Facilities and Right of Ways

There is no vehicular access to the Site.

5.25 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 150 m of the Site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Site.

The following land uses border the Site:

- North: Agricultural, followed by commercial;
- West: Agricultural, followed by commercial;
- East: Agricultural; and
- South: Agricultural.

Several car dealerships, including service garages are present to the west along Mer-Bleue Road. outside of the Phase I study area. No environmental concerns relating to the adjacent properties were found at the time of the site visit.

5.26 Summary and Written Description of Investigation

Based on the site visit, no potential contaminating activities or areas of potential environmental concern were identified.

6.0 Conclusions and Recommendations

The Site has never been developed and had been used for agricultural purposes since at least 1976.

Based on the Phase I ESA findings, including site observations, information provided by the site representative, the review of environmental databases, available historical information, and the pending information requested from the Ministry of Environment, Conservation and Parks (MECP), no environmental issues were identified for the Site.

EXP does not recommend any additional environmental work at the subject site.

7.0 Qualifications of Assessors

EXP Services Inc. is a full-service consulting and engineering firm and provides a full range of environmental services through the Environmental Services Group. EXP's Environmental Services Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with the Ontario MECP. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

Leah Wells, P.Eng., has five years of experience in the environmental consulting field. She has worked on numerous Phase I Environmental Site Assessments (ESA); Phase II ESAs, completing soil and groundwater sampling, soil vapour sampling, assisting in report preparation and data entry and analysis.

Mark McCalla, P. Geo., is a senior Environmental Scientist with EXP who has over 30 years of experience in the environmental consulting field. His technical undertakings have including work in the following fields: Phase I and II Environmental Site Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per O.Reg. 153/04.

8.0 References

- Canadian Standards Association, *Phase One Environmental Site Assessment Z768-01 (R2016)*, November 2001.
- City of Ottawa, GeoOttawa online mapping tool, (maps.ottawa.ca/geoottawa).
- Dubreuil, L. and C. Woods, *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975,* 2002.
- Environment Canada, *National Inventory of PCBs in Use and PCB Wastes in Storage in Canada*, 2003 Annual Report, 2004.
- Golder Associates Ltd., *Old Landfill Management Strategy, Phase 1, Identification of Sites, City of Ottawa, Ontario*, October 2004.
- Intera Technologies Ltd., *Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume II*, April 1987.
- Natural Resources Canada, The Atlas of Canada – Toporama website (atlas.gc.ca/toporama/en/)
- Ontario Ministry of Energy, Northern Development and Mines, Bedrock Geology Application (www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/bedrock-geology), March 19, 2018.
- Ontario Ministry of Energy, Northern Development and Mines, Surficial Geology Application (www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology), May 23, 2017.
- Ontario Ministry of the Environment, Conservation and Parks, *Access Environment website (www.accessenvironment.ene.gov.on.ca).*
- Ontario Ministry of the Environment, Conservation and Parks, *Environmental Registry website (www.ebr.gov.on.ca/ERS-WEB-External).*
- Ontario Ministry of the Environment, Conservation and Parks *Hazardous Waste Information Network website* (www.hwin.ca).
- Ontario Ministry of the Environment, Conservation and Parks, *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*, November 1988.
- Ontario Ministry of the Environment, Conservation and Parks, *Ontario Inventory of PCB Storage Sites*, October 1995.
- Ontario Ministry of the Environment, Conservation and Parks, Records of Site Condition website (www.lrcsde.lrc.gov.on.ca).
- Ontario Ministry of the Environment, Conservation and Parks, *Waste Disposal Site Inventory*, June 1991.
- Ontario Ministry of the Environment, Conservation and Parks, Water Wells website (www.ontario.ca/environment-and-energy/map-well-records water wells).
- Ontario Ministry of Labour, *Occupational Health and Safety Act*, R.S.O. 1990.
- Ontario Ministry of Natural Resources and Forestry, Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).
- Paterson Group Inc., *Phase One Environmental Site Assessment, 4200 Innes Road, Ottawa, Ontario*, March 2018.
- Paterson Group Inc., *Phase I Environmental Site Assessment Update – Vacant Property, 4200 Innes Road, Ottawa, Ontario*, December 2021.

9.0 Limitation of Liability, Scope of Report, and Third Party Reliance

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation. Where special concerns exist, or Ironclad Developments ("the Client") has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

Use of Report

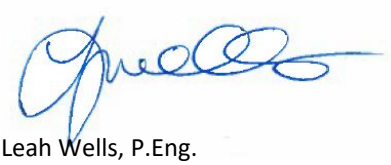
The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are EXP's instruments of professional service and shall not be altered without the written consent of EXP.

10.0 Signatures

We trust this report meets your current needs. If you have any questions pertaining to the investigation undertaken by EXP, please do not hesitate to contact the undersigned.



Leah Wells, P.Eng.
Environmental Engineer
Earth and Environment

Marl McCalla, P. Geo.
Senior Geoscientist
Earth and Environment

Appendix A – Figures

exp Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 8H6
www.exp.com

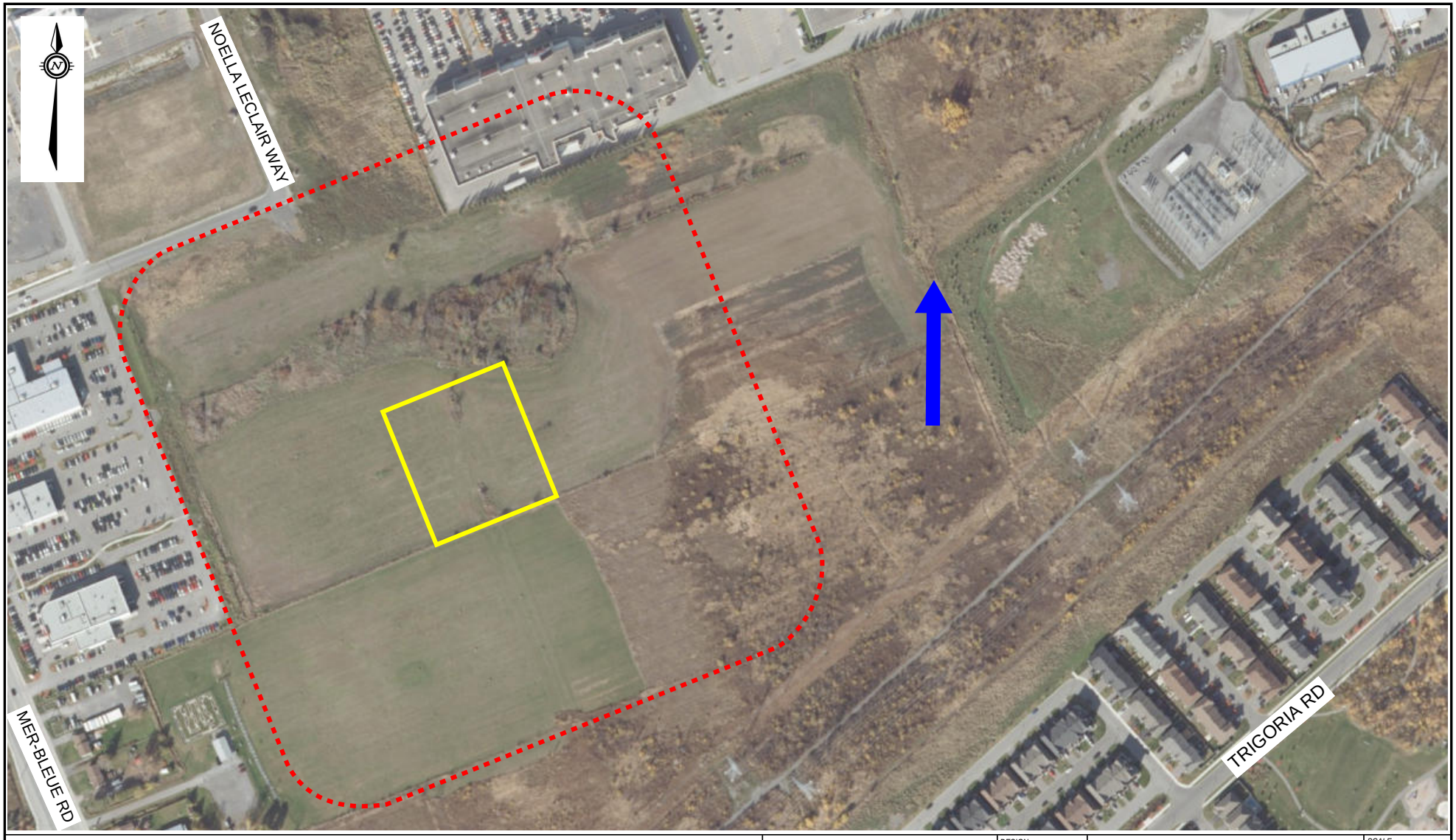
DESIGN	LW
DRAWN	LW
DATE	MAY 2022
PROJECT NO.	OTT-22012077-A0

PHASE I ENVIRONMENTL SITE ASSESSMENT
PART OF 4200 INNES ROAD, OTTAWA, ONTARIO

SITE LOCATION PLAN

SCALE 1:32,000

FIG 1



LEGEND

- PROPERTY BOUNDARY
- PHASE I STUDY AREA (150 M RADIUS)
- INFERRED DIRECTION OF GROUNDWATER FLOW

exp Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 8H6
www.exp.com

DESIGN	LW
DRAWN	LW
DATE	MAY 2022
PROJECT NO.	OTT-21013518-A0

PHASE I ENIRONMENTAL SITE ASSESSMENT
PART OF 4200 INNES ROAD, OTTAWA, ONTARIO

PHASE I STUDY AREA

SCALE 1:3,700

FIG 2

Appendix B – Regulatory Requests

May 13, 2022 Via Mail

FOI Manager
Freedom of Information & Protection of Privacy Office
Ministry of the Environment, Conservation and Parks
12th Floor, 40 St. Clair Avenue West
Toronto, Ontario M4V 1M2

Re: OTT-22012077-A0 **File Review Request**
2400 Innes Road, Ottawa, Ontario

Dear Sir or Madam:

I am sending a Freedom of Information Request to you for 4200 Innes Road, Ottawa, Ontario. We are conducting an environmental site assessment and require any environmental concerns.

If possible, we would appreciate receiving the documentation by email (kathy.radisch@exp.com) and by mail. If you have any questions, or require any further information, please do not hesitate to contact the undersigned at 613-688-1891, ext. 63296.

Yours truly,
EXP Services Inc.

Kathy Radisch
Administrative Assistant
Earth & Environment

Enclosures: FOI Form
Credit Card Payment Form ($35)

100 - 2650 Queensview Drive, Ottawa, Ontario K2B 8H6
T: +1.613.688.1899 • F: +1.613.225.7337 • www.exp.com

May 13, 2022

Via email:
hlui@ottawa.ca

Planning Division
City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario

Re: OTT-22012077-A0 **Municipal Information Search Request**
4200 Innes Road, Ottawa, Ontario

To whom it may concern,

Our firm has been retained to conduct a Phase I Environmental Site Assessment for 4200 Innes Road, Ottawa, Ontario. We require information pertaining to the property.

We request that the City of Ottawa search their files and provide any information pertaining to the environmental condition of these properties and surrounding areas, including any past environmental reports, orders, certificates or approvals.

Please find attached the consent letter from the property owner to release this information for the property in question. A request for information form has been completed to initiate a search on the property.

If you should have any questions, please do not hesitate to contact me.

Yours truly,

EXP Services Inc.
Kathy Radisch
Administrative Assistant
Earth & Environment

Attachments: Disclaimer
RFI Form
Consent from Owner

Appendix C –ERIS Database Report

DATABASE REPORT

Project Property:	*Phase I ESA* *Part of 4200 Innes Road* *Orléans ON K4A 3W9*
Project No:	*OTT-22012077-A0_*
Report Type:	*Standard Report*
Order No:	*22051100269*
Requested by:	*exp Services Inc.*
Date Completed:	*May 16, 2022*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase I ESA* *Part of 4200 Innes Road Orléans ON K4A 3W9*
Project No:	*OTT-22012077-A0_*

Coordinates:

Latitude:	*45.4535225*
Longitude:	*-75.49841*
UTM Northing:	*5,033,425.13*
UTM Easting:	*460,935.92*
UTM Zone:	*18T*

Elevation: *286 FT*
87.14 M

Order Information:

Order No:	*22051100269*
Date Requested:	*May 11, 2022*
Requested by:	*exp Services Inc.*
Report Type:	*Standard Report*

Historical/Products:

City Directory Search	*CD - Subject Site plus 10 Adjacent Properties*
ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	1
CA	Certificates of Approval	Y	0	1	1
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	12	12
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
	Total:		0	25	25

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		Vangaurd Dr Ottawa ON	NE/101.6	0.40	17
2	SPL	Hydro One Inc.	2127 Mer-Bleue Road Ottawa ON	SE/149.5	0.94	17
3	ECA	McGiac Realty Corporation	2035, 2045 and 2055 Mer Bleue Road Ottawa ON K1B 5P5	WSW/172.1	-0.04	17
4	EHS		2055 Mer Bleue Rd Ottawa ON K4A3T9	WSW/172.2	-0.04	18
5	SPL		2035 Mer Bleue Rd Ottawa ON NA	W/212.3	-1.09	18
6	CA	City of Ottawa	2107 Mer Bleue Rd Lot 1, Concession 3 Ottawa ON	WSW/221.4	0.69	18
6	ECA	City of Ottawa	2107 Mer Bleue Rd Lot 1, Concession 3 Ottawa ON K1P 1J1	WSW/221.4	0.69	19
7	WWIS		lot 1 con 11 ON ***Well ID:*** 1513909	WSW/225.2	0.54	19
8	WWIS		lot 1 con 11 ON ***Well ID:*** 1517595	WNW/227.3	-1.67	22
9	WWIS		lot 1 con 11 ON ***Well ID:*** 1533666	W/232.1	-0.62	25
10	WWIS		lot 1 con 11 ON ***Well ID:*** 1511698	SW/239.2	0.54	26
11	GEN	Value Village Stores	4220 Innes Road Orleans ON K4A 5E6	NE/239.9	-0.05	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	GEN	Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE/239.9	-0.05	30
11	GEN	Value Village Stores	4220 Innes Road Orleans ON K4A 5E6	NE/239.9	-0.05	30
11	GEN	Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE/239.9	-0.05	31
11	GEN	Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE/239.9	-0.05	32
11	GEN	Value Village Stores	4220 Innes Road Orleans ON K4A 5E6	NE/239.9	-0.05	32
11	GEN	Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE/239.9	-0.05	33
11	GEN	Value Village Stores #2119	4220 Innes Road Orleans ON K4A 5E6	NE/239.9	-0.05	34
11	GEN	Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE/239.9	-0.05	35
11	GEN	Value Village Stores #2119	4220 Innes Road Orleans ON K4A 5E6	NE/239.9	-0.05	36
11	GEN	Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE/239.9	-0.05	38
11	GEN	Value Village Stores #2119	4220 Innes Road Orleans ON K4A 5E6	NE/239.9	-0.05	38
12	BORE		ON	WSW/248.1	0.42	40
13	WWIS		lot 1 con 11 ON	WSW/248.2	0.42	41

Well ID: 1512849

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WSW	248.09	12

CA - Certificates of Approval

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	2107 Mer Bleue Rd Lot 1, Concession 3 Ottawa ON	WSW	221.42	6

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Mar 31, 2022 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	2107 Mer Bleue Rd Lot 1, Concession 3 Ottawa ON K1P 1J1	WSW	221.42	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
McGiac Realty Corporation	2035, 2045 and 2055 Mer Bleue Road Ottawa ON K1B 5P5	WSW	172.13	3

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Vangaurd Dr Ottawa ON	NE	101.65	1

Lower Elevation	Address	Direction	Distance (m)	Map Key
	2055 Mer Bleue Rd Ottawa ON K4A3T9	WSW	172.17	4

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Feb 28, 2022 has found that there are 12 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE	239.87	11
Value Village Stores #2119	4220 Innes Road Orleans ON K4A 5E6	NE	239.87	11
Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE	239.87	11
Value Village Stores #2119	4220 Innes Road Orleans ON K4A 5E6	NE	239.87	11
Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE	239.87	11
Value Village Stores #2119	4220 Innes Road Orleans ON K4A 5E6	NE	239.87	11
Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE	239.87	11
Value Village Stores	4220 Innes Road Orleans ON K4A 5E6	NE	239.87	11

Value Village Stores	4220 Innes Road Orleans ON K4A 5E6	NE	239.87	11
Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE	239.87	11
Michaels Stores, Inc.	4220 Innes Rd Unit 2 Orleans ON K4A 5E6	NE	239.87	11
Value Village Stores	4220 Innes Road Orleans ON K4A 5E6	NE	239.87	11

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Hydro One Inc.	2127 Mer-Bleue Road Ottawa ON	SE	149.54	2

Lower Elevation	Address	Direction	Distance (m)	Map Key
	2035 Mer Bleue Rd Ottawa ON NA	W	212.27	5

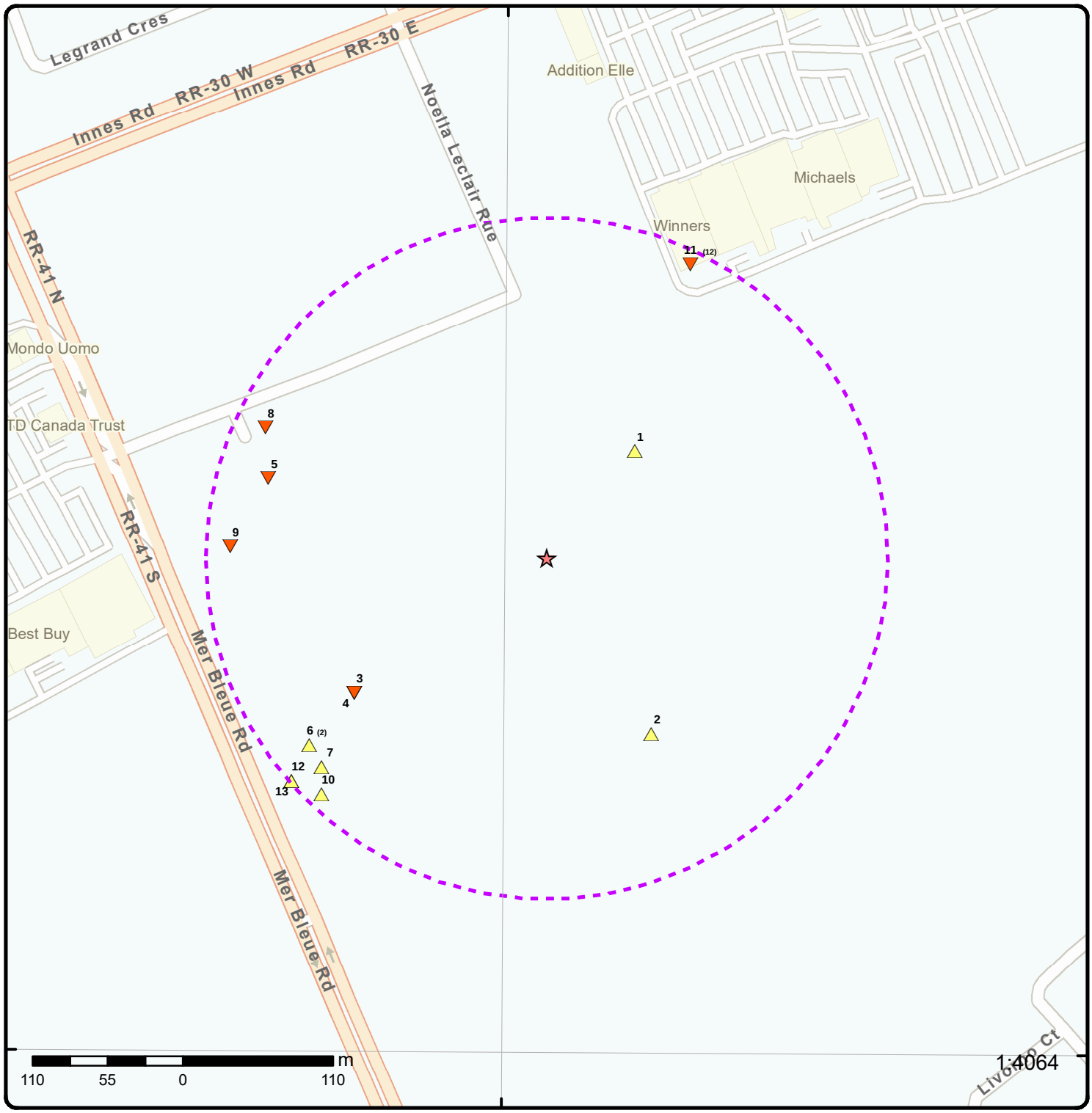
WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 1 con 11 ON ***Well ID:*** 1513909	WSW	225.20	7
	lot 1 con 11 ON	SW	239.25	10

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1511698			
	lot 1 con 11 ON	WSW	248.24	13
	Well ID: 1512849			

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 1 con 11 ON	WNW	227.33	8
	Well ID: 1517595			
	lot 1 con 11 ON	W	232.09	9
	Well ID: 1533666			



Map: 0.25 Kilometer Radius

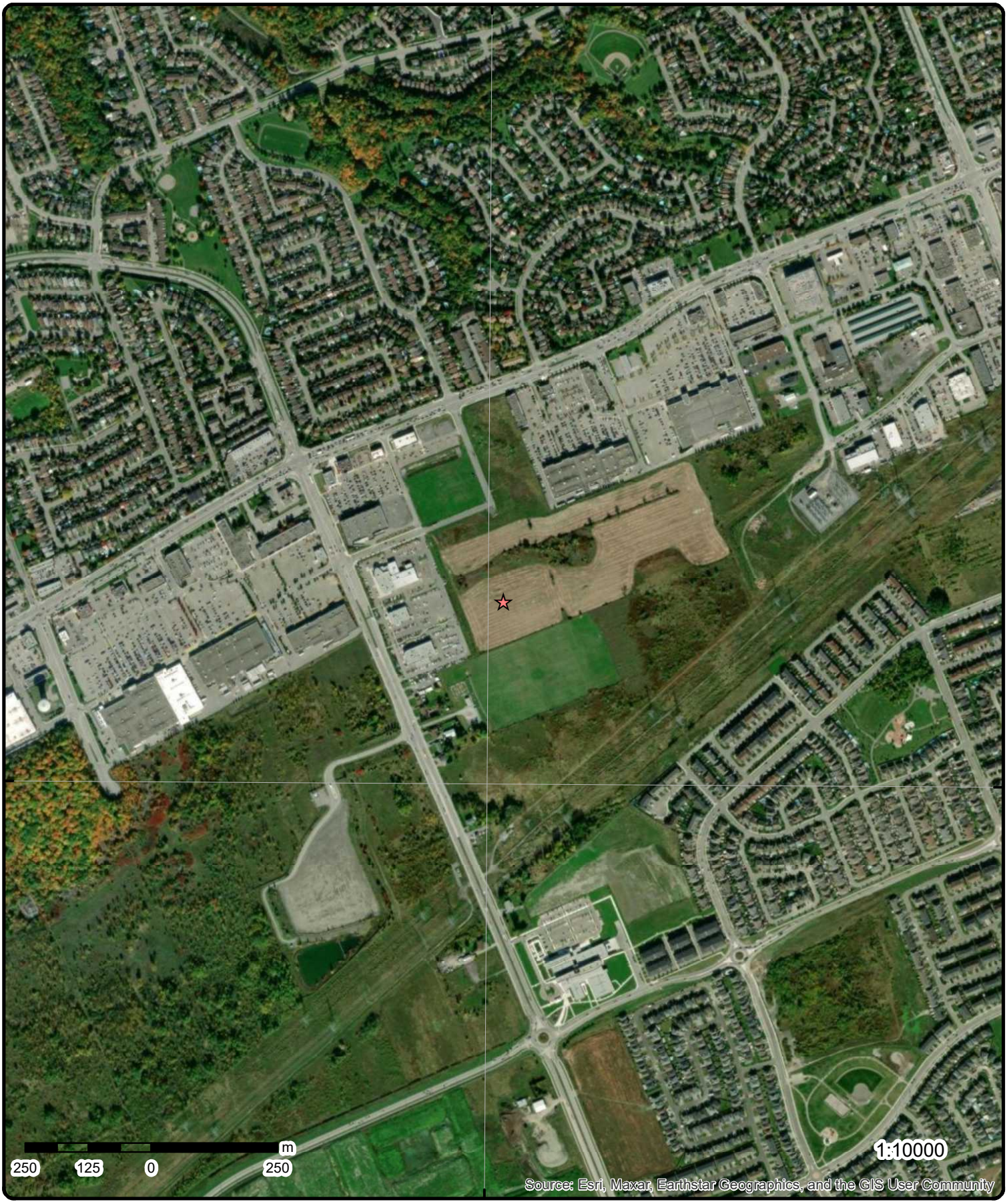
Order Number: 22051100269

Address: Part of 4200 Innes Road, Orléans, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

75°30'W

45°27'N



45°27'N

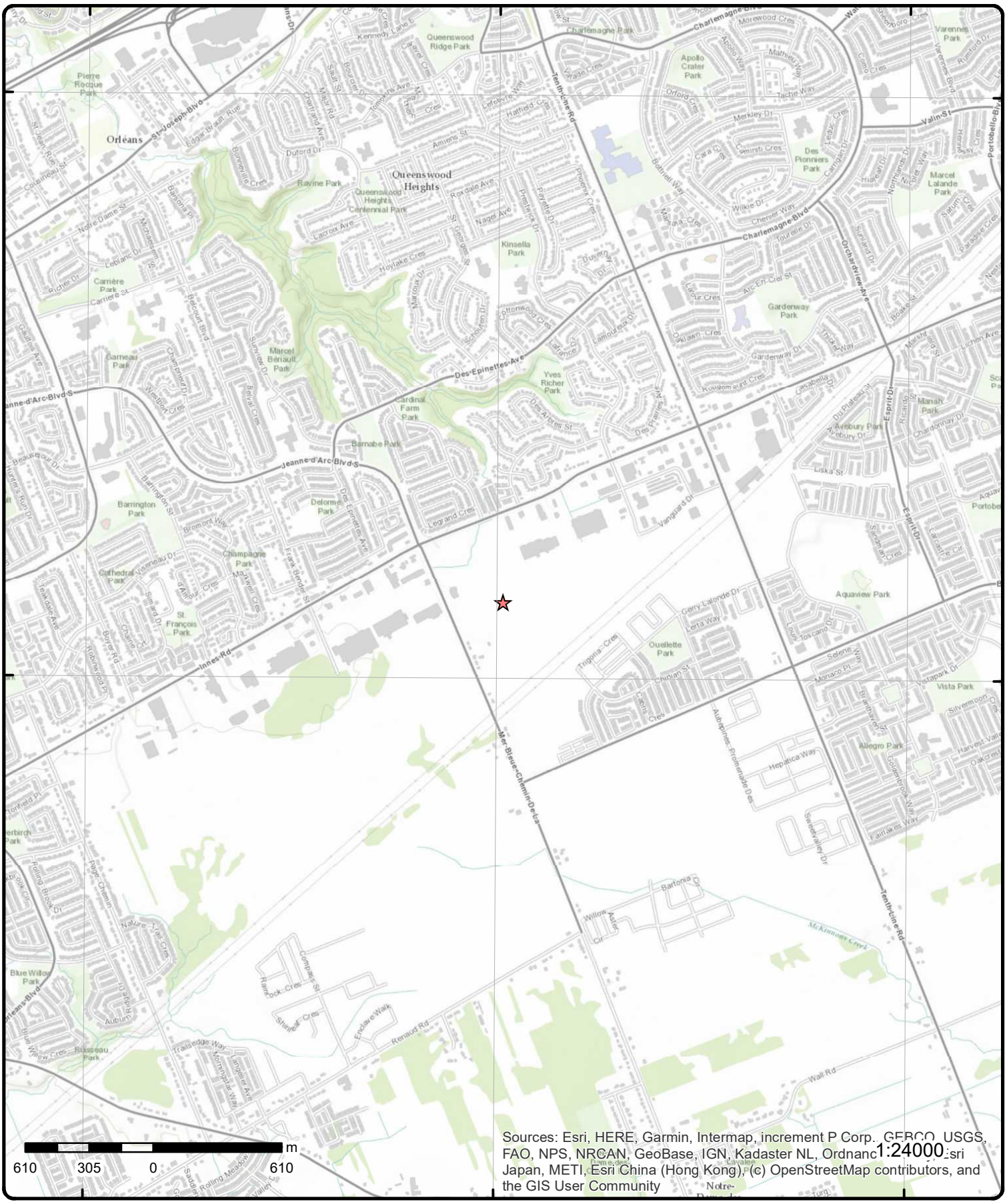
Aerial

Year: 2021

Order Number: 22051100269

Address: Part of 4200 Innes Road, Orléans, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 22051100269

Address: Part of 4200 Innes Road, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NE/101.6	87.5 / 0.40	Vangaurd Dr Ottawa ON	EHS

Order No:	20170823051	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	23-AUG-17	**Search Radius (km):**	.25
Date Received:	23-AUG-17	**X:**	-75.498779
Previous Site Name:		**Y:**	45.453971
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	SE/149.5	88.1 / 0.94	Hydro One Inc. 2127 Mer-Bleue Road Ottawa ON	SPL

Ref No:	4886-9725RN	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	22-APR-13	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	Transformer
Incident Event:		**Agency Involved:**	
Contaminant Code:	26	**Nearest Watercourse:**	
Contaminant Name:	TRANSFORMER OIL (GT 50 PPM PCB)	**Site Address:**	2127 Mer-Bleue Road
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:**	Ottawa
Nature of Impact:	Vegetation Damage	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	22-APR-13	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	transformer<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Hydro One: PCB suspect trfmr oil to grd, clng ~10L		
Contaminant Qty:	10 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	WSW/172.1	87.1 / -0.04	McGiac Realty Corporation 2035, 2045 and 2055 Mer Bleue Road Ottawa ON K1B 5P5	ECA

Approval No:	7413-9DWQJA	**MOE District:**	
Approval Date:	2013-12-09	**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		

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

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: McGiac Realty Corporation
Address: 2035, 2045 and 2055 Mer Bleue Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1977-9DEK2X-14.pdf
PDF Site Location:

---

4 | **1 of 1** | **WSW/172.2** | **87.1 / -0.04** | **2055 Mer Bleue Rd, Ottawa ON K4A3T9** | **EHS**

Order No: 20170908066
Status: C
Report Type: Standard Report
Report Date: 15-SEP-17
Date Received: 08-SEP-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.501392
Y: 45.452363

---

5 | **1 of 1** | **W/212.3** | **86.0 / -1.09** | **2035 Mer Bleue Rd, Ottawa ON NA** | **SPL**

Ref No: 6037-B9RW4K
Site No: 5277-8UEHH8
Incident Dt: 2/26/2019
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 15
Contaminant Name: Oily Water
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/26/2019
Dt Document Closed: 3/5/2019
Incident Reason: Equipment Failure
Site Name: 2035 Mer Bleue Road
Site County/District: NA
Site Geo Ref Meth: NA
Incident Summary: Tomlinson Env - 400L of Oily Water to Parking Lot
Contaminant Qty: 400 L

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: 2035 Mer Bleue Rd
Site District Office: Ottawa
Site Postal Code: NA
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc: NA
Northing: 5033595
Easting: 460980
Site Geo Ref Accu: NA
Site Map Datum: NA
SAC Action Class: Land Spills
Source Type: Truck - Tanker

---

6 | **1 of 2** | **WSW/221.4** | **87.8 / 0.69** | **City of Ottawa, 2107 Mer Bleue Rd Lot 1, Concession 3, Ottawa ON** | **CA**

Certificate #: 2191-7MCT5Y
Application Year: 2009
Issue Date: 1/16/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:

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

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

6 | ***2 of 2*** | ***WSW/221.4*** | ***87.8 / 0.69*** | ***City of Ottawa***
2107 Mer Bleue Rd Lot 1, Concession 3
Ottawa ON K1P 1J1 | ***ECA***

Approval No:	2191-7MCT5Y	***MOE District:***	Ottawa
Approval Date:	2009-01-16	***City:***	
Status:	Approved	***Longitude:***	-75.50185
Record Type:	ECA	***Latitude:***	45.452007
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	South Nation	***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: 2107 Mer Bleue Rd Lot 1, Concession 3
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4690-7JJK7W-14.pdf
PDF Site Location:

---

7 | ***1 of 1*** | ***WSW/225.2*** | ***87.7 / 0.54*** | ***lot 1 con 11***
ON | ***WWIS***

Well ID:	1513909	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/18/1974
Sec. Water Use:	0	***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513909.pdf

Additional Detail(s) (Map)

Well Completed Date:	1973/08/08
Year Completed:	1973
Depth (m):	24.9936
Latitude:	45.4518715740324
Longitude:	-75.5016950285498
Path:	151\1513909.pdf

Bore Hole Information

Bore Hole ID:	10035891	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	460770.80
Code OB Desc:		**North83:**	5033272.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	08-Aug-1973 00:00:00	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931024766
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21.0
Formation End Depth:	82.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024765
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	21.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513909
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10584461
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930063446
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	23.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513909
Pump Set At:	
Static Level:	7.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	50.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	7.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934099681
Test Type:	Recovery
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380755
Test Type:	Recovery
Test Duration:	30
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899218
Test Type:	Recovery
Test Duration:	60
Test Level:	7.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934641330

Test Type:	Recovery
Test Duration:	45
Test Level:	10.0
Test Level UOM:	ft

Water Details

Water ID:	933469663
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	82.0
Water Found Depth UOM:	ft

---

8 | ***1 of 1*** | ***WNW/227.3*** | ***85.5 / -1.67*** | ***lot 1 con 11 ON*** | ***WWIS***

Well ID:	1517595	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/1/1981
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2351
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517595.pdf

Additional Detail(s) (Map)

Well Completed Date:	1981/07/14
Year Completed:	1981
Depth (m):	8.8392
Latitude:	45.4541104849704
Longitude:	-75.5022392429092
Path:	151\1517595.pdf

Bore Hole Information

Bore Hole ID:	10039467	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	460729.80
Code OB Desc:		**North83:**	5033521.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	14-Jul-1981 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			

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

Overburden and Bedrock Materials Interval

Formation ID: 931035678
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931035679
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931035680
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 29.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961517595
Method Construction Code: 1
Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID:	10588037
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069006
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991517595
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	10.0
Recommended Pump Depth:	22.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	40
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934102126
Test Type:	Draw Down
Test Duration:	15
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645849
Test Type:	Draw Down
Test Duration:	45
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895124
Test Type:	Draw Down
Test Duration:	60

Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376014
Test Type: Draw Down
Test Duration: 30
Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933474096
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 28.0
Water Found Depth UOM: ft

---

9 | **1 of 1** | **W/232.1** | **86.5 / -0.62** | **lot 1 con 11 ON** | **WWIS**

Well ID: 1533666
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 257721
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/8/2003
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6907
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 001
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533666.pdf

Additional Detail(s) (Map)

Well Completed Date: 2002/11/15
Year Completed: 2002
Depth (m):
Latitude: 45.4533259587063
Longitude: -75.5025622392005
Path: 153\1533666.pdf

Bore Hole Information

Bore Hole ID: 10537500
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Elevation:
Elevrc:
Zone: 18
East83: 460704.00
North83: 5033434.00

Open Hole:
Cluster Kind:
Date Completed: 15-Nov-2002 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS: NA
UTMRC: 6
UTMRC Desc: margin of error : 300 m - 1 km
Location Method: gis

Method of Construction & Well Use

Method Construction ID: 961533666
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11086070
Casing No: 1
Comment:
Alt Name:

---

10 | **1 of 1** | **SW/239.2** | **87.7 / 0.54** | **lot 1 con 11 ON** | **WWIS**

Well ID: 1511698
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 4/7/1972
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 001
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511698.pdf

Additional Detail(s) (Map)

Well Completed Date: 1971/07/19
Year Completed: 1971
Depth (m): 12.192
Latitude: 45.4516915567051
Longitude: -75.5016934324754
Path: 151\1511698.pdf

Bore Hole Information

Bore Hole ID:	10033692	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	460770.80
Code OB Desc:		**North83:**	5033252.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	19-Jul-1971 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931018489
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018488
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511698
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10582262

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930059855
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 40.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059854
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 29.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511698
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 30.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934098349
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645025
Test Type: Draw Down
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934901943
Test Type:	Draw Down
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382891
Test Type:	Draw Down
Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

Water Details

Water ID:	933466932
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

---

11 | ***1 of 12*** | ***NE/239.9*** | ***87.1 / -0.05*** | ***Value Village Stores***
4220 Innes Road
Orleans ON K4A 5E6 | ***GEN***

Generator No:	ON7508689	***Status:***	
SIC Code:	453310	***Co Admin:***	
SIC Description:	USED MERCHANDISE STORES	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2016	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	No
Country:	Canada	***MHSW Facility:***	No

Detail(s)

Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	262
Waste Class Desc:	DETERGENTS/SOAPS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS

---

11 | ***2 of 12*** | ***NE/239.9*** | ***87.1 / -0.05*** | ***Michaels Stores, Inc.***
4220 Innes Rd Unit 2
Orleans ON K4A 5E6 | ***GEN***

Generator No:	ON4625819	***Status:***	
SIC Code:	451130	***Co Admin:***	James Williams
SIC Description:	SEWING, NEEDLEWORK AND PIECE GOODS STORES	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2015	***Phone No Admin:***	(647)288-3298 Ext.
PO Box No:		***Contam. Facility:***	No
Country:	Canada	***MHSW Facility:***	No

Detail(s)

Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	262
Waste Class Desc:	DETERGENTS/SOAPS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS

---

11 | ***3 of 12*** | ***NE/239.9*** | ***87.1 / -0.05*** | ***Value Village Stores***
4220 Innes Road
Orleans ON K4A 5E6 | ***GEN***

Generator No:	ON7508689	**Status:**	
SIC Code:	453310	**Co Admin:**	
SIC Description:	USED MERCHANDISE STORES	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2015	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	No
Country:	Canada	**MHSW Facility:**	No

Detail(s)

Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	262
Waste Class Desc:	DETERGENTS/SOAPS

11	*4 of 12*	*NE/239.9*	*87.1 / -0.05*	***Michaels Stores, Inc.*** ***4220 Innes Rd Unit 2*** ***Orleans ON K4A 5E6***	***GEN***

Generator No:	ON4625819	**Status:**	
SIC Code:	451130	**Co Admin:**	James Williams
SIC Description:	SEWING, NEEDLEWORK AND PIECE GOODS STORES	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2016	**Phone No Admin:**	(647)288-3298 Ext.
PO Box No:		**Contam. Facility:**	No
Country:	Canada	**MHSW Facility:**	No

Detail(s)

Waste Class:	262
Waste Class Desc:	DETERGENTS/SOAPS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

---

11 | **5 of 12** | **NE/239.9** | **87.1 / -0.05** | **Michaels Stores, Inc.**
4220 Innes Rd Unit 2
Orleans ON K4A 5E6 | **GEN**

Generator No: ON4625819
SIC Code: 451130
SIC Description: SEWING, NEEDLEWORK AND PIECE GOODS STORES
Approval Years: 2014
PO Box No:
Country: Canada

Status:
Co Admin: James Williams
Choice of Contact: CO_OFFICIAL
Phone No Admin: (647)288-3298 Ext.
Contam. Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

---

11 | **6 of 12** | **NE/239.9** | **87.1 / -0.05** | **Value Village Stores**
4220 Innes Road
Orleans ON K4A 5E6 | **GEN**

Generator No: ON7508689
SIC Code: 453310
SIC Description: USED MERCHANDISE STORES

Status:
Co Admin:
Choice of Contact: CO_OFFICIAL

Approval Years:	2014	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	No
Country:	Canada	**MHSW Facility:**	No

Detail(s)

Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	262
Waste Class Desc:	DETERGENTS/SOAPS
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

---

11 | ***7 of 12*** | ***NE/239.9*** | ***87.1 / -0.05*** | ***Michaels Stores, Inc.***
4220 Innes Rd Unit 2
Orleans ON K4A 5E6 | ***GEN***

Generator No:	ON4625819	**Status:**	Registered
SIC Code:		**Co Admin:**	
SIC Description:		**Choice of Contact:**	
Approval Years:	As of Dec 2018	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:	Canada	**MHSW Facility:**	

Detail(s)

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
Waste Class:	145 L
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	148 A
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 L
Waste Class Desc:	Misc. wastes and inorganic chemicals

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

Waste Class: 261 B
Waste Class Desc: Pharmaceuticals

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

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

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

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

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

11	8 of 12	NE/239.9	87.1 / -0.05	**Value Village Stores #2119** **4220 Innes Road** **Orleans ON K4A 5E6**	GEN

Generator No: ON7508689
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

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

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

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

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

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

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

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

Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	242 L
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	242 T
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	261 A
Waste Class Desc:	Pharmaceuticals
Waste Class:	261 I
Waste Class Desc:	Pharmaceuticals
Waste Class:	261 L
Waste Class Desc:	Pharmaceuticals
Waste Class:	262 C
Waste Class Desc:	Detergents and soaps
Waste Class:	262 L
Waste Class Desc:	Detergents and soaps
Waste Class:	263 A
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	269 L
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	269 T
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	331 L
Waste Class Desc:	Waste compressed gases including cylinders

11	***9 of 12***	***NE/239.9***	***87.1 / -0.05***	***Michaels Stores, Inc.*** ***4220 Innes Rd Unit 2*** ***Orleans ON K4A 5E6***	***GEN***

Generator No:	ON4625819	***Status:***	Registered
SIC Code:		***Co Admin:***	
SIC Description:		***Choice of Contact:***	
Approval Years:	As of Jul 2020	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:	Canada	***MHSW Facility:***	

Detail(s)

Waste Class: 261 B
Waste Class Desc: Pharmaceuticals

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

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

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

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

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

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

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

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

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

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

---

11 | ***10 of 12*** | ***NE/239.9*** | ***87.1 / -0.05*** | ***Value Village Stores #2119***
4220 Innes Road
Orleans ON K4A 5E6 | ***GEN***

Generator No: ON7508689
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

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

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

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

Waste Class: 269 T
Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

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

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

Waste Class: 242 L
Waste Class Desc: Halogenated pesticides and herbicides

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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

Waste Class: 269 L
Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

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

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

Waste Class: 261 I
Waste Class Desc: Pharmaceuticals

Waste Class: 242 T
Waste Class Desc: Halogenated pesticides and herbicides

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

Waste Class: 262 C
Waste Class Desc: Detergents and soaps

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

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

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

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

---

11 | **11 of 12** | **NE/239.9** | **87.1 / -0.05** | **Michaels Stores, Inc.**
4220 Innes Rd Unit 2
Orleans ON K4A 5E6 | **GEN**

Generator No: ON4625819
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 261 B
Waste Class Desc: Pharmaceuticals

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

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

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

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

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

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

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

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

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

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

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

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

---

11 | **12 of 12** | **NE/239.9** | **87.1 / -0.05** | **Value Village Stores #2119**
4220 Innes Road
Orleans ON K4A 5E6 | **GEN**

Generator No:	ON7508689	***Status:***	Registered
SIC Code:		***Co Admin:***	
SIC Description:		***Choice of Contact:***	
Approval Years:	As of Nov 2021	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:	Canada	***MHSW Facility:***	

Detail(s)

Waste Class:	145 L
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	242 L
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	261 A
Waste Class Desc:	Pharmaceuticals
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	242 T
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	262 C
Waste Class Desc:	Detergents and soaps
Waste Class:	269 T
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	262 L
Waste Class Desc:	Detergents and soaps
Waste Class:	263 A
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	269 L
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants

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

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

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

Waste Class: 261 I
Waste Class Desc: Pharmaceuticals

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

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

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

---

12 **1 of 1** **WSW/248.1** **87.6 / 0.42** **ON** **BORE**

Borehole ID: 616298
OGF ID: 215517087
Status:
Type: Borehole
Use:
Completion Date: JUL-1964
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 14.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 89.6
Elev Reliabil Note:
DEM Ground Elev m: 89.6
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: 45.451782
Longitude DD: -75.501975
UTM Zone: 18
Easting: 460749
Northing: 5033262
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218403601
Top Depth: 0
Bottom Depth: 8.5
Material Color: Blue
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. BLUE.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218403602
Top Depth: 8.5
Bottom Depth: 14.9
Material Color: Grey
Material 1: Limestone

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:

Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 000495.0 FEET.BOULDERS. BEDROCK. GREY. ROCK. SEISMIC VELOCITY = 18000
**Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08806 NTS_Sheet:
Confiden 1:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
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
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

---

13 ***1 of 1*** ***WSW/248.2*** ***87.6 / 0.42*** ***lot 1 con 11 ON*** ***WWIS***

Well ID: 1512849
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 1/19/1965
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 001
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512849.pdf

Additional Detail(s) (Map)

Well Completed Date: 1964/07/29
Year Completed: 1964
Depth (m): 14.9352
Latitude: 45.4517803293112
Longitude: -75.5019755731562
Path: 151\1512849.pdf

Bore Hole Information

Bore Hole ID:	10034837	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	460748.80
Code OB Desc:		***North83:***	5033262.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	29-Jul-1964 00:00:00	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931021722
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28.0
Formation End Depth:	49.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931021721
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	28.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512849
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID: 10583407
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930061706
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930061707
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 49.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991512849
Pump Set At:
Static Level: 4.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 25.0
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468339
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 49.0
Water Found Depth UOM: ft

Unplottable Summary

Total: 19 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	REDEEMER ALLIANCE CHURCH	INNES RD., BLOCK 105 (SWM)	CUMBERLAND TWP. ON	
CA	City of Ottawa	Mer Bleue Rd (Innes Rd 700m south)	Ottawa ON	
CA	Innes Road and 10th Line	Part of Lot 1, Concession 11	Ottawa ON	
CA		East Half of Lot 1, Concession 11	Cumberland ON	
CA	R.C. EPISCOPAL CORP. OF OTTAWA	INNES RD., BLK. 43, (SWM)	CUMBERLAND TWP. ON	
CA	City of Ottawa	Mer Bleue Rd (Innes Rd 700m south)	Ottawa ON	
CA	GOODBRAM INVESTMENTS LTD.	PT.LOT 1/CON.11,INNES RD., SWM	CUMBERLAND TWP. ON	
CA	A.J. ROBINSON & ASSOC.INC. BRAM GROUP	INNES ROAD	CUMBERLAND TWP. ON	
CA	A.J. ROBINSON & ASSOC.INC. BRAM GROUP	INNES ROAD	CUMBERLAND TWP. ON	
CA	SAFETY-KLEEN CANADA INC.	PART LOT 1, CONC. 11	CUMBERLAND TWP. ON	
ECA	McGiac Realty Corporation		Ottawa ON	K1B 5P5
GEN	SAFETY-KLEEN CANADA INC. 36-600	PT. LOT #1, CON. 11, TWP OFCUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CHOMEDEY-LAVAL	CUMBERLAND ON	H7J 2J7
GEN	SAFETY-KLEEN CANADA INC. 36-600	PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 C	CUMBERLAND ON	H7J 2J7
GEN	SAFETY-KLEEN CANADA INC.	PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CHOMEDEY-LAVAL	CUMBERLAND ON	H7J 2J7
GEN	SAFETY-KLEEN CANADA INC. 36-600	PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CHOMEDEY-LAVAL	CUMBERLAND ON	H7J 2J7
GEN	SAFETY-KLEEN CANADA INC.	PART OF LOT 1, CONCESSION 11	CUMBERLAND TOWNSHIP ON	
GEN	SAFETY-KLEEN CANADA INC.	PT. LOT #1, CON. 11, TWP OF CUMBERLAND	CUMBERLAND ON	H7J 2J7

	36-600	C/O 3090 LE CARREFOUR BLVD. SUITE 300	
SPL	Unknown<UNOFFICIAL>	Innes Rd Eastbound at Blair	Ottawa ON
SPL	City of Ottawa	Innes Road just east of 10 th Line <UNOFFICIAL>	Ottawa ON

Unplottable Report

Site: ***REDEEMER ALLIANCE CHURCH***
INNES RD., BLOCK 105 (SWM) CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-1330-96-
Application Year:	96
Issue Date:	11/22/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***City of Ottawa***
Mer Bleue Rd (Innes Rd 700m south) Ottawa ON

Database: ***CA***

Certificate #:	8790-6VKTPK
Application Year:	2007
Issue Date:	4/26/2007
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Innes Road and 10th Line***
Part of Lot 1, Concession 11 Ottawa ON

Database: ***CA***

Certificate #:	4234-4WTKNB
Application Year:	01
Issue Date:	6/20/01
Approval Type:	Industrial sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Petro- Canada
Client Address:	5140 Yonge Street, Suite 200
Client City:	Toronto
Client Postal Code:	M2N 6L6
Project Description:	On-site splii containment system to service a proposed 0.14 ha commercial development. The proposed system includes the installation is a stormceptor oil/water seperator at the oulet from the proposed internal storm system for the site.
Contaminants:	
Emission Control:	

Site:
East Half of Lot 1, Concession 11 Cumberland ON

Database: ***CA***

Certificate #: 0152-5ACMXF
Application Year: 02
Issue Date: 5/30/02
Approval Type: Industrial sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Oil Chargers Inc.
Client Address:
Client City: Cumberland
Client Postal Code:
Project Description: Stormwater Management for a vehicle servicing site
Contaminants:
Emission Control:

Site: ***R.C. EPISCOPAL CORP. OF OTTAWA***
INNES RD., BLK. 43, (SWM) CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1532-97-
Application Year: 97
Issue Date: 11/7/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Mer Bleue Rd (Innes Rd 700m south) Ottawa ON

Database: ***CA***

Certificate #: 2501-6V7Q25
Application Year: 2006
Issue Date: 11/10/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***GOODBRAM INVESTMENTS LTD.***
PT.LOT 1/CON.11,INNES RD., SWM CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-0349-94-
Application Year: 94
Issue Date: 6/16/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***A.J. ROBINSON & ASSOC.INC.BRAM GROUP***
INNES ROAD CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	7-1075-88-
Application Year:	88
Issue Date:	7/15/1988
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***A.J. ROBINSON & ASSOC.INC. BRAM GROUP***
INNES ROAD CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-1241-88-
Application Year:	88
Issue Date:	7/15/1988
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***SAFETY-KLEEN CANADA INC.***
PART LOT 1, CONC. 11 CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	8-4153-89-
Application Year:	89
Issue Date:	1/16/1990
Approval Type:	Industrial air
Status:	Approved in 1990
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	TWO MINERAL SPIRIT TANKS WITH VENTS
Contaminants:	
Emission Control:	

Site: ***McGiac Realty Corporation***
Ottawa ON K1B 5P5

Database: ***ECA***

Approval No:	0547-9MSNYS	***MOE District:***	
Approval Date:	2014-12-09	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS		
Project Type:	INDUSTRIAL SEWAGE WORKS		
Business Name:	McGiac Realty Corporation		

Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5727-9DEKZM-14.pdf
PDF Site Location:

Site: ***SAFETY-KLEEN CANADA INC. 36-600***
PT. LOT #1, CON. 11, TWP OFCUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CHOMEDEY-LAVAL CUMBERLAND ON H7J 2J7

Database: ***GEN***

Generator No: ON0154009
SIC Code: 4999
SIC Description: OTHER UTILITY IND.
Approval Years: 93
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

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

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Site: ***SAFETY-KLEEN CANADA INC. 36-600***
PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 C CUMBERLAND ON H7J 2J7

Database: ***GEN***

Generator No: ON0154009
SIC Code: 4999
SIC Description: OTHER UTILITY IND.
Approval Years: 96,97
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

Site: ***SAFETY-KLEEN CANADA INC.***
PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CHOMEDEY-LAVAL CUMBERLAND ON H7J 2J7

Database: ***GEN***

Generator No: ON0154009
SIC Code: 4999
SIC Description: OTHER UTILITY IND.
Approval Years: 89
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

Site: ***SAFETY-KLEEN CANADA INC. 36-600***
PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CHOMEDEY-LAVAL CUMBERLAND ON H7J 2J7

Database: ***GEN***

Generator No: ON0154009
SIC Code: 4999
SIC Description: OTHER UTILITY IND.
Approval Years: 92,94
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

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

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Site: ***SAFETY-KLEEN CANADA INC.***
PART OF LOT 1, CONCESSION 11 CUMBERLAND TOWNSHIP ON

Database: ***GEN***

Generator No: ON0154009
SIC Code: 4999
SIC Description: OTHER UTILITY IND.
Approval Years: 98
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

Site: ***SAFETY-KLEEN CANADA INC. 36-600***
PT. LOT #1, CON. 11, TWP OF CUMBERLAND C/O 3090 LE CARREFOUR BLVD. SUITE 300 CUMBERLAND ON H7J 2J7

Database: ***GEN***

Generator No: ON0154009
SIC Code: 4999
SIC Description: OTHER UTILITY IND.
Approval Years: 95
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

Waste Class: 252

Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	254
Waste Class Desc:	TRANSFER STATION OILS WASTES

Site: ***Unknown<UNOFFICIAL>***
Innes Rd Eastbound at Blair Ottawa ON

Database: ***SPL***

Ref No:	2061-8MDRQW	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	10/6/2011	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	Innes Rd Eastbound at Blair
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:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/6/2011	***Site Map Datum:***	
Dt Document Closed:	11/22/2011	***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	MVA Site: Ottawa Roads<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA: diesel on road.		
Contaminant Qty:			

Site: ***City of Ottawa***
Innes Road just east of 10 th Line <UNOFFICIAL> Ottawa ON

Database: ***SPL***

Ref No:	3320-6C9JY7	***Discharger Report:***	0
Site No:		***Material Group:***	Chemical
Incident Dt:	5/10/2005	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Valve / Fitting Leak Or Failure	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	ANTI-FREEZE	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
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:	5/10/2005	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spill to Land
Incident Reason:	Equipment Failure - Malfunction of system components	***Source Type:***	
Site Name:	Innes Road just east of 10 th Line <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City bus, 10 L antifreeze to ground, cleaning		
Contaminant Qty:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

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-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Sep 30, 2021

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Nov 2021

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jan 2022

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Apr 30, 2022

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Mar 31, 2022

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Apr 30, 2022

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Mar 31, 2022

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Nov 30, 2021

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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, 2021

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Nov 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Feb 28, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing 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, 2022

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2022

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 28, 2022

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Apr 30, 2022

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Mar 31, 2022

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Apr 30, 2022

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2022

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

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, 2019

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Mar 31, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Sep 30, 2021

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix D – Site Photographs

Photograph No. 1

View of the Site from the south property line, looking north.

Photograph No. 2

View of the Site from the north property line, looking south.

Photograph No. 3

View of the adjacent property to the south.

Photograph No. 4

View of the adjacent property to the west.

Photograph No. 5

View of the adjacent property to the east.

Photograph No. 6

View of the adjacent property to the north.