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Phase One Environmental Site Assessment - 3045 Baseline Road, Ottawa, Ontario

November 26, 2025

Prepared for:
Queensway Carleton Hospital

Cambium Reference: 23906-001

CAMBIUM INC.

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1.0 Executive Summary

Queensway Carleton Hospital (Client) retained Cambium Inc. (Cambium) to complete a Phase One Environmental Site Assessment (ESA) at 3045 Baseline Road in Ottawa, Ontario (Site or Phase One Property). The Phase One ESA will be used to support a Site Plan Approval (SPA) application and was completed to meet the requirements of Ontario Regulation (O.Reg.) 153/04.

The roughly 18 ha Site is located on the northwest corner of the intersection of Baseline Road and John Sutherland Drive. The Site currently consists of hospital buildings, a parking garage building and vacant undeveloped land. A review of historical documents indicated that the first developed land use at the Site was for residential purposes as a hospital in 1976.

The Phase One ESA identified 10 potentially contaminating activities (PCAs), seven on-site and three off-site, within the phase one study area. The on-site PCAs contributed to areas of potential environmental concern (APECs) at the Site. The off-site PCAs do not contribute to APECs at the Site. The related contaminants of potential concern (COPCs) were petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene, xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), metals and hydride-forming metals, and other regulated parameters (ORPs) including hot water-soluble boron (B-HWS), hexavalent chromium (CrVI), mercury (Hg), electrical conductivity (EC), cyanide (CN), sodium absorption ratio (SAR), pH, sodium (Na) and chloride (Cl-). Potentially contaminated media were soil and groundwater.

Based on the observations and information obtained for the site during the Phase One ESA, a Phase Two ESA is required for the Site to support the SPA application.

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2.0 Introduction

The Client retained Cambium to complete a Phase One ESA at the Site. The City of Ottawa requires the completion of a Phase One ESA for the Site consistent with O.Reg. 153/04 to support an SPA application. No Record of Site Condition (RSC) is anticipated to be filed.

2.1 Phase One Property Information

The Site is located on the northwest corner of the intersection of Baseline Road and John Sutherland Drive. The Site is developed with a single-storey hospital building complete with two, three and four-storey portions, located on the south portion of the Site (Site Building A); a seven-storey parking garage structure located on the central portion of the Site (Site Building B). In addition, an office trailer was located on the central portion of the Site and a steel-framed, fabric-covered, road salt and sand storage structure was located on the north portion of the Site. The property use is residential for the purposes of O.Reg. 153/04.

Site information and property owner information are summarized below. The Phase One Property location is shown on Figure 1. A plan of survey is provided in Appendix A.

Property use surrounding the Site is as follows:

North – Commercial use, and agricultural or other use

South – Baseline Road, residential use and agricultural or other use

East – Residential use

West – Highway 416 and agricultural or other use

The Site and surrounding land uses are shown on Figure 2.

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Site Identification Information

Municipal Address	3045 Baseline Road, Ottawa, Ontario
Historical Land Use	Residential Use (Hospital)
Current Land Use	Residential Use (Hospital)
Future Land Use	Residential Use (Hospital)
PIN	04698-0083 (LT)
Universal Transverse Mercator Coordinates*	Zone 18T 436706 m E, 5020481 m N
Legal Description	Parts 4, 5, 6, 7, 8, 9 and 10 on 4R-1238, Parts 1,2, 5, 6, 7, 8, and 9 on 4R-1497, Parts of Lots 15 and 16 Concession 2 (Ottawa Front) (Township of Nepean), Part of the Original Road Allowance between Lots 15 and 16; formerly Township of Nepean; now City of Ottawa; Regional Municipality of Ottawa-Carleton.
Site Area	≈18 ha

** The Universal Transverse Mercator measurements were obtained from Google Earth Pro.*

Property Owner Information

Property Owner	Contact Information
National Capital Commission 40 Elgin Street, Suite 202, Ottawa, Ontario K1P 5K6	Susan Sallaj Ginn Chief Planning Office & Director Phone: (613) 721-2000 1318 Email: ssallajginn@qch.on.ca

2.2 Current and Proposed Future Use

The Site is currently used for residential purposes as a hospital. The Client intends to redevelop the Site with an additional parking garage structure and additions to the existing hospital building; as such, an SPA application is being submitted to the City of Ottawa.

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3.0 Scope of Investigation

This Phase One ESA was completed as specified in Schedule D of O.Reg. 153/04 and follows the mandatory reporting requirements stipulated in Table 1 of the schedule. This Phase One ESA included the following:

- A review of pertinent background and historical information including documents such as aerial photographs and topographic maps (as available)
- Review and summary of available environmental records obtained for the Site from the client and/or public and private sources
- Interviews with persons knowledgeable of the Site and adjacent properties and freedom of information requests
- A site reconnaissance including visual observation of properties within the phase one study area from publicly accessible areas
- Preparation of this report documenting the findings of the Phase One ESA and recommendations for further work, if required, to assess the environmental condition of the Site

This Phase One ESA report describes the methods used to document and identify PCAs associated with the Site and neighbouring properties within the phase one study area. While this report considers said environmental concerns, both past and present, it is limited by the availability of information obtained at the time of the assessment. No subsurface investigation or sampling was completed as part of the Phase One ESA.

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4.0 Records Review

This assessment was based on a review of the following records. A detailed list of sources referenced in this Phase One ESA is presented in Section 9.0.

- Aerial photographs
- Business directories
- Chain of Title
- Fire insurance plans (FIPs) and property underwriters' reports
- An Environmental Risk Information Services Ltd. (ERIS) search of numerous provincial, federal, and private databases
- Ministry of the Environment, Conservation and Parks (Ministry) records
- Technical Standards and Safety Authority (TSSA) records
- Available reports, maps, and other information

4.1 General

4.1.1 Phase One Study Area Determination

O.Reg. 153/04 defines the phase one study area as the area that includes the Phase One Property, any other property that is located, wholly or partly, within 250 m from the nearest point on the Phase One Property boundary, and any property that the Qualified Person (QP_{ESA}) determines should be included as a part of the phase one study area.

Based on a review of current and historical land uses at the Site and surrounding properties, topography, and groundwater flow direction, the QP_{ESA} considered the area within 250 m from the property boundary sufficient to identify PCAs and APECs.

4.1.2 First Developed Use Determination

The first developed use of the Phase One Property is defined by O.Reg.153/04 to be the earlier of (a) the first use of a Phase One Property in or after 1875 that resulted in the

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development of a building or structure on the property, and (b) the first potentially contaminating use or activity on the Phase One Property.

The chain of title review, which provided the oldest available property information, indicated that the Phase One Property was owned by various individuals from 1808 to 1963, following which the National Capital Commission owned the property. Based on information provided by a representative of the Phase One Property, the chain of title, and aerial photograph review, the Site has consisted of residential land use as a hospital since at least 1976.

4.1.3 Fire Insurance Plans

Cambium requested FIPs, inspection reports, and plans from Verisk Analytics Inc. (Verisk). No FIPs were available for review; however, Verisk provided copies of a 1976 Insurance Inspection Report and Site Plan for the Site. A copy of the Verisk report is provided in Appendix B.

Based on Cambium's review of the 1976 Insurance Inspection Report and Site Plan, the following was noted:

- The Site was occupied by the Queensway Carleton Hospital, consisting of two buildings connected via an underground tunnel.
- The main building (south-central portion of the Site) housed of the main hospital operation. The basement of the Site Building A consisted of a morgue, autopsy, pharmacy, and laboratories. The ground floor consisted of offices and wards. The remaining subsequent floors consisted of various wards and offices.
- The building located on the north-central portion of the Site contained a boiler room, electrical shop, carpenter shop, paint storage room, and ambulance parking garage. The 1976 Insurance Inspection Report noted that no automotive repairs were conducted at the Site.
- Heating for the Site was provided by gas and fuel oil. The 1976 report did not indicate whether the fuel oil was stored in an aboveground storage tank (AST) or underground

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storage tank (UST). However, based on Cambium's review of previous work completed at the Site (refer to Section 4.1.5), the fuel oil was stored in a UST.

4.1.4 Chain of Title

A chain of title dating back to 1808 was reviewed to support the determination of first developed land use for the Site and identify PCAs. A copy of the chain of title documents is provided in Appendix C. Property ownership and use details are presented in Section 7.1.

The chain of title review identified the following:

- The Phase One Property was first transferred from Crown in 1808.
- The Phase One Property (PIN 04698-0083) is described as Parts 4, 5, 6, 7, 8, 9 and 10 on 4R-1238, Parts 1,2, 5, 6, 7, 8, and 9 on 4R-1497, Parts of Lots 15 and 16 Concession 2 (Ottawa Front) (Township of Nepean), Part of the Original Road Allowance between Lots 15 and 16; formerly Township of Nepean; now City of Ottawa; Regional Municipality of Ottawa-Carleton.
- The current owner of the Phase One Property is National Capital Commission, which took ownership in 1963.

No pertinent listings contributing to PCAs were identified.

4.1.5 Environmental Reports

Cambium made appropriate inquiries to obtain copies of the following reports prepared in respect of all or part of the Site by or on behalf of a current or former owner respecting environmental conditions at the Site as listed in Schedule D, paragraph 4, subsection 3 (2) of O.Reg. 153/04:

- ESA reports
- Remediation reports
- Reports prepared in response to an order or request from the Ministry

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- Reports relating to the presence of a contaminant on, in, or under the Site, or the existence of an APEC

Relevant information from the available reports is summarized below by report. Cambium commentary is provided in *italics*.

Soil Verification Sampling (Golder Assciates Ltd., 2009)

A Soil Verification Sampling program was completed at the Site by Golder Associates Ltd. (Golder) in April 2009. In addition, Golder reviewed their report entitled “Soil Test Results and Contaminated Soil Removal Monitoring Services – Queensway Carleton Hospital, 3045 Baseline Road, Ottawa, Ontario”, dated March 16, 2009. Cambium was not provided with a copy of this report; however, Golder summarized the following:

- A 12,000 L diesel fibreglass UST was removed from the Site on March 10, 2009. Golder noted that they were not present during the UST removal activities. On March 11, 2009, Golder observed that soil stockpiled from the UST excavation, soil within the excavation, and backfill material (i.e., pea gravel) were impacted with PHCs. Two soil samples were collected from the soil stockpile and submitted for laboratory analysis. Results were compared to the then-applicable Table 3 Site Condition Standards (SCS) for a residential land use with coarse-grained soils in a non-potable groundwater condition, as stipulated in the Ministry document entitled “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act”, and dated March 2004 (2004 Table 3 SCS). The analytical results indicated that PHC-impacted soil was present in the soil stockpile collected from the UST excavation area. Golder recommended that the remaining PHC-impacted soil be removed prior to completing a soil verification program at the Site.

On March 19, 2009, Golder supervised a remediation program at the Site. Approximately 45 tonnes of PHC-impacted soil was removed from the Site and disposed of at a licensed facility. The size of the excavation was approximately 4.6 m in length, 3.2 m in width, and ranged between 2.0 and 2.5 m in depth. Bedrock was encountered at a depth ranging between ranged between 2.0 and 2.5 m below ground surface (mbgs). Groundwater was observed within the excavation.

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Five confirmatory soil samples were collected from the final extent of the walls of the excavation. Since the excavation was advanced to bedrock, no soil samples were collected from the base of the excavation. One groundwater sample was collected from the groundwater which seeped into the excavation.

Soil and groundwater samples were submitted for laboratory analysis of PHC fractions 1 to 4 (PHC F1-F4) and BTEX. All analysis results met the 2004 Table 3 SCS.

Cambium compared the analysis results to the currently applicable Table 3 SCS (full-depth generic site condition standards in a non-potable groundwater condition, residential land use, coarse-textured soils), as outlined in the Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (MOE, 2011)*. All analysis results met the 2011 Table 3 SCS. Based on the documented removal and confirmatory sampling demonstrating compliance with the applicable SCS, the former UST is a PCA that is not considered to result in an APEC and is not carried forward as a PCA for the purposes of the Phase Two ESA.*

Geotechnical Desktop Study (WSP Canada Inc., 2024)

WSP Canada Inc. (WSP) completed a Geotechnical Desktop Study review at the Site in June 2024 as part of preliminary work for a proposed expansion at the Site.

WSP reviewed the following reports:

- Report entitled "*Report on Preliminary Geotechnical Investigations, Faculty Development Plan – Part 3A, Queensway-Carleton Hospital, Baseline Road, Ottawa, Ontario*", prepared by Golder and dated October 29, 2008.
- Report entitled "*Geotechnical Background Information 2009, Queensway-Carleton Hospital, Baseline Road, Ottawa, Ontario*", prepared by Golder and dated August 10, 2009.

Cambium was not provided with copies of the above-noted reports; however, WSP summarized the following:

- A total of 99 boreholes and test pits were advanced at the Site between 1968 and 2008. Stratigraphy at the Site consisted of a layer of soil/fill material (i.e., sand, silt and gravel)

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overlying silty sand and/or clayey deposits with variable amounts of sand and silt. This material is underlain by sandy glacial till over dolostone bedrock.

The presence of fill material of unknown quality identified during previous subsurface investigations at the Site is a PCA that contributes to an APEC.

Geotechnical Investigation (WSP Canada Inc., 2025)

WSP completed at Geotechnical Investigation at the Site in April 2025. The scope of work consisted of the advancement of 16 boreholes, 6 of which were installed as groundwater monitoring wells.

Stratigraphy at the Site consisted of a layer of topsoil/fill material overlying clayey silt to silty clay with variable amounts of sand. Fill material (not part of a pavement structure) was encountered at a depth ranging between 0.4 mbgs and 3.0 mbgs. Bedrock was encountered at a depth ranging between 1.7 mbgs and 10.0 mbgs.

Groundwater level measurements collected in overburden material ranged between 1.9 m below ground surface (bgs) and 4.7 mbgs. Groundwater level measurements collect in bedrock ranged between 5.0 mbgs and 5.4 mbgs.

As noted above, the presence of fill material of unknown quality identified during previous subsurface investigations at the Site is a PCA that contributes to an APEC.

4.2 Environmental Source Information

Cambium made inquiries appropriate to obtain reasonably accessible records pertaining to the Site, including the following, as listed in Schedule D, paragraph 7, subsection 3(2), of O.Reg. 153/04:

- National Pollutant Release Inventory information maintained by Environment Canada
- Polychlorinated biphenyl (PCB) information maintained by the Ministry
- Certificates of approval, permits to take water, certificates of property use or similar instruments related to the environmental condition of the Phase One Property and any

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property on, under or adjacent to the Phase One Property and issued pursuant to an Act administered by the Ministry, whether in force or not

- The *Inventory of Industrial Facilities Producing or Using Coal Tar or Related Tars in Ontario* (MOE, 1988a) and the *Inventory of Coal Gasification Plant Waste Sites in Ontario* (MOE, 1988b).
- Records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the Ministry where the incident, order, offence, spill, discharge or inspection affects the Phase One Property and any property on, under or adjacent to the Phase One Property
- Waste management records, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347 of the Revised Regulations of Ontario, 1990 (General — Waste Management) made under the Act, or its predecessors with respect to the Phase One Property and any property on, under or adjacent to the Phase One Property
- Reports submitted to the Ministry related to the environmental conditions of the Phase One Property and any property on, under or adjacent to the Phase One Property
- Retail fuel storage tanks information maintained by the Technical Standards and Safety Authority
- Notices and instruments, including Records of Site Condition (RSCs), posted in the Environmental Registry
- Identification of areas of natural significance maintained by the Ministry of Natural Resources and Forestry
- Landfill information maintained by the Ministry - *Waste Disposal Site Inventory* (MOE, 1991)

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4.2.1 City Directories

Cambium conducted a search of available city directories for the Site and surrounding properties at the Library and Archives of Canada in Ottawa, Ontario. Directories dated 1960 to 2011 were available. The Site was not listed in the 1960 to 1979 city directories. The Site was listed as Queensway Carleton Hospital between 1984 and 2011. Neighbouring properties in the vicinity of the Site are listed as residential or various commercial listings (i.e., office, retail, and construction operations).

A summary of the directory listings for the Site and surrounding properties is included in Appendix D.

4.2.2 ERIS Data

ERIS is a private environmental database and information service company. Cambium contracted ERIS to provide a database report for the phase one study area (ERIS, 2025). The ERIS report summarizes the findings of a search of various federal, provincial, and private source databases for all properties within 250 m from the site boundary. The ERIS report is presented in Appendix E.

On-Site Records

The following environmentally significant records were identified for the Site:

- Queensway Carleton Hospital was registered at the Site as a generator of waste oils and lubricants, pharmaceutical, pathological wastes, alkaline wastes-heavy metals, paint/pigment/coating residues, aliphatic solvents, acid waste-heavy metals, oil skimmings and sludges, polychlorinated biphenyls (PCBs), waste oils and lubricants, petroleum distillates, waste compressed gases, organic laboratory chemicals, inorganic laboratory chemicals and light fuels between 1986 and 2022. The Ministry's waste generator database indicated that approximately 1,173,124 kg of wastes were generated at the Site between 2002 and 2018. Based on the nature of operation, it is Cambium's opinion that the hazardous waste generation is associated with hospital operations and elevator maintenance. Based on Cambium's observations (i.e., no staining in the elevator

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maintenance room), the nature of operations and the lack of historical spill records in relation to the elevator, it is Cambium's opinion that this listing does not represent a PCA for the Site.

- The CFOT database indicated that in 2008 the Site was equipped with a 20,000 L fibreglass fuel oil tank. *Based on the documented removal and confirmatory sampling demonstrating compliance with the applicable SCS, the former UST is a PCA that is not considered to result in an APEC and is not carried forward as a PCA for the purposes of the Phase Two ESA.*
- The SPL database indicated that on July 8, 2015, 4 L of hydraulic oil were spilled on the ground surface at the Site and into a catch basin and was subsequently cleaned. *Based on the small volume of the spill and the receiving medium (i.e., catch basin), the historical spill does not represent a PCA for the Site.*

Off-Site Records

The following environmentally significant records were identified for properties within the phase one study area.

Intersection of Cedarview Road and Baseline Road (Adjacent to the south and upgradient)

- The Ontario Spills (SPL) database indicated that on September 19, 1995, 100 L of diesel was spilled onto the ground surface and into a catch basin at this property. The ERIS report noted that environmental impacts was not anticipated. In addition, the SPL database indicated that on February 3, 2022, an unknown quantity of windshield washer fluid and anti-freeze fluid were spilled onto the ground surface at this property. Based on the receiving medium (i.e., catch basin) and no anticipated environmental impacts, this PCA does not contribute to an APEC for the Site.

3448 Richmond Road (Adjacent to the north of the Site and downgradient)

- The Contaminated Sites on Federal Land (FCS) database indicated that metal, metalloid and organometallic, and PHC impacted soil, and metal, metalloid and organometallic groundwater impacts were present at this property. A remediation and periodic monitoring

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program was completed at this property. The total impacted area of approximately 0.608 ha was remediated in 2009. Following a preliminary classification at this property, no further action was required and the file was closed in 2013/2014. Based on the above-noted information and previous work completed at this property, it is Cambium's opinion that this property is a PCA that does not contribute to an APEC for the Site.

3440 Richmond Road (Adjacent to the north of the Site and downgradient)

- Tubman Funeral Homes was registered as a generator of pathological wastes between 1988 and 1998. Based on the nature of operations and Cambium's observations (i.e., no storage of hazardous materials), the hazardous waste generated at this property does not represent a PCA for the Site.

The ERIS report also contained additional off-site listings in various databases. Review of these records indicated the data was for properties not in close proximity to the Site (i.e., greater than 100 m) or was not environmentally significant. Based on the distance between these properties and the Site and/or the inferred groundwater flow direction (i.e., downgradient), it is Cambium's opinion that these listings do not represent PCAs for the Site.

4.2.3 Coal Gasification Plants

The *Inventory of Industrial Facilities Producing or Using Coal Tar or Related Tars in Ontario* (MOE, 1988a) was reviewed. No industrial facilities producing or using coal or related tars were identified within 1,500 m of the Site.

The *Inventory of Coal Gasification Plant Waste Sites in Ontario* (MOE, 1988b) was reviewed. No coal gasification plant wastes sites were identified within 1,500 m of the Site.

4.2.4 Waste Disposal Site Inventory

The *Waste Disposal Site Inventory* (MOE, 1991) was reviewed. No waste disposal sites were identified within 1,500 m of the Site.

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4.2.5 Freedom of Information

Freedom of information (FOI) requests were submitted to the Ministry and the TSSA. Responses are summarized below. Copies of the FOI requests and responses, if available, are included in Appendix F.

Ministry of the Environment, Conservation and Parks FOI Results

An FOI request was submitted to the Ministry on July 8, 2025. A response to the FOI request submitted to the Ministry was not received prior to completion of this report. The results of the FOI request will be provided under separate cover if they change the findings of the Phase One ESA.

TSSA FOI Results

An FOI request for 3045 Baseline Road was submitted on July 8, 2025. A response was received on August 6, 2025, indicating records are available for the Site. The following summarizes the records:

- A propane AST was installed at the Site in 2022. Based on the contents stored (i.e., propane gas), it would not contaminate the soil and groundwater at the Site, and as such does not represent a PCA for the Site
- A 20,000 L fibreglass fuel oil UST was installed at the Site in 2008. The UST is considered a PCA that contributes to an APEC.

4.2.6 Access Environmental Site Registry

Cambium searched for RSCs and transition notices filed in the Access Environmental Site Registry (Ontario, 2025). No RSCs or Transition Notices were found for the Site or properties within the phase one study area.

4.3 Physical Setting Sources

The following documents were available for review and were used to supplement the information database for this report.

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- Historical aerial photographs
- Topography, hydrology, and geology maps (stratigraphic maps, topographic maps, Ontario base mapping (OBM), etc.)
- Areas of Natural or Scientific Interests (ANSI) maps
- Well records

4.3.1 Aerial Photographs

Aerial photographs dated 1958, 1960, 1973, 1987, 1994, 2007, 2017 and 2024 were reviewed to identify the first developed use of the Site and subsequent on-site activities, buildings, structures, PCAs, and APECs, as per Schedule D, paragraph 9, of O.Reg. 153/04. Detailed observations are provided in Appendix G. The aerial photographs are provided as Figure 5 to Figure 12.

Review of the aerial photographs indicated that the Site was developed for residential use (i.e., hospital) between 1973 and 1987. The original portion of Site Building A was evident in the 1987 aerial photograph, with additions evident along the east portion in 2007 and the west portion in 2017 aerial photographs. Site Building B was evident in the 2017 aerial photograph.

A railway line oriented in an east-west direction was evident in all aerial photographs since 1960 and located approximately 145 m south of the Site. Based on the distance between the railway line and the Site, it is Cambium's opinion that this PCA does not contribute to an APEC for the Site.

4.3.2 Topography, Hydrology, and Geology

Review of a topographic map (MNR, 2025) indicates that the Site and surrounding area generally slopes down to the north toward Graham Creek.

The Site is within the Clay Plains physiographic region (Chapman & Putnam, 1984), characterized by till plains. In the general area, the overburden is silt and clay with minor sand and gravel (OGS, 2010). The soils overlie Oxford Formation dolostone (OGS, 2007). A review of Ministry water well records (MECP, 2025) for boreholes within 200 m of the Site indicated

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that the local stratigraphy consisted of silt and sand overlying clay. Sandstone bedrock was encountered at about 2.4 mbgs in a well to the west of the Site.

4.3.3 Fill Materials

Previous investigations have indicated that clean fill material (i.e., gravel) was used to backfill previous excavations at the Site (refer to Section 4.1.5). Based on the presence of clean fill material used, it is Cambium's opinion that the fill material does not represent a PCA for the Site.

4.3.4 Water Bodies and Areas of Natural Significance & Ground Water Information

The closest water body to the Site is Graham Creek, about 320 m northeast and the Ottawa River is about 1,865 m north of the Site. Therefore, the Site is not within 30 m of a water body, as defined in O.Reg. 153/04.

Based on the distance, topography, direction of these waterbodies and drainage flow pattern (i.e., northwest), the regional groundwater flow direction is inferred to be to the north.

The following were reviewed to identify if the Site includes, is adjacent to, or within 30 m of an area of natural significance:

1. The study area does not include areas reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006* (Ontario, 2023).
2. No areas of natural or scientific interest (life science or earth science) identified by the Ministry of Natural Resources (MNR) as having provincial significance, nor wetlands identified by the MNR as having provincial significance were adjacent to, or within 30 m of the Site (MNR, 2025). Unevaluated wetlands are present 165 m south of the Site at the closest point.
3. The Site does not include areas designated as a wilderness area under the *Wilderness Areas Act* (MNRF, 2024)

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4. The Natural Heritage Information Centre (NHIC) identified the potential presence of habitat for the following threatened or endangered species within the 1 km grid overlapping the Site (MNR, 2025).

   - Eastern Meadowlark (*Sturnella Magna)* – threatened
   - Bobolink (*Dolichonyx oryzivorus)* – threatened
   - Wood Thrush (*Hylocichla mustelina)* – threatened
   - Least Bittern (*Botaurus exilis)* – threatened
   - Butternut (*Juglans cinerea)* – endangered

As defined in Section 1 of O.Reg. 153/04, an area that contains habitat for endangered or threatened species is considered an area of natural significance. A review of the Site by an ecologist could be completed to verify the presence of suitable habitat.

4.3.5 Well Records

A search of the Ministry Water Well Information System by ERIS identified one record for an on-site water supply well and 18 water supply well records within the phase one study area, ranging from about 30 m to 250 m from the Site. The wells were identified as domestic water supply wells, commercial water supply wells, public water supply wells, observation wells, and monitoring and test holes.

Stratigraphy in the on-site wells was generally sand and gravel to about 1.8 mbgs overlying limestone and sandstone bedrock. Stratigraphy in the off-site wells within 100 m of the Site was generally silt and gravel to about 4.8 mbgs.

4.4 Site Operating Records

A review of available site operating records is required when the Site is an Enhanced Investigation Property. A property is defined as an Enhanced Investigation Property as per paragraph 32 (1) (b) of O.Reg. 153/04 if it is used, or has ever been used, in whole or in part for an industrial use or for any of the following commercial uses:

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- A garage
- A bulk liquid dispensing facility, including a gasoline outlet
- For the operation of dry cleaning equipment

Review of the site history indicated the Site is not an Enhanced Investigation Property. As such, a review of available site operating records was not completed.

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5.0 Interviews

As per O.Reg. 153/04, interviews with persons described below are required in an effort to obtain further information regarding the Site use, occupancy history, and environmental conditions of the Site. This may include the following:

- Persons relevant to meeting the objectives of the Phase One ESA
- Current occupants and/or owners of the Site, or an individual with control of or authority over the owner
- Previous owners and/or occupants
- For industrial/commercial properties, a person that is knowledgeable of the Site activities (to be conducted on-site)
- Where the owner/occupant is not available, at least one owner or occupant of an adjacent property and one provincial or municipal government official, both of whom should be familiar with the Site

An interview was conducted with Mr. Peter Thompson, Advisor Planning and Facilities with the Queensway Carleton Hospital, who has been knowledgeable of the Site for more than 20 years. The information provided was used to inform the site reconnaissance and is incorporated throughout the report.

As described in Section 4.2.5, FOI requests were submitted to the Ministry and the TSSA for information they may have on file pertaining to the Site. A response from the Ministry was not received prior to completion of this report. The FOI response will be provided under separate cover if it changes the findings of the Phase I ESA. A response to the FOI TSSA request is documented in Section 4.2.5.

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6.0 Site Reconnaissance

6.1 General Requirements

Mr. Dave Labelle, B.A., EP of Cambium conducted a site reconnaissance on July 8, 2025. At the time of the reconnaissance, the Site was developed with a single-storey hospital building complete with two, three and four-storey portions, located on the south portion of the Site (Site Building A); and a seven-storey parking garage structure located on the central portion of the Site (Site Building B). In addition, an office trailer was located on the central portion of the Site and a steel-framed, fabric-covered, road salt and sand storage structure was located on the north portion of the Site.

Cambium also conducted a walk-by of the surrounding properties in the phase one study area to identify potential off-site PCAs that may contribute to an APEC on the Phase One Property. Surrounding properties were viewed from publicly accessible areas.

During the site reconnaissance, the weather was hot and sunny with no precipitation. The entire Phase One Property was accessible, and all aspects of the property were inspected. Information obtained from the site reconnaissance is presented in Section 6.2. Select photographs taken during the site reconnaissance are included in Appendix H.

6.2 Specific Observations at Phase One Property

Cambium made all reasonable attempts to obtain the following information where applicable, as required by Schedule D, subsection 13 (1) of O.Reg. 153/04:

1. A general description of structures and other improvements, including the number and age of buildings
2. A general description of the number, age and depth of below ground structures
3. Details of all tanks, above and below ground, at the Phase One Property, including the material and method of construction of the tank, tank age, tank contents and tank volume, whether in use or not
4. Any potable and non-potable water sources

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5. The type and approximate location of underground utility and service corridors, such as sewer, water, electrical or gas lines, located on, in or under the Phase One Property

With respect to the structures and buildings on the Site, the following information was obtained:

1. Exit and entry points
2. Details of existing and former heating systems, including type and fuel source
3. Details of cooling systems, including type and fuel source, if any
4. Details of any drains, pits and sumps, including their current use, if any, and former use
5. Details of any unidentified substances
6. Details, including locations, of stains or corrosion on floors other than from water, where located near a drain, pit, sump, crack or other potential discharge location.

Inquiries were also made to determine the following

1. Details including locations of current and former wells, including all wells described or defined in or under the *Ontario Water Resources Act and the Oil, Gas and Salt Resources Act*
2. Details of sewage works, including their location
3. Details of ground surface, including type of ground cover, such as grass, gravel, soil or pavement
4. Details of current or former railway lines or spurs and their locations

For the portion of the Phase One Property not covered by structures and buildings, the following observations were made:

1. Areas of stained soil, vegetation or pavement
2. Stressed vegetation
3. Areas where fill and debris materials appear to have been placed or graded
4. Potentially contaminating activity

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5. Details of any unidentified substances found at the Phase One Property

The following is a description of the various points of investigation noted during the site reconnaissance conducted for the Phase One ESA. Observations made during the site reconnaissance are discussed in the following sections in detail regarding any findings that are relevant to identifying PCAs and APECs.

6.2.1 Structures and Other Improvements

The Site consists of two buildings (Site Building A and B), an office trailer, a steel-framed, fabric-covered, road salt and sand storage structure, parking lots, grassed boulevards, sidewalks, and undeveloped land. The original portions of Site Building A were reportedly constructed in approximately 1976 with additions constructed in approximately 2005, 2010, and 2012. Site Building B was reportedly constructed in approximately 2010.

Site Building A is equipped with several cable-driven and hydraulically operated elevators. Hydraulic oil is stored in steel reservoirs located in three elevator maintenance rooms located in the basement of Site Building A. Based on Cambium's observations (i.e., no staining) and lack of historical spill records, it is Cambium's opinion that the hydraulic reservoirs do not represent PCAs for the Site.

Site Building B is equipped with a cable driven elevator.

6.2.2 Underground Utility and Service Corridors

The Site is serviced by municipal utilities (e.g., electricity, natural gas, water, sewer, communications); however, the exact locations of the underground utilities was not determined as part of the Phase One ESA.

6.2.3 Storage Tanks – Above Ground and Underground

The following tanks were observed during the site reconnaissance:

A propane storage tank and two liquid oxygen tanks are present at the Phase One Property; however, propane or oxygen are not identified as a PCA in Table 2 of O. Reg. 153/04. Based

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on the contents stored (i.e., propane gas and liquid oxygen), it would not contaminate the soil and groundwater at the Site, and as such does not represent a PCA for the Site

- One 20,000 L double-walled diesel UST located on-site (adjacent to the east of the emergency generator room of Site Building B)
- Three 2,275 L double-walled diesel ASTs located on-site (within the emergency generator room of Site Building B)
- One 2,275 L double-walled diesel AST located on-site (adjacent to the east of the emergency generator room of Site Building B)

The presence of the USTs/ASTs on-site are considered PCAs that contributes to APECs.

In addition, based on Cambium's historical review of inspection reports (refer to Section 4.1.3), a former fuel oil UST was historically present at the Phase One Property adjacent to the north of the boiler room of Site Building A. Records indicate that the UST was removed and a remediation program was completed at the Site in 2009. Confirmatory soil sampling was completed at the time of remediation, and the analytical results indicated that PHCs and BTEX concentrations met the applicable standards. Based on the documented removal and confirmatory sampling demonstrating compliance with the applicable SCS, the former UST is a PCA that is not considered to result in an APEC and is not carried forward as a PCA for the purposes of the Phase Two ESA

6.2.4 Oil/Water Separators

No oil/water separators were observed or reported at the Site.

6.2.5 Potable Water Sources

The phase one study area is municipally serviced for drinking water. No drinking water wells were observed at the Site. Multiple records of drinking water wells within the study area were identified by the records review.

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6.2.6 Entry and Exit Points

The Site is accessible from the north via a driveway from John Sutherland Drive and from the south via a driveway from Baseline Road.

6.2.7 Heating and Cooling Systems

Heating within Site Building A was observed as natural gas-fired heating and cooling systems was observed as rooftop chillers. Supplemental heating for Site Building A is provided by propane stored in an AST located adjacent to the north-central portion of Site Building A.

Site Building B is not heated.

6.2.8 Drains, Pits, and Sumps

No pits or lagoons were observed or reported at the Site. However, three sumps are located in the basement of Site Building A and discharge into the municipal sewer system. In addition, floor drains were observed in the basement of Site Building A and ground floor of Site Building B. No petroleum hydrocarbon sheen was noted on the surface of the water within the drains or on the floor in the vicinity of the floor drains.

6.2.9 Unidentified Substances

No unidentified substances were observed or reported at the Site.

6.2.10 Current and Former Wells

The following monitoring wells were observed during the site reconnaissance:

- Two geotechnical monitoring wells are located on the east portion of the Site.
- One geotechnical monitoring well is located on the west portion of the Site.

6.2.11 Septic Fields

The Site is serviced by a municipal sewer system. No evidence of a septic field was observed during the site visit.

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6.2.12 Ground Surface Conditions

The following ground surface covers were observed in the Site:

- Asphalt/pavement with minor visible cracks was observed in the parking lot areas throughout the Site.
- Grass cover boulevards and concrete sidewalks are located throughout the Site.
- Mature trees and brush were observed along the south and west Site boundaries.

It is anticipated the parking lot and walkway areas are salted in the winter months for de-icing. The application of salt is a PCA that contributes to an APEC. However, the QP_{ESA} has determined that a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice at the Site. As such, the exemption set out in paragraph 1 of section 49.1 of O.Reg. 153/04 will be relied upon.

Furthermore, a steel-framed, fabric-covered, road salt and sand storage structure located on the north portion of the Site is used for salt storage for winter maintenance. Based on the bulk storage of salt, it is Cambium's opinion that this PCA contributes to an APEC.

6.2.13 Railway Lines or Spurs

No railway lines or spurs were observed on the Site. Based on observations, the records review and aerial imagery, a railway line oriented in an east-west direction is located approximately 145 m south of the property boundary. Based on the distance between the railway line and the Site, it is a PCA that does not contribute to an APEC for the Site.

6.2.14 Stained Soil, Vegetation, or Pavement

No surface staining was observed at the Site.

6.2.15 Stressed Vegetation

No areas of stressed vegetation were observed on the Site.

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6.2.16 Fill and Debris Materials

As noted in Section 4.1.5, fill material was noted during the geotechnical investigations to a depth of about 3.0 mbgs. Therefore, it is anticipated that fill material of unknown quality is present across the Site and is a PCA that contributes to an APEC.

Furthermore, previous investigations have indicated that clean fill material (i.e., gravel) was used to backfill previous excavations at the Site (refer to Section 4.1.5). Based on the presence of clean fill material used, it is Cambium's opinion that this fill material does not represent a PCA for the Site.

6.2.17 Unidentified and Other Hazardous Substances

No unidentified substances were observed at the Site.

6.2.18 Adjacent Land Uses and Environmental Concerns

Adjacent property uses include:

North	Commercial use, and agricultural or other use
South	Baseline Road, residential use and agricultural or other use
East	Residential use
West	Highway 416 and agricultural or other use

No PCAs were identified based on operations at the adjacent properties.

6.2.19 Enhanced Investigation Property

Review of the site history indicated the Site is not an Enhanced Investigation Property.

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6.3 Written Description of Investigation

This Phase One ESA included a review of historical documents, an interview with a person knowledgeable about the historical and current uses of the Site, and a site reconnaissance to observe existing site conditions.

A reconnaissance of the Site was conducted to examine the exterior and interior of all on-site buildings and structures, and to examine the exterior portions of the Site. Access was provided to the interiors of all Site Buildings. Mechanical equipment (including heating and cooling systems) was documented, as was any evidence of USTs and ASTs. The exterior portions of the Site were examined for evidence of utilities and related infrastructure; water wells; site drainage and related infrastructure; stained areas; stressed vegetation; and evidence of fill material.

The reconnaissance included an examination of all properties within the phase one study area from public access ways to document and characterize PCAs, water bodies, and areas of natural significance.

Further to the description of the investigations outlined above, the findings that are relevant to the existence of an APEC or PCA are described in Section 7.0.

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7.0 Review and Evaluation of Information

7.1 Current and Past Uses

Based on the available aerial photography, city directories, FIPs, and the chain of title report, Table 1 summarizes the current and past uses, and ownership identified.

Table 1 Table of Current and Past Uses of the Phase One Property

Year	Name of Owner	Description of Property Use	Property Use[1]	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 1808	Crown	Vacant	Agricultural or other use	Understood to be vacant or possibly agricultural land.
1808	Aird Rose, and Mary McDonnell	Vacant	Agricultural or other use	None
1817	David Wright	Vacant	Agricultural or other use	None
1819	John LeBerton	Vacant	Agricultural or other use	None
1830	Richard Mears, Thomas Mears, and D. Patee	Vacant	Agricultural or other use	None
1831	James LeBreton	Vacant	Agricultural or other use	None
1839	Sheriff Township of Nepean	Vacant	Agricultural or other use	None
1840	Rob Matherson	Vacant	Agricultural or other use	None
1845	James Brown	Vacant	Agricultural or other use	None
1847	Bank of Montreal	Vacant	Agricultural or other use	None

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Year	Name of Owner	Description of Property Use	Property Use[1]	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1852	John Egan	Vacant	Agricultural or other use	None
1855	Weldon Graham	Vacant	Agricultural or other use	None
1870	William Fenton, and James Bearman	Vacant	Agricultural or other use	None
1901	James MaGee	Vacant	Agricultural or other use	None
1905	Mary H. Henry, and Bower Henry	Vacant	Agricultural or other use	None
1911	John A. Graham	Vacant	Agricultural or other use	None
1939	Arthur N. Acres, and George B. Acres	Vacant	Agricultural or other use	None
1944	John Moffat	Vacant	Agricultural or other use	None
1952	Reginald A.S. Bruce, Adam N. Acres, and George B. Acres	Vacant	Agricultural or other use	None
1954	Jack H.W. Tretman, and Palma N.A. Tretman	Vacant	Agricultural or other use	None
1956	Mary Rose Whiting	Vacant	Agricultural or other use	None

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Year	Name of Owner	Description of Property Use	Property Use[1]	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1961	Adam N. Acres, and George B. Acres	Vacant	Agricultural or other use	None
1963-Present	National Capital Commission	Residential use as hospital after 1976	Residential use	Based on 1987 aerial photograph, hospital building and parking lots are present

Notes:

1. for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

Agriculture or other use
Commercial use
Community use
Industrial use
Institutional use
Parkland use
Residential use

7.2 Potentially Contaminating Activity

Cambium reviewed information available for the phase one study area to identify environmental issues normally assessed in a Phase One ESA. The Phase One ESA identified 10 PCAs (7 on-site and 3 off-site) within the phase one study area. Refer to Section 7.4.5 for further description of the identified PCAs and Figure 3 for locations of the identified PCAs.

7.3 Areas of Potential Environmental Concern

As required by O.Reg. 153/04, all on-site PCAs contributed to an APEC. Based on the distance and/or direction from the Site, local topography, and inferred groundwater flow direction, none of the off-site PCAs contributed to an APEC. Refer to Section 7.4.6 for APEC details and Figure 4 for APEC locations.

7.4 Phase One Conceptual Site Model

The following descriptions and discussion supplement Figure 3 and Figure 4, and together comprise the Phase One Conceptual Site Model (CSM). The purpose of the CSM is to assist

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the QP in illustrating the results of the Phase One ESA and to provide a basis for further work, if required.

7.4.1 Site Description

The Site description includes:

- The Site is located at 3045 Baseline Road, Ottawa, Ontario
- UTM coordinates are Zone 18T, 436706 m E, 5020481 m N
- The Site is located on the northwest corner of the intersection of Baseline Road and John Sutherland Drive.

7.4.2 Existing Buildings and Structures

The Site consists of two buildings (Site Building A and B), an office trailer, a steel-framed, fabric-covered, road salt and sand storage structure, parking lots, grassed boulevards, sidewalks, and undeveloped land. The original portions of Site Building A were reportedly constructed in approximately 1976 with additions constructed in approximately 2005, 2010 and 2012. Site Building B was reportedly constructed in approximately 2010.

7.4.3 Water Bodies and Areas of Natural Significance

The closest water body to the Site is Graham Creek, about 320 m northeast and the Ottawa River is about 1,865 m north of the Site. Therefore, the Site is not within 30 m of a water body, as defined in O.Reg. 153/04.

Based on the distance, topography, direction of these waterbodies and drainage flow pattern (i.e., northwest), the regional groundwater flow direction is inferred to be to the north.

The following were reviewed to identify if the Site includes, is adjacent to, or within 30 m of an area of natural significance:

1. The study area does not include areas reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006* (Ontario, 2023).

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2. No areas of natural or scientific interest (life science or earth science) identified by the Ministry of Natural Resources (MNR) as having provincial significance, nor wetlands identified by the MNR as having provincial significance, were adjacent to, or within 30 m of the Site (MNR, 2025). Unevaluated wetlands are present 165 m south of the Site at the closest point.
3. The Site does not include areas designated as a wilderness area under the *Wilderness Areas Act* (MNRF, 2024)
4. The Natural Heritage Information Centre (NHIC) identified the potential presence of habitat for the following threatened or endangered species within the 1 km grid overlapping the Site (MNR, 2025).
    - Eastern Meadowlark (*Sturnella Magna)* – threatened
    - Bobolink (*Dolichonyx oryzivorus)* – threatened
    - Wood Thrush (*Hylocichla mustelina)* – threatened
    - Least Bittern (*Botaurus exilis)* – threatened
    - Butternut (*Juglans cinerea)* – endangered

As defined in Section 1 of O.Reg. 153/04, an area that contains habitat for endangered or threatened species is considered an area of natural significance. A review of the Site by an ecologist could be completed to verify the presence of suitable habitat.

7.4.4 Drinking Water Wells

The phase one study area is municipally serviced for drinking water. No drinking water wells were observed at the Site. However, multiple records of drinking water wells within the Phase One ESA study area were identified by the records review.

A search of the Ministry Water Well Information System by ERIS identified one record for an on-site water supply well and 18 water supply well records within the phase one study area, ranging from about 30 m to 250 m from the Site. The wells were identified as domestic water

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supply wells, commercial water supply wells, public water supply wells, observation wells, and monitoring and test holes.

7.4.5 Potentially Contaminating Activities

Based on the review and evaluation, 10 PCAs (seven on-site and three off-site) were identified within the Phase One Study Area. Refer to Table 2 for PCA details and Figure 3 for locations.

Table 2 Potentially Contaminating Activities

PCA ID #	Potentially Contaminating Activity[1]	Location of PCA	PCA Description	APEC[2] (Yes/No)
1	PCA #30: Importation of Fill Material of Unknown Quality	On-site, entire site	Based on previous Geotechnical Investigations at the Site, fill material was observed throughout the Site.	Yes
2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel UST located adjacent to the east of Site Building B.	Yes
3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located adjacent to the north portion of Site Building B.	Yes
4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
7	PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site, north portion of the Site	A steel-framed, fabric-covered, road salt and sand storage structure located on the north portion of the Site has been used for salt storage.	Yes
8	Other – Hydrocarbon spill	Off-site, adjacent to the south portion of the Site	A diesel spill of 200 L onto the ground surface and into a catch basin located at the intersection of Cedarview Road and Baseline Road	No
9	Other - Historical Contaminated Sites on Federal Land record	Off-site, adjacent to the north portion of the Site	The property at 3448 Richmond Road was listed in the FCS database of various soil and groundwater impacts at this	No

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PCA ID #	Potentially Contaminating Activity[1]	Location of PCA	PCA Description	APEC[2] (Yes/No)
			property which were subsequently remediated.	
10	PCA #46: Rail yards, Tracks and Spurs	Off-site, 145 m south of the Site	A railway line has been evident south of the Site since at least 1960.	No

Notes:

1. Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in the Phase One study area.

2. Area of Potential Environmental Concern (APEC) means the area on, in, or under a Phase One Property where one or more contaminants are potentially present.

The QP_{ESA} has determined that a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice at the Site. As such, the exemption set out in paragraph 1 of section 49.1 of O.Reg. 153/04 will be relied upon.

7.4.6 Areas of Potential Environmental Concern

All on-site PCAs contributed to an APEC. Based on a review of potential to result in contamination in the Site, none of the off-site PCAs contributed to APECs. Refer to Table 3 for APEC details and Figure 4 for APEC locations.

Table 3 Areas of Potential Environmental Concern

APEC[1]	Location of APEC on Phase One Property	PCA[2]		Location of PCA	Contaminants of Potential Concern[3]
1	Entire Site	1	PCA #30: Importation of Fill Material of Unknown Quality	On-site, entire site	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR
2	North-central portion of the Site	2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals

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APEC[1]	Location of APEC on Phase One Property	PCA[2]		Location of PCA	Contaminants of Potential Concern[3]
3	North-central portion of the Site	3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
4	North-central portion of the Site	4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
5	North-central portion of the Site	5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
6	North-central portion of the Site	6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
7	Northeast portion of the Site	7	PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site, northeast portion of the Site	EC, SAR, CN, Na and Cl

Notes:

1. Area of Potential Environmental Concern (APEC) means the area on, in, or under a Phase One Property where one or more contaminants are potentially present.

2. Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in the Phase One study area.

3. Method groups as defined in Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011

7.4.7 Contaminants of Potential Concern

COPCs were identified for each PCA contributing to an APEC. The COPCs specific to each APEC are summarized in Table 3. PHCs, BTEX, PAHs, metals and hydride-forming metals, and ORPs including B-HWS, CrVI, Hg, EC, CN, SAR, pH, Na, and Cl- were identified as COPCs for the APECs.

7.4.8 Contaminant Distribution and Transport

Various utilities (i.e., natural gas, electrical, water, sewer, etc.) were observed to enter the Site from Baseline Road and Richmond Road. Contaminant distribution and transport may be

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influenced by the presence of current utility trenches, as well as any utility trenches that were historically present on the Site.

No specific climatic or meteorological conditions were observed that may influence the distribution or migration of contaminants.

7.4.9 Geological and Hydrogeological Setting

Review of a topographic map (MNR, 2025) indicates that the Site and surrounding area generally slopes down to the north toward Graham Creek.

The Site is within the Clay Plains physiographic region (Chapman & Putnam, 1984), characterized by silt and clay, glaciomarine and marine deposits. In the general area, the overburden is silt and clay with minor sand and gravel (OGS, 2010). The soils overlie Oxford Formation dolostone (OGS, 2007). A review of Ministry water well records (MECP, 2025) for boreholes within 200 m of the Site indicated that the local stratigraphy consisted of silt and sand overlying clay. Sandstone bedrock was encountered at about 2.4 mbgs in a well to the west of the Site.

The closest water body to the Site is the Graham Creek, located approximately 320 m northeast of the Site, which flows in a northwesterly direction, toward its confluence with the Ottawa River, approximately 1,865 m north of the Site. Based on the topography and the nearest body of water, the shallow groundwater flow direction in the phase one study area is inferred to be northwesterly toward the confluence of the Graham Creek and the Ottawa River. No areas of natural significance, as defined in Section 1 of O.Reg. 153/04, were identified in whole or in part within the phase one study area (MNRF, 2021).

Previous subsurface work and geotechnical investigations completed by Golder and WSP between 2009 and 2025 identified the soil profile at the Site (refer to Section 4.1.5). The Site consisted of asphalt/topsoil overlying fill material (sand and gravel) to a maximum depth of approximately 3.0 mbgs overlying clayey silt to silty clay with variable amounts of sand. Bedrock was encountered at a depth ranging between 1.7 mbgs and 10.0 mbgs.

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7.4.10 Uncertainty or Absence of Information

All aspects of the Phase One ESA were conducted consistent with O.Reg. 153/04, and as such, the Site was investigated thoroughly. As access to the entire Site was possible, and adequate historical information was available through the interviewee's, records review, and FOI requests, uncertainty or absence of information is not expected to result in material data gaps at the Site.

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8.0 Conclusions

The Phase One ESA conclusions regarding the current environmental conditions at the Site are based solely on the results of the document review, regulatory records review, interviews, and site reconnaissance as described in this report.

8.1 Requirement for a Phase Two Environmental Site Assessment

Based on the observations and information obtained for the Site and phase one study area, a Phase Two ESA is required to support the SPA application.

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8.2 Signatures

This Phase One ESA was completed under the supervision of Ms. Sheila Barter, P.Geo., QP_{ESA}, as per O.Reg. 153/04. Information presented in this report is true and accurate to the best of the assessors' knowledge.

Respectfully submitted,

Cambium Inc.

DocuSigned by:
A5EE10141E91415...

Dave Labelle, B.A., EP
Coordinator

DS

Signed by:
2AB8F98A2B3941B...

Sheila Barter, P.Geo., QP_{ESA}
Senior Project Manager

2025-11-27

P:\23900 to 23999\23906-001 Queensway Carleton Hospital -MSP- 3045 Baseline Rd\09-Deliverables\Phase One ESA\Final\2025-11-26 RPT Phase One ESA 3045 Baseline Rd, Ottawa ON.docx

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10.0 Standard Limitations

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Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Cambium's work or report considers any locations or times other than those from which information, sample results and data was specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those extrapolations.

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Appended Figures

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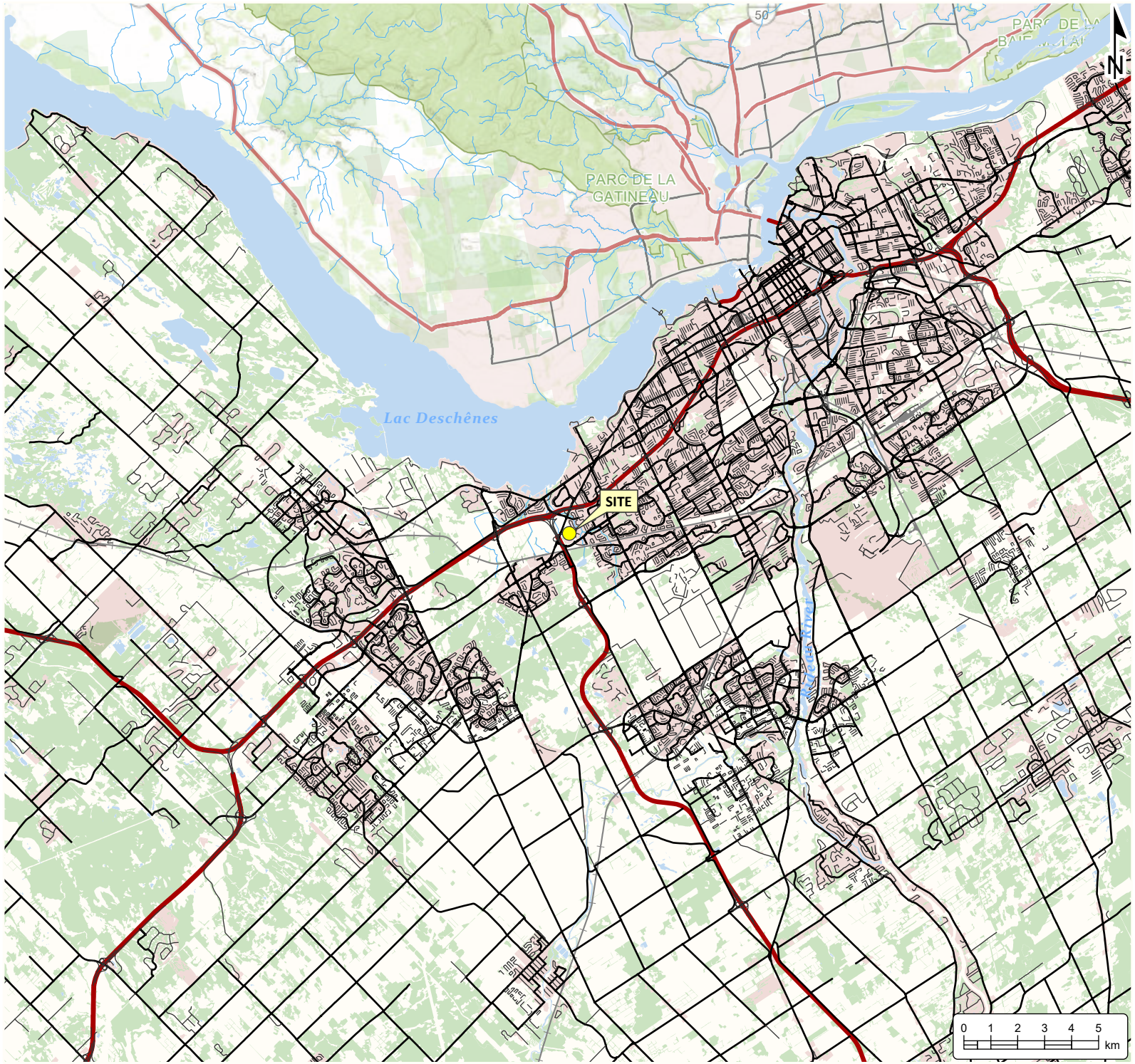

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Railway
- Watercourse
- Water Area
- Wooded Area
- Built Up Area

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SITE LOCATION PLAN

Project No.:	Date:
23906-001	November 2025
Scale: 1:200,000	Projection: NAD 1983 UTM Zone 17N
Created by: LD	Checked by: KF
Figure: 1	

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- AST (Aboveground Storage Tank)
- UST (Underground Storage Tank)
- Site (approximate)
- LAND USE

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SITE PLAN AND SURROUNDING LAND USE

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Figure: 2	

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Potentially Contaminating Activity (PCA)	
1	PCA #30: Importation of Fill Material of Unknown Quality
2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
7	PCA #48: Salt Manufacturing, Processing and Bulk Storage
8	Other – Hydrocarbon spill
9	Other - Historical record of contaminated area
10	PCA #46: Rail yards, Tracks and Spurs

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- 250m Study Area
- Site (approximate)

Potentially Contaminating Activity:

- Does Not Contribute to APEC
- Contributes to APEC
- Groundwater Flow Direction

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CONCEPTUAL SITE MODEL PHASE ONE STUDY AREA

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Figure: 3	

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APEC #	Potentially Contaminating Activity[2]
1	Item 30 -Importation of Fill Material of Unknown Quality
2	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
3	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
4	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
5	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
6	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
7	Item 48 - Salt Manufacturing, Processing and Bulk Storage

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Site (approximate)

Areas of Potential Environmental Concern:

- APEC 1
- APEC 2
- APEC 3
- APEC 4,5,6
- APEC 7

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CONCEPTUAL SITE MODEL PHASE ONE SITE PLAN

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
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LEGEND

Site (approximate)

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

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LEGEND

Site (approximate)

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1960 AERIAL IMAGERY

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
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LEGEND

Site (approximate)

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1987 AERIAL IMAGERY

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Figure: 8	

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
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Ottawa, Ontario

LEGEND

Site (approximate)

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1994 AERIAL IMAGERY

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Figure: 9	

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

Site (approximate)

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2007 AERIAL IMAGERY

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Figure: 10	

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

Site (approximate)

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2017 AERIAL IMAGERY

Project No.:	Date:
23906-001	November 2025
Scale: 1:6,500	Projection: NAD 1983 UTM Zone 17N
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Figure: 11	

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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
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Ottawa, Ontario

LEGEND

Site (approximate)

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2024 AERIAL IMAGERY

Project No.:	Date:
23906-001	November 2025
Scale: 1:6,500	Projection: NAD 1983 UTM Zone 17N
Created by: LD	Checked by: KF
Figure: 12	

O:\GIS\MXDs\23900-23999\23906-001 Queensway Carleton Hospital -MSP- 3045 Baseline Rd\2025-09-30 Phase One ESA 23906-001.aprx

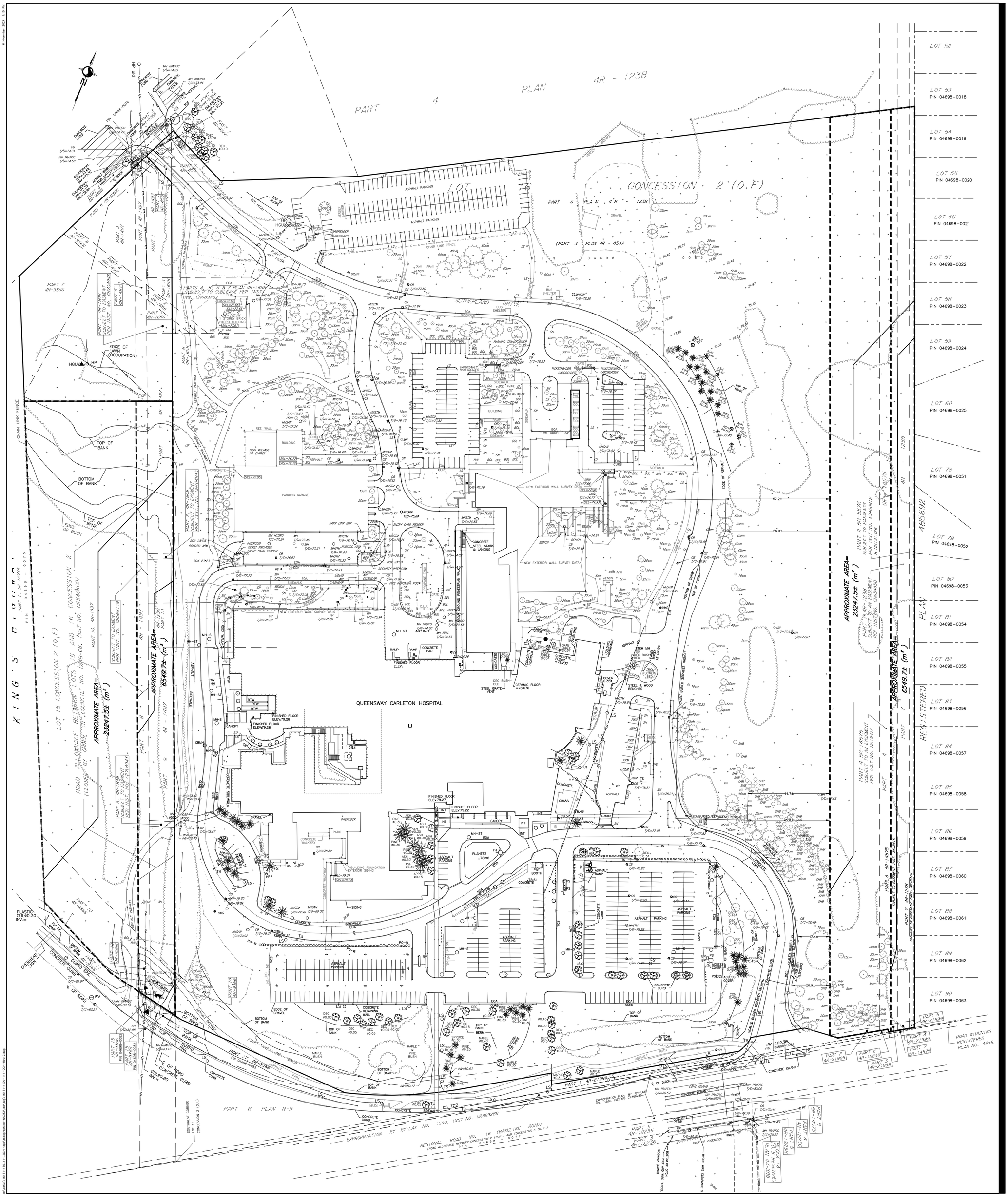
Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Appendix A

Plan of Survey

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

© November 2024 - 1:10 PM



Stantec

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www.stantec.com

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ASBUILT PLAN UPDATE OF

QUEENSWAY CARLETON HOSPITAL

BEING

PART OF LOT 16
CONCESSION 2 (O.F.)

(GEOGRAPHIC TOWNSHIP OF NEPEAN)

CITY OF OTTAWA

Stantec Geomatics Ltd.
ONTARIO LAND SURVEYORS

Scale 1:100

2 0 2 4 6 METRES

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

HORIZONTAL DATUM NOTE
PROJECTION: MODIFIED TRANSVERSE MERCATOR (MTM, ZONE 9, CM76°30'W)
DATUM: NAD 83 (ORIGINAL)

VERTICAL DATUM NOTE
ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1928:1978)

BOUNDARY NOTE
BOUNDARY LINEWORK AND INFORMATION IS COMPILED FROM VARIOUS SOURCES AND IS NOT BASED ON ACTUAL SURVEY.

LEGEND

		DENOTES	
■		-	FOUND MONUMENTS
□		-	SET MONUMENTS
IB		-	IRON BAR
IBø		-	ROUND IRON BAR
SIB		-	STANDARD IRON BAR
SSIB		-	SHORT STANDARD IRON BAR
CC		-	CUT CROSS
CP		-	CONCRETE PIN
WIT		-	WITNESS
PIN		-	PROPERTY IDENTIFICATION NUMBER
M/MEAS		-	MEASURED
PROP		-	PROPORTIONED
OU		-	ORIGIN UNKNOWN
SG		-	STANTEC GEOMATICS LTD.
P1		-	PLAN
□	ACU	-	AIR CONDITIONING UNIT
◄	AN	-	ANCHOR
⚠	ANT	-	ANTENNA
⊕	BH	-	BOREHOLE
●	BIB	-	HOSE BIB
▬	BKR	-	BIKE RACK
▬	BENCH	-	BENCH
•	BOL	-	BOLLARD
○	BOUL	-	BOULDER
□	CB	-	CATCH BASIN
□□	DICB	-	DOUBLE CB
⊕	CBMH	-	CB MANHOLE
⊕	DCBMH	-	DOUBLE CB MANHOLE
□	SICB	-	SIDE INLET CB
□	CHM	-	CHIMNEY
○	CO	-	CLEAN OUT
○	CSV	-	CURB STOP VALVE
⊕	DRN	-	DRAIN
○	FP	-	FLAG POLE
△	FL	-	FLOOD LIGHT
○	FTF	-	FUEL TANK FILLER CAP
⊙	GC	-	GARBAGE CAN
⊙	GP	-	POLE GUYWIRE
□	GSR	-	GAS SERVICE REGULATOR
⋈	GV	-	GAS VALVE
○	HLS	-	HYDRO LIGHT STANDARD
⊠	HM	-	HYDRO METER
□	HTN	-	HYDRO TRANSFORMER
○	HW	-	HAND WELL
◇	HYD	-	FIRE HYDRANT
□	JBX	-	JUNCTION BOX
○	LS	-	LIGHT STANDARD
▭	MB	-	MAILBOX
○	MP	-	MONITORING PIN
○	MH	-	MAINTENANCE HOLE UNIDENTIFIED
○	MHB	-	MAINTENANCE HOLE BELL
○	MHF	-	MAINTENANCE HOLE FIBRE OPTIC
○	MHH	-	MAINTENANCE HOLE HYDRO
○	MHSAN	-	MAINTENANCE HOLE SANITARY
○	MHSTM	-	MAINTENANCE HOLE STORM
○	MHT	-	MAINTENANCE HOLE TRAFFIC
◉	MW	-	MONITORING WELL
▭	NPB	-	NEWS PAPER BOX
⊙	OLS	-	LIGHT STANDARD ORNAMENTAL
○	OW	-	OBSERVATION WELL
▭	PKM	-	PARKING METER
□	PLBX	-	PULL BOX
□	PLR	-	PILLAR
⊗	PZ	-	PIEZIOMETER
□	RLC	-	RED LIGHT CAMERA
○	SCP	-	SUMP/CATCH PIT
⊗	SCV	-	SPRINKLER CONTROL VALVE
⊙	SH	-	SPRINKLER HEAD
⊂	SIA	-	SIAMESE CONNECTION
▭	SN	-	SIGN
▭	TBL	-	TABLE
□	TB BELL	-	TERMINAL BOX - BELL
□	TB CATV	-	TERMINAL BOX - CABLE
□	TCB	-	TRAFFIC CONTROL BOX
○	TPIT	-	TEST PIT
●	TSL	-	TRAFFIC SIGNAL LIGHT
●	UMB	-	MARKER BELL UNDERGROUND
●	UMC	-	MARKER CABLE UNDERGROUND
●	UMG	-	MARKER GAS UNDERGROUND
●	UMO	-	MARKER OIL UNDERGROUND
○	UP	-	UTILITY POLE
⊙	VB	-	VALVE BOX
⊙	VC	-	VALVE CHAMBER
⊙	WV	-	WATER VALVE
○		-	TREE STUMP
○		-	TREE CONIFEROUS (D.B.H. SHOWN)
○		-	TREE DECIDUOUS (D.B.H. SHOWN)

T	UNDERGROUND TELEPHONE	T
P	UNDERGROUND HYDRO	P
WTM	WATERMAIN	WTM
G	GASMAIN	G
STM	STORM SEWER	STM
FOTS	UNDERGROUND FIBRE OPTIC	FOTS

REVISION NOTE:
UPDATED JUNE 24/08 TO SHOW THE TOPOGRAPHICAL INFORMATION OF THE NORTH PART OF THE SITE.
REVISION NOTE:
UPDATED JUNE 12/17 TO SHOW THE TOPOGRAPHICAL INFORMATION ADJACENT TO THE CANCER CENTRE AND THE PROPOSED MENTAL HEALTH ADDITION.
REVISION NOTE:
UPDATED AUGUST 4/23 TO SHOW THE TOPOGRAPHICAL INFORMATION ADJACENT TO THE CANCER CENTRE AND THE PROPOSED MENTAL HEALTH ADDITION.
REVISION NOTE:
UPDATED AUGUST 4/23 TO SHOW THE TOPOGRAPHICAL INFORMATION IN THE NORTH PARKING LOT, INFORMATION ALONG THE WESTERLY BOUNDARY, INFORMATION BETWEEN THE PARKING GARAGE AND HOSPITAL BUILDING
REVISION NOTE:
UPDATED SEPT 20, 2024 ADDITIONAL TREES, SHRUBS AND VEGETATION AREAS ADDED TO TOPOGRAPHICAL SURVEY
REVISION NOTE:
UPDATED OCT 28, 2024 ADDITIONAL TREES, SHRUBS AND VEGETATION AREAS ADDED TO TOPOGRAPHICAL SURVEY, NORTH PARKING LOT, SNOW DUMP AREA NEW PARKING LOT ENTRANCE
REVISION NOTE:
UPDATED NOV 5, 2024 ADDITIONAL TREES, SHRUBS AND VEGETATION AREAS ADDED TO TOPOGRAPHICAL SURVEY, EDGES OF PAVEMENT, CURBS SIDEWALKS AND RETAINING WALLS UPDATED

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THE SURVEY WAS REVISED ON THE 5th DAY OF NOVEMBER , 2024.

DATE

BRIAN J. WEBSTER
ONTARIO LAND SURVEYOR

DRAWN: DM/CT CHECKED: BW PM: BW FIELD: AW/RJ PROJECT No.: 161614735-211

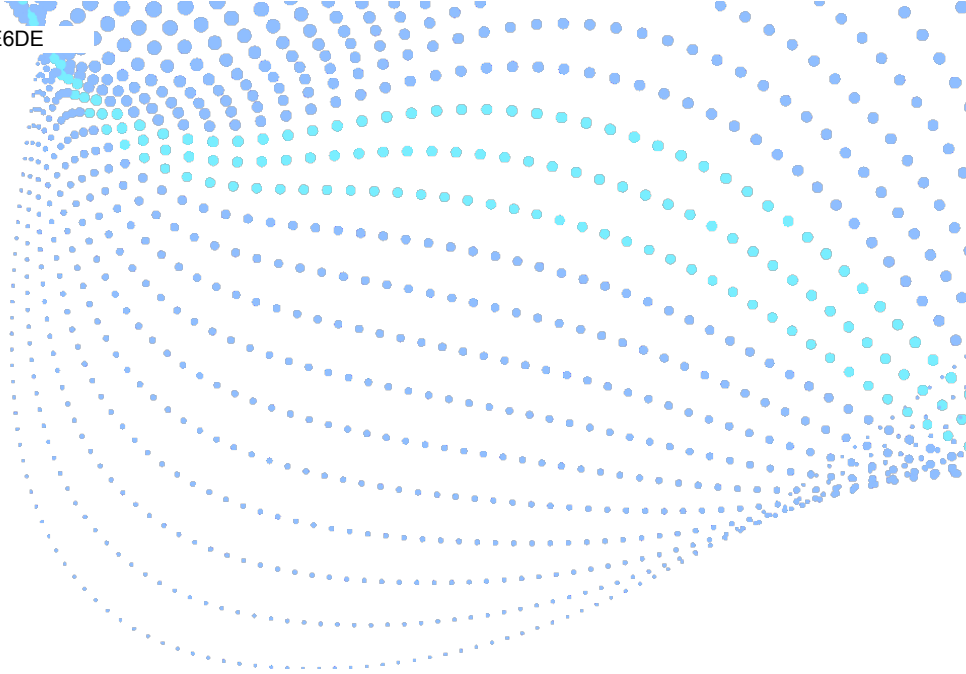
X:\active\161611800_111_001_tech\topographical-MODEL\161611800-111-001-Rev12.dwg

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Appendix B

Verisk

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE



Verisk™

Enviroscan Report

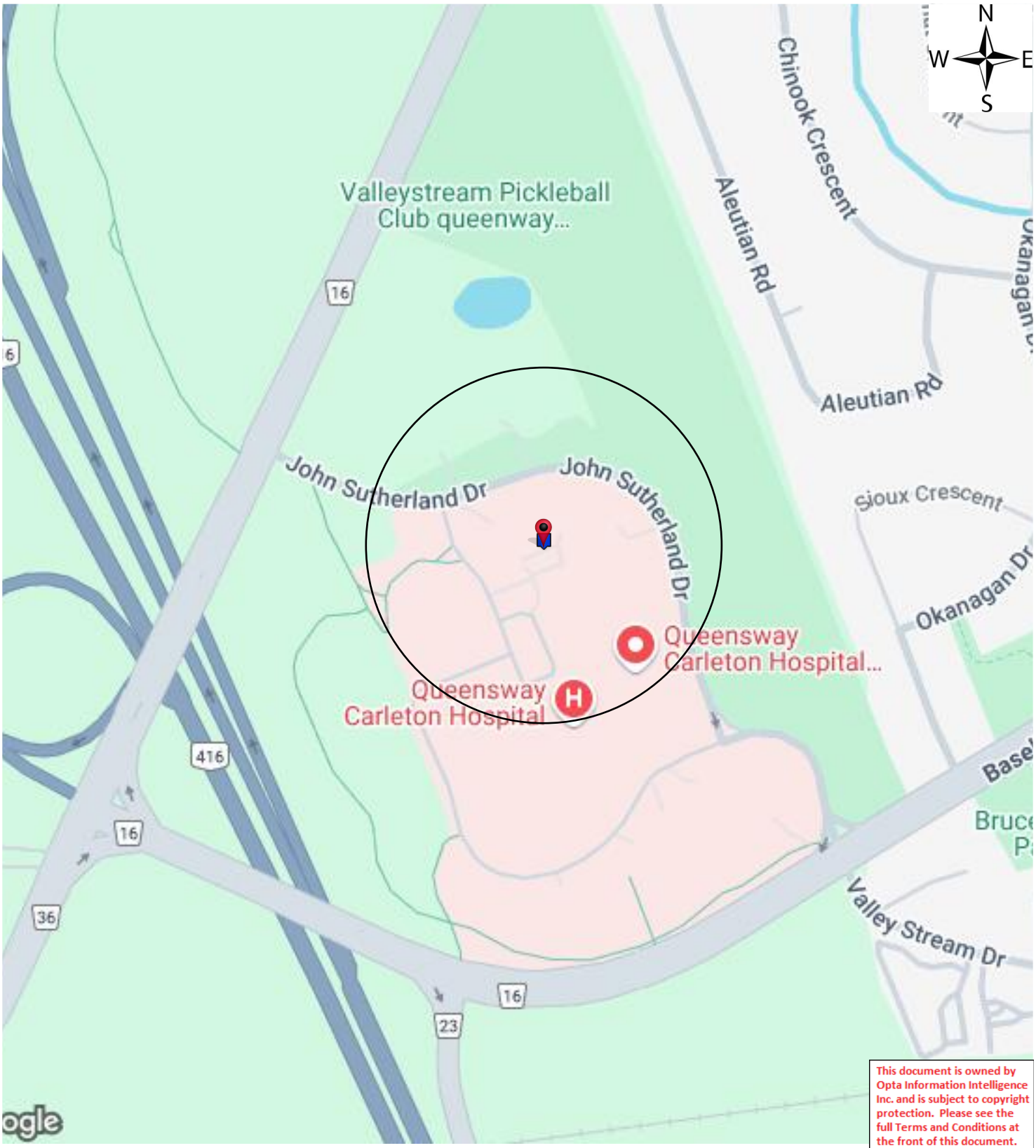
Site address:	3045 Baseline Road, Nepean, ON
Project #:	25070400156
P.O. #:	162111
Requested by:	Eleanor Goolab
Date Completed:	7/10/2025 1:27:50 PM

CONFIDENTIAL

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Project #: 25070400156 | P.O. #: 23906001
Requested by: Eleanor Goolab | Date Completed: 07/10/2025 13:27:50

Search Area: 3045 Baseline Road, Nepean, ON



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Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Project #: 25070400156 | P.O. #: 23906001
Requested by: Eleanor Goolab | Date Completed: 07/10/2025 13:27:50

Historical Environmental Services Enviroscan Terms and Conditions

Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Verisk's records relating to the described property (hereinafter referred to as the "Property"). Verisk makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Verisk's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Verisk does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

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Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Project #: 25070400156 | P.O. #: 23906001
Requested by: Eleanor Goolab | Date Completed: 07/10/2025 13:27:50

Report Index

Page	Report Title
5	(1976) Siteplan Report - 1976 QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Nepean Township ON K2H8P4 (distance = 0 metres*)
7	(1976) Survey for Rating Fire-Resistive Risks Report - 1976 QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Nepean Township ON K2H8P4 (distance = 0 metres*)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Project #: 25070400156 | P.O. #: 23906001
Requested by: Eleanor Goolab | Date Completed: 07/10/2025 13:27:50

Siteplan Report - 1976 QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Nepean Township ON K2H8P4

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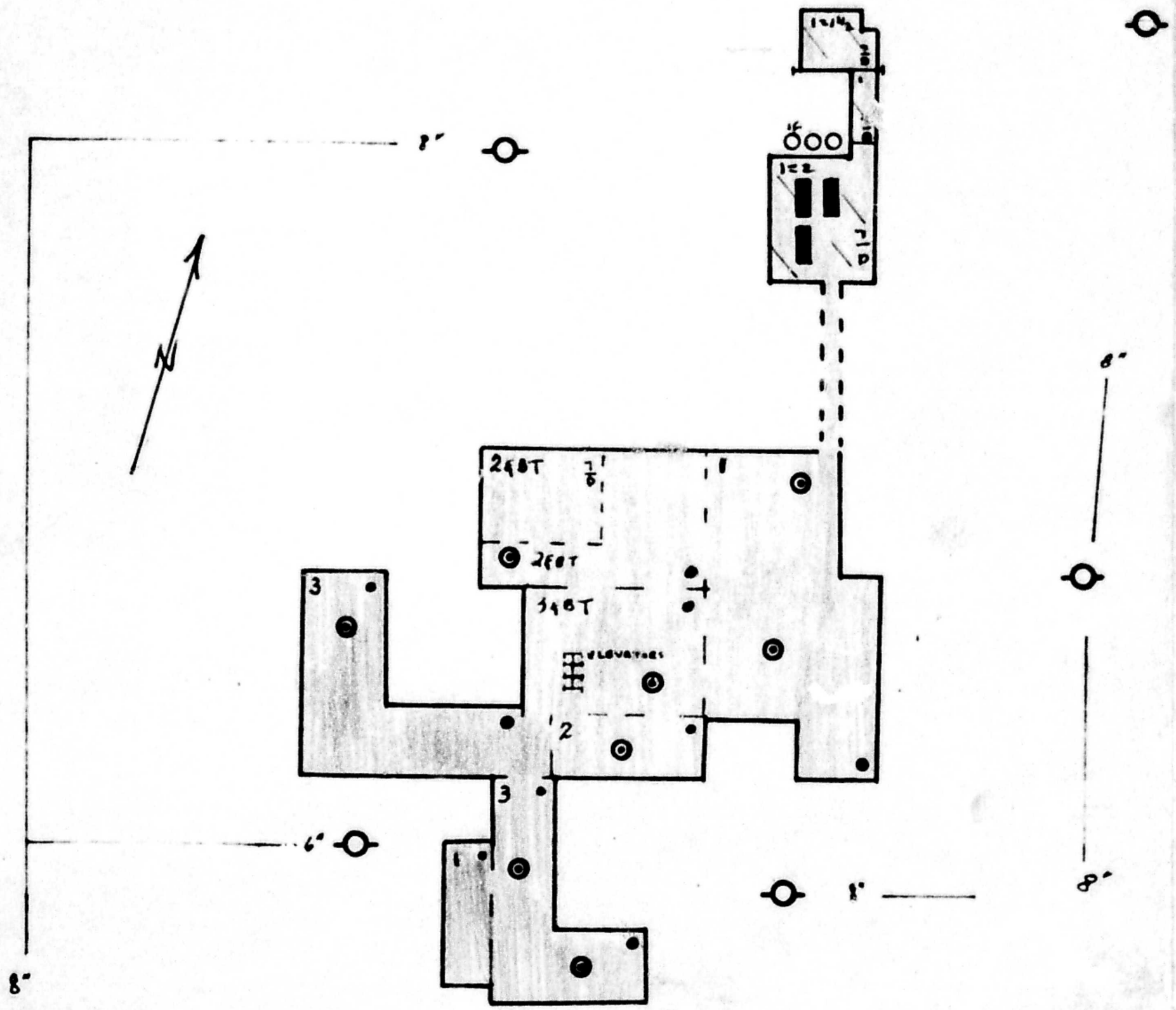

QUEENSWAY - CARLETON HOSPITAL
3045 BASELINE ROAD
NEPEAN TOWNSHIP ONTARIO
SCALE 1" = 100' 22 MARCH 76

F.K.H.

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Project #: 25070400156 | P.O. #: 23906001
Requested by: Eleanor Goolab | Date Completed: 07/10/2025 13:27:50

Survey for Rating Fire-Resistive Risks Report - 1976 QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Nepean Township ON K2H8P4

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INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION

SURVEY FOR RATING FIRE-RESISTIVE RISKS (excluding Sprinklered bldgs.) OF ALL CLASSES.

Location (Town and Street) NEPEAN TOWNSHIP. BASELINE Ins. Plan-S N.O.P B. N.O.P No. 3045

Owned by Queensway Carleton Hospital Occupied by same

For a Hospital No. of hands

Is building completely finished and out of workmen's hands? No

OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands on each floor

Basement (SPRINKLERED) Kitchen (2 gas fired systems) Morgue, autopsy, pharmacy. labs - flammable storage room

1st Offices - wards

2nd Physiotherapy - Physchiatry

3rd Pedatrics ward

4th Coronary wards.

5th

6th

CONSTRUCTION OF BUILDING

1. **TYPE OF CONSTRUCTION** – Floors & Roof Carried on:

(a) Skeleton Steel Framework	☐	(d) Bearing Walls & Steel Columns	☐
(b) Reinforced Concrete, Framework	☒	(e) Steel on Steel Walls & Roof	☐
(c) Bearing Walls & Partitions	☐	(f) Other Construction	☐

(Describe fully) Steel bar joists on steel beams

2. **WALLS** – State construction of external walls. Brick on HCB over operating room

If bearing walls give thickness of walls in inches at each floor

3. **ROOF AND FLOOR** – Materials

Roof ☒	Floors ☒	(c) Concrete, reinforced – Poured in place 8 inches thick
Roof ☐	Floors ☐	(b) Concrete, on metal pan – Poured in place ..... inches thick
Roof ☐	Floors ☐	(c) Concrete, Precast Units ..... inches thick ..... (Name of Manufacturer)
Roof ☒ C.P.	Floors ☐	(d) Steel Deck, Construction #1 ☒ Otherwise ☐

*If Construction #1 State method of attaching insulation to steel deck and type of insulation

Mechanical Fasteners ☐ * Adhesive ☐ Otherwise ☐

*If adhesive state trade name Lefsuco

Type of insulation on steel deck Fiberglass

Roof ☐	Floors ☐	(e) Other Materials – Describe and Show Thickness

2062/8-75

(over)

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ROOF AND FLOOR — Method of support

OR	Roof ☒	Floors ☐	(a) Unprotected Steel Beams.
	Roof ☐	Floors ☐	(b) Steel Beams Protected by ..... inches of .....
	Roof ☒	Floors ☒	(c) Reinforced Con.. Beams – Poured in place.
	Roof ☐	Floors ☐	(d) Precast Concrete Structural Units ..... inches thick ..... (Name of Manufacturer)
[redacted]	Roof ☐	Floors ☐	(e) Bearing Walls Only No Supporting Steel.

If building is composed of more than one type of construction, identify sections of floor involving each type and indicate on plan.

(a) Is there any roof space exceeding 3 feet in height? No If so, for what purpose is it used? .....

How is access obtained thereto? ..... If by trap or door, describe type .....

(b) Are all skylights of wired glass in metal frames? —

(c) Is there any wood in roof, louvres, ventilators or skylights; if so give details No

(d) Is there a wood roof laid over an incombustible one? No If so, how is it supported? .....

(e) If so, what is the maximum and minimum height of this above the incombustible roof? —

(f) Is the incombustible roof broken by texas, louvres, ventilator, trapdoor, skylight, stair, elevator, other shafts? —

Is so, what is the construction of the sides through roof space? .....

Is there any access or opening from these sh[illegible]s to the roof space? Describe each separately .....

(g) Is there a superstructure, water cooling tower, or Penthouse of any kind on the roof? Yes If so, given dimensions, construction and occupancy 8'0" x 30'0" H.C.B. walls #17 roof A/C typical [illegible] access obtained? stairway from 3rd.

(h) Is there a wood wearing floor? ..... If so, on which storeys? .....

(i) Is it laid directly on incombustible floor or [illegible]ith an airspace? Describe .....

4 **STEEL COLUMNS AND BEAMS** – Are they fireproofed? No If "Yes" state nature and thickness of such protection.

(a) Columns .....

(b) Beams open in the operating room only.

FLOOR OPENINGS

5. **STAIRWAYS** – How many, and state from which floor to which? 8

Is there an enclosure around them? yes If so, describe construction of enclosure, and the doors, and whether doors are self-closing H.C.B. shafts with self closing metal and wired glass doors

6. **ELEVATORS** – How many, and state from which floor to which? .....

Is there an enclosure around them? ..... If so, describe construction of of enclosure, and the doors, and whether doors are self-closing .....

7. **CHUTES, VENTS, DUMB WAITERS & BELT HOLES & OTHER FLOOR OPENINGS** – Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each sample transfer chute - about 4" diameter steel tubing through building.

8. **HEATING AND VENTILATING DUCTS** – Are there any? yes (a) Are ducts, which cut through floor, in masonry shafts yes

(b) Give construction of shaft H.C.B. fire dampers each floor (c) State whether separate duct to each floor without communication to other floors .....

(d) Do ducts open into roof space? —

9. **HEIGHT** – State number of floors and whether there is a basement 3, 2E/I & partial basement

10. **AREA** – Give ground floor dimensions see plan - about 78,000 sq ft.

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...sM –

...ate separately for each floor, finish and method of attachment to walls and ceiling (If more than one type of finish is present on any one floor, state percentage of each type)

	Bast.	1st	2nd	3rd	4th	5th	6th	
(a) Walls	P/HCB	P/HCB	P/HCB	P/HCB				
(b) Ceilings	Metal & Mineral Tile	Mineral tile						
(c) Partitions	Gypsum metal studs							

State extent of any wood partitions, or partitions having wood supports in square feet separately for each floor:– –

(d) Is there any other inside or outside combustible finish or trim other than above? Describe fully –

12. **HEATING** – What is the system of heating the building? Hot water Where is heating plant located?

Is it in fire-resistive room with standard fire door? Are there any stoves; if so, how many and where located

Do any heating devices vent otherwise than to brick or concrete chimney; if so, give details

What fuel is used?

13. **ELECTRIC WIRING** – All wiring is in Rigid Conduit ☑ Otherwise ☐

Are all circuits protected by type "S" tamper resisting fuses or non-interchangeable circuit breakers? yes

14. **POWER** – Is any used? Yes If so, what kind? electric Total Horse Power? over 5hp

What used for? Building services

If gasoline engine, state method of ignition, location and capacity of supply, tank, whether feed is pressure or gravity, quantity of gasoline in engine

15. **GASOLINE OR BENZINE, OR OTHER OILS** – Are any kept? to be If so, what quanity of each? ?. to be a small

What used for? flammable storage room

16. **COMMUNICATIONS** – Does the building communicate with any other building yes (a) If so, give dimensions, height, construction and occupancy and indicate clearly on diagram boiler room

(b) If so, are buildings separated by solid wall? yes (c) If so, are all openings in this wall protected by self-closing U.L. labelled Class A fire doors? No

(d) If not, describe type of doors on each opening Class "B" doors on 120' long concrete tunnel.

PUBLIC PROTECTION

17. **FIRE DEPARTMENT** – State distance to the nearest fire station 2 miles

18. **HYDRANTS** – What is the distance to the nearest two hydrants? 5 within 500' Give size of main 8"

INTERNAL PROTECTION

19. Show number units for each floor:

	Basement	1st	2nd	3rd	4th	5th	6th	7th	8th	
Extgrs. 2½ Gal. Class A	3	8	6	4						
Extgrs Class B & C										
Stand Pipe & Hose	3	8	6	4						

20. **WATCHMAN** – Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e. from 6 p.m. to 6 a.m., and every two hours during the day? –

(a) Does he use a portable clock, electric detector, or report to central station?

(b) Give name of manufacturer of clock (c) Does it bear approval label of Underwriters' Laboratories

(d) Are the stations sufficient and so located that the Watchman must traverse each flat and every portion be visible to him?

21. **AUTOMATIC FIRE DETECTION SYSTEM** – If such system is present provide details on questionnaire obtainable from IAO to be partial System all work and storage rooms.

(over)

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DIAGRAM

Note: (i) A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.
(ii) Show all Buildings within 50 feet of the Risk and indicate their occupancy, show also any openings between adjoining Buildings and all exposed Windows.
(iii) Show location of Hydrants.
(iv) Show Frame Buildings with **BLACK**, Brick Building with **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Nogged or Metal Clad. Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.
(v) Please Draw Diagram at a scale of 50 feet = 1 inch (same as the Insurance Plans).

NORTH

WEST

See plan in survey.

EAST

SOUTH

EXPOSURE: Note — These questions must be answered fully.

North 100 to road ft. to building built of F R stories high, occupied as Boiler room

South " None " " "

East " " " " "

West " " " " "

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the IAO

DATE March 22 19 16 SIGNATURE G. L. Hunt

(If submitted by Member Company, state name)

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INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION

SURVEY FOR RATING FIRE-RESISTIVE RISKS (excluding Sprinklered bldgs.) OF ALL CLASSES.

Location (Town and Street) Nepean Township (OTTAWA) Ins. Plan-S N-O-P B. N-O-P No. DaN 3045

Owned by Queensway - Carleton Hospital Occupied by same

For a Boiler House & maintenance shop No. of hands

Is building completely finished and out of workmen's hands? No

OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands on each floor

Basement —

1st Boiler rooms, electrical shop, carpenter shop, paint room (tube)

2nd

3rd

4th

5th

6th

CONSTRUCTION OF BUILDING

1. **TYPE OF CONSTRUCTION – Floors & Roof Carried on:**

(a) Skeleton Steel Framework ☐ (d) Bearing Walls & Steel Columns ☐

(b) Reinforced Concrete, Framework ☐ (e) Steel on Steel Walls & Roof ☐

(c) Bearing Walls & Partitions ☐ (f) Other Construction ☐

(Describe fully)

2. **WALLS** – State construction of external walls. Br. CC on HCB.

If bearing walls give thickness of walls in inches at each floor 8"

3. **ROOF AND FLOOR** – Materials

Roof ☐ Floors ☒ (a) Concrete, reinforced – Poured in place 5-6 inches thick

Roof ☐ Floors ☐ (b) Concrete, on metal pan – Poured in place inches thick

Roof ☐ Floors ☐ (c) Concrete, Precast Units inches thick (Name of Manufacturer)

Roof ☐ Floors ☐ (d) Steel Deck, Construction #1 ☒ Otherwise ☐

*If Construction #1 State method of attaching insulation to steel deck and type of insulation

Mechanical Fasteners ☐ * Adhesive ☐ Otherwise ☐

*If adhesive state trade name Tefsuco

Type of insulation on steel deck Fiberglass

Roof ☐ Floors ☐ (e) Other Materials – Describe and Show Thickness

2062/8-75

MAR 29 1976

(over)

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ROOF AND FLOOR — Method of support

Roof ☑ Floors ☐ (a) Unprotected Steel Beams.

Roof ☐ Floors ☐ (b) Steel Beams Protected by ..... inches of .....

Roof ☐ Floors ☐ (c) Reinforced Conc. Beams – Poured in place.

Roof ☐ Floors ☐ (d) Precast Concrete Structural Units ..... inches thick ..... (Name of Manufacturer)

Roof ☐ Floors ☐ (e) Bearing Walls Only. No Supporting Steel.

If building is composed of more than one type of construction, identify sections of floor involving each type and indicate on plan.

(a) Is there any roof space exceeding 3 feet in height? — If so, for what purpose is it used? .....

How is access obtained thereto? ..... If by trap or door, describe type .....

(b) Are all skylights of wired glass in metal frames? — .....

(c) Is there any wood in roof, louvres, ventilators or skylights; if so give details .....

(d) Is there a wood roof laid over an incombustible one? — If so, how is it supported? .....

(e) If so, what is the maximum and minimum height of this above the incombustible roof? .....

(f) Is the incombustible roof broken by texas, louvres, ventilator, trapdoor, skylight, stair, elevator, other shafts? .....

Is so, what is the construction of the sides through roof space? .....

Is there any access or opening from these shafts to the roof space? Describe each separately .....

.....

(g) Is there a superstructure, water cooling tower, or Penthouse of any kind on the roof? ..... If so, given dimensions, construction and occupancy .....

..... How is access obtained? .....

(h) Is there a wood wearing floor? ..... If so, on which storeys? .....

(i) Is it laid directly on incombustible floor or with an air space? Describe .....

4. **STEEL COLUMNS AND BEAMS** – Are they fireproofed? ..... No ..... If "Yes" state nature and thickness of such protection.

(a) Columns .....

(b) Beams .....

FLOOR OPENINGS

5. **STAIRWAYS** – How many, and state from which floor to which? — .....

Is there an enclosure around them? ..... If so, describe construction of enclosure, and the doors, and whether doors are self-closing .....

.....

6. **ELEVATORS** – How many, and state from which floor to which? — .....

Is there an enclosure around them? ..... If so, describe construction of of enclosure, and the doors, and whether doors are self-closing .....

.....

.....

7. **CHUTES, VENTS, DUMB WAITERS & BELT HOLES & OTHER FLOOR OPENINGS** – Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each — .....

.....

.....

8. **HEATING AND VENTILATING DUCTS** – Are there any? — (a) Are ducts, which cut through floor, in masonry shafts .....

(b) Give construction of shaft ..... (c) State whether separate duct to each floor without communication to other floors .....

..... (d) Do ducts open into roof space? .....

9. **HEIGHT** – State number of floors and whether there is a basement 1 ft 1 = 2.

10. **AREA** – Give ground floor dimensions 90' ft 70 = 6300

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11. **INTERIOR FINISH** –

State separately for each floor, finish and method of attachment to walls and ceiling (If more than one type of finish is present on any one floor, state percentage of each type).

	Bast.	1st	2nd	3rd	4th	5th	6th	
(a) Walls	/	plaster						
(b) Ceilings	/	open						
(c) Partitions		plaster						

State extent of any wood partitions, or partitions having wood supports in square feet separately for each floor:– —

(d) Is there any other inside or outside combustible finish or trim other than above? Describe fully —

12. **HEATING** – What is the system of heating the building? HW. Where is heating plant located?

Is it in fire-resistive room with standard fire door? Are there any stoves; if so, how many and where located

Do any heating devices vent otherwise than to brick or concrete chimney; if so, give details

What fuel is used? gas & oil.

13. **ELECTRIC WIRING** – All wiring is in Rigid Conduit ☒ Otherwise ☐

Are all circuits protected by type "S" tamper resisting fuses or non-interchangeable circuit breakers? yes

14. **POWER** – Is any used? yes If so, what kind? electric Total Horse Power?

What used for? pumps and machinery.

If gasoline engine, state method of ignition, location and capacity of supply, tank, whether feed is pressure or gravity, quantity of gasoline in engine

15. **GASOLINE OR BENZINE, OR OTHER OILS** – Are any kept? 2. If so, what quanity of each? paint solvents?

What used for?

16. **COMMUNICATIONS** – Does the building communicate with any other building yes (a) If so, give dimensions, height, construction and occupancy and indicate clearly on diagram 100' tunnel to hospital

(b) If so, are buildings separated by solid wall? yes (c) If so, are all openings in this wall protected by self-closing U.L. labelled Class A fire doors? no

(d) If not, describe type of doors on each opening class B doors.

PUBLIC PROTECTION

17. **FIRE DEPARTMENT** – State distance to the nearest fire station 2 miles

18. **HYDRANTS** – What is the distance to the nearest two hydrants? 200 & 220' Give size of main 8"

INTERNAL PROTECTION

19. Show number units for each floor:

	Basement	1st	2nd	3rd	4th	5th	6th	7th	8th	
Extgrs. 2½ Gal. Class A	/	1	-							
Extgrs Class B & C	/	1								
Stand Pipe & Hose		1								

20. **WATCHMAN** – Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e. from 6 p.m. to 6 a.m., and every two hours during the day? No -

(a) Does he use a portable clock, electric detector, or report to central station?

(b) Give name of manufacturer of clock (c) Does it bear approval label of Underwriters' Laboratories

(d) Are the stations sufficient and so located that the Watchman must traverse each flat and every portion be visible to him?

21. **AUTOMATIC FIRE DETECTION SYSTEM** – If such system is present provide details on questionnaire obtainable from IAO -

(over)

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DIAGRAM

Note: (i) A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.

(ii) Show all Buildings within 50 feet of the Risk and indicate their occupancy, show also any openings between adjoining Buildings and all exposed Windows.

(iii) Show location of Hydrants.

(iv) Show Frame Buildings with **BLACK**, Brick Building with **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Nogged or Metal Clad Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.

(v) Please Draw Diagram at a scale of 50 feet = 1 inch (same as the Insurance Plans).

NORTH

WEST

See plan in survey.

EAST

SOUTH

EXPOSURE: Note – These questions must be answered fully.

North 0 ft. to building built of FR 1 stories high, occupied as Transformer vault

South 100 " " FR 3 " "

East ..... " " ..... " "

West ..... " " ..... " "

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the IAO

DATE March 22, 19 76 SIGNATURE B. L. Hunt

.....

(If submitted by Member Company, state name)

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INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION

SURVEY FOR RATING FIRE-RESISTIVE RISKS (excluding Sprinklered bldgs.) OF ALL CLASSES.

Location (Town and Street) NEPEAN TWP (OTTAWA) BASELINE ROAD Ins. Plan-S N.O.P. & N.U.P. No. [illegible]

Owned by Queensway Carleton Hospital Occupied by

For a Garage. No. of hands

Is building completely finished and out of workmen's hands? NO

OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands on each floor

Basement —

1st Garage. 3 ambulances no repairs.

2nd

3rd

4th

5th

6th

CONSTRUCTION OF BUILDING

1. **TYPE OF CONSTRUCTION – Floors & Roof Carried on:**

(a) Skeleton Steel Framework	☐	(d) Bearing Walls & Steel Columns	☐
(b) Reinforced Concrete, Framework	☐	(e) Steel on Steel Walls & Roof	☐
(c) Bearing Walls & Partitions	☐	(f) Other Construction	☐

(Describe fully)

2. **WALLS** – State construction of external walls. Brick on HeB

If bearing walls give thickness of walls in inches at each floor 8"

3. **ROOF AND FLOOR** — Materials

Roof ☐	Floors ☒	(a) Concrete, reinforced – Poured in place 5-6 inches thick
Roof ☐	Floors ☐	(b) Concrete, on metal pan – Poured in place ..... inches thick
Roof ☐	Floors ☐	(c) Concrete, Precast Units ..... inches thick ..... (Name of Manufacturer)
Roof ☒	Floors ☐	(d) Steel Deck, Construction #1 ☒ Otherwise ☐

*If Construction #1 State method of attaching insulation to steel deck and type of insulation

Mechanical Fasteners ☐ * Adhesive ☐ Otherwise ☐

*If adhesive state trade name Lubrico

Type of insulation on steel deck fiberglass

Roof ☐	Floors ☐	(e) Other Materials – Describe and Show Thickness

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ROOF AND FLOOR — Method of support

Roof [X]	Floors [ ]	(a) Unprotected Steel Beams.
Roof [ ]	Floors [ ]	(b) Steel Beams Protected by ..... inches of .....
Roof [ ]	Floors [ ]	(c) Reinforced Conc. Beams – Poured in place.
Roof [ ]	Floors [ ]	(d) Precast Concrete Structural Units ..... inches thick ..... (Name of Manufacturer) .....
Roof [ ]	Floors [ ]	(e) Bearing Walls Only. No Supporting Steel.

If building is composed of more than one type of construction, identify sections of floor involving each type and indicate on plan.

(a) Is there any roof space exceeding 3 feet in height? N/D ..... If so, for what purpose is it used? .....

How is access obtained thereto? ..... If by trap or door, describe type .....

(b) Are all skylights of wired glass in metal frames? .....

(c) Is there any wood in roof, louvres, ventilators or skylights; if so give details .....

(d) Is there a wood roof laid over an incombustible one? ..... If so, how is it supported? .....

(e) If so, what is the maximum and minimum height of this above the incombustible roof? .....

(f) Is the incombustible roof broken by texas, louvres, ventilator, trapdoor, skylight, stair, elevator, other shafts? .....

Is so, what is the construction of the sides through roof space? .....

Is there any access or opening from these shafts to the roof space? Describe each separately .....

.....

(g) Is there a superstructure, water cooling tower, or Penthouse of any kind on the roof? — If so, given dimensions, construction and occupancy .....

..... How is access obtained? .....

(h) Is there a wood wearing floor? N/D ..... If so, on which storeys? .....

(i) Is it laid directly on incombustible floor or with an airspace? Describe .....

4. **STEEL COLUMNS AND BEAMS** – Are they fireproofed? NO ..... If "Yes" state nature and thickness of such protection.

(a) Columns .....

(b) Beams .....

FLOOR OPENINGS

5. **STAIRWAYS** – How many, and state from which floor to which? — .....

Is there an enclosure around them? ..... If so, describe construction of enclosure, and the doors, and whether doors are self-closing .....

.....

6. **ELEVATORS** – How many, and state from which floor to which? — .....

Is there an enclosure around them? ..... If so, describe construction of of enclosure, and the doors, and whether doors are self-closing .....

.....

.....

7. **CHUTES, VENTS, DUMB WAITERS & BELT HOLES & OTHER FLOOR OPENINGS** – Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each — .....

.....

.....

8. **HEATING AND VENTILATING DUCTS** – Are there any? — (a) Are ducts, which cut through floor, in masonry shafts .....

(b) Give construction of shaft ..... (c) State whether separate duct to each floor without communication to other floors .....

..... (d) Do ducts open into roof space? .....

9. **HEIGHT** – State number of floors and whether there is a basement 1 + B

10. **AREA** – Give ground floor dimensions 40 x 55 = 2,200

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11 **INTERIOR FINISH** –

State separately for each floor, finish and method of attachment to walls and ceiling (If more than one type of finish is present on any one floor, state percentage of each type).

	Bast.	1st	2nd	3rd	4th	5th	6th	
(a) Walls	/	Hdbd						
(b) Ceilings		open						
(c) Partitions								

State extent of any wood partitions, or partitions having wood supports in square feet separately for each floor: –

—

(d) Is there any other inside or outside combustible finish or trim other than above? Describe fully

12. **HEATING** – What is the system of heating the building? Hw Where is heating plant located? adj boiler room

Is it in fire-resistive room with standard fire door? borrowed Are there any stoves; if so, how many and where located

Do any heating devices vent otherwise than to brick or concrete chimney, if so, give details

What fuel is used?

13. **ELECTRIC WIRING** – All wiring is in Rigid Conduit ☑ Otherwise ☐

Are all circuits protected by type "S" tamper resisting fuses or non-interchangeable circuit breakers? yes

14. **POWER** – Is any used? No If so, what kind? Total Horse Power?

What used for?

If gasoline engine, state method of ignition, location and capacity of supply tank, whether feed is pressure or gravity, quantity of gasoline in engine

15. **GASOLINE OR BENZINE, OR OTHER OILS** – Are any kept? — If so, what quanity of each?

What used for?

16. **COMMUNICATIONS** – Does the building communicate with any other building No (a) If so, give dimensions, height, construction and occupancy and indicate clearly on diagram

(b) If so, are buildings separated by solid wall? (c) If so, are all openings in this wall protected by self-closing U.L. labelled Class A fire doors?

(d) If not, describe type of doors on each opening

PUBLIC PROTECTION

17. **FIRE DEPARTMENT** – State distance to the nearest fire station 2 miles

18. **HYDRANTS** – What is the distance to the nearest two hydrants? 200 & 250 Give size of main 8'

INTERNAL PROTECTION

19. Show number units for each floor:

	Basement	1st	2nd	3rd	4th	5th	6th	7th	8th	
Extgrs. 2½ Gal. Class A	/	–								
Extgrs Class B & C		1								
Stand Pipe & Hose		–								

20. **WATCHMAN** – Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e. from 6 p.m. to 6 a.m., and every two hours during the day? Staff on duty 24hours per day

(a) Does he use a portable clock, electric detector, or report to central station?

(b) Give name of manufacturer of clock (c) Does it bear approval label of Underwriters' Laboratories

(d) Are the stations sufficient and so located that the Watchman must traverse each flat and every portion be visible to him?

21. **AUTOMATIC FIRE DETECTION SYSTEM** – If such system is present provide details on questionnaire obtainable from IAO

(over)

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DIAGRAM

Note: (i) A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.
(ii) Show all Buildings within 50 feet of the Risk and indicate their occupancy, show also any openings between adjoining Buildings and all exposed Windows.
(iii) Show location of Hydrants.
(iv) Show Frame Buildings with **BLACK**, Brick Building with **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Nogged or Metal Clad Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.
(v) Please Draw Diagram at a scale of 50 feet = 1 inch (same as the Insurance Plans).

NORTH

WEST

See plan in survey.

EAST

SOUTH

EXPOSURE: Note – These questions must be answered fully.

North ..... open ..... ft. to building built of ..... stories high, occupied as .....
South ..... 0 ..... " " ..... FR ..... 1 ..... " " ..... transformer vault .....
East ..... open ..... " " ..... " " " .....
West ..... open ..... " " ..... " " " .....

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the IAO

DATE ..... March 22 ..... 19 76 ..... SIGNATURE ..... J. X. Hunt. .....

.....
(If submitted by Member Company, state name)

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Appendix C
Chain of Title

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

CAMBIUM PROJECT # 23906-001

#3045 BASELINE ROAD

PIN 04698-0083

PARTS 4, 5, 6, 7, 8, 9 and 10 on 4R-1238
PARTS 1, 2, 5, 6, 7, 8 and 9 on 4R-1497
(save and except numerous parcels)

PART OF LOTS 15 and 16
CONCESSION 2 (OTTAWA FRONT)
(TOWNSHIP OF NEPEAN)

PART OF THE ORIGINAL ROAD
ALLOWANCE BETWEEN LOTS 15 and 16

formerly TOWNSHIP OF NEPEAN
now CITY OF OTTAWA
REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

PIN	**OWNERSHIP**	**DATES**
04698-0083 04698-0074	**NATIONAL CAPITAL COMMISSION**	**JULY 10 1963** **JANUARY 22 1964** **NOVEMBER 2 1967** **JANUARY 5 1971** **MAY 23 1971** **TO PRESENT** **AS OF** **JULY 8 2025**
EASEMENT	HYDRO OTTAWA LIMITED	MARCH 30 2020
SUB-LEASE EASEMENT	TM MOBILE INC.	JULY 24 2012
EASEMENT	THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	MAY 20 1992
EASEMENT	BELL CANADA	JUNE 19 1986
LEASE	HER MAJESTY THE QUEEN	APRIL 5 1984
EASEMENT	THE HYDRO-ELECTRIC COMMISSION OF THE TOWNSHIP OF NEPEAN	SEPTEMBER 21 1981
EASEMENT	THE HYDRO-ELECTRIC COMMISSION OF THE TOWNSHIP OF NEPEAN	MARCH 2 1977
LEASE	THE CROWN REPRESENTED BY THE MINISTER OF GOVERNMENT SERVICES	FEBRUARY 18 1977
SUB-LEASE	THE HYDRO-ELECTRIC COMMISSION OF THE TOWNSHIP OF NEPEAN	MAY 13 1976

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EASEMENT	THE CORPORATION OF THE TOWNSHIP OF NEPEAN	JUNE 6 1974
EASEMENT	QUEENSWAY-CARLETON HOSPITAL	MAY 30 1974
LEASE	QUEENSWAY-CARLETON HOSPITAL	JULY 12 1973
EASEMENT	THE HYDRO-ELECTRIC COMMISSION OF THE TOWNSHIP OF NEPEAN	DECEMBER 12 1969
	CHAIN #1 **(PART OF LOT 16)**	
	NATIONAL CAPITAL COMMISSION	NOVEMBER 2 1967 TO **PRESENT**
	REGINALD A.S. BRUCE	FEBRUARY 1 1952 TO NOVEMBER 2 1967
	ADAM N. ACRES GEORGE B. ACRES	MARCH 4 1961 TO FEBRUARY 1 1952
	ARTHUR N.L. BUTLER	SEPTEMBER 27 1939 TO MARCH 4 1961
	JOHN A. GRAHAM **ESTATE OF** JOHN A. GRAHAM	FEBRUARY 23 1911 TO SEPTEMBER 27 1939
	WELDON GRAHAM **ESTATE OF** THOMAS GRAHAM	NOVEMBER 28 1855 TO FEBRUARY 23 1911
	JOHN EGAN	FEBRUARY 12 1852 TO NOVEMBER 28 1855
	BANK OF MONTREAL **as mortgagee**	FEBRUARY 26 1847 TO FEBRUARY 12 1852
	JAMES BROWN	SEPTEMBER 13 1845

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		TO FEBRUARY 26 1847
	ROD MATHESON	MAY 6 1840 TO SEPTEMBER 13 1845
	SHERIFF, TOWNSHIP OF NEPEAN	JANUARY 8 1839 TO MAY 6 1840
	THOMAS MEARS D. PATEE	NOVEMBER 8 1830 TO JANUARY 8 1839
	RICHARD MEARS	OCTOBER 20 1830 TO
CROWN PATENT	AIRD ROSE	MARCH 25 1808 TO OCTOBER 20 1830
	CHAIN #2 **(PART OF LOT 16)**	
	NATIONAL CAPITAL COMMISSION	JULY 10 1963 TO **PRESENT**
	MARY ROSE WHITING	JUNE 7 1956 TO JULY 10 1963
	JACK H.W. TRETMAN PALMA N.S.TRETMAN	SEPTEMBER 23 1954 TO JUNE 7 1956
	REGINALD A.S. BRUCE	FEBRUARY 1 1952 TO SEPTEMBER 23 1954
	ADAM N. ACRES GEORGE B. ACRES	MARCH 4 1961 TO FEBRUARY 1 1952
	ARTHUR N.L. BUTLER	SEPTEMBER 27 1939 TO MARCH 4 1961
	JOHN A. GRAHAM **ESTATE OF** JOHN A. GRAHAM	FEBRUARY 23 1911 TO SEPTEMBER 27 1939

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

	WELDON GRAHAM **ESTATE OF** THOMAS GRAHAM	NOVEMBER 28 1855 TO FEBRUARY 23 1911
	JOHN EGAN	FEBRUARY 12 1852 TO NOVEMBER 28 1855
	BANK OF MONTREAL **as mortgagee**	FEBRUARY 26 1847 TO FEBRUARY 12 1852
	JAMES BROWN	SEPTEMBER 13 1845 TO FEBRUARY 26 1847
	ROD MATHESON	MAY 6 1840 TO SEPTEMBER 13 1845
	SHERIFF, COUNTY	JANUARY 8 1839 TO MAY 6 1840
	THOMAS MEARS D. PATEE	NOVEMBER 8 1830 TO JANUARY 8 1839
	RICHARD MEARS	OCTOBER 20 1830 TO
CROWN PATENT	AIRD ROSE	MARCH 25 1808 TO OCTOBER 20 1830
	CHAIN #3 **(PART OF LOT 15)**	
	NATIONAL CAPITAL COMMISSION	JANUARY 22 1964 **&** JANUARY 5 1971 TO **PRESENT**
	JOHN MOFFAT **ESTATE OF** HERBERT B. MOFFAT	JUNE 10 1944 TO JANUARY 5 1971 **&** JANUARY 22 1964

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	MARY H. HENRY BOWER HENRY	DECEMBER 16 1905 TO JUNE 10 1944
	JAMES MaGEE	NOVEMBER 25 1901 TO DECEMBER 16 1905
	JAMES BEARMAN	MARCH 14 1870 TO NOVEMBER 25 1901
	WILLIAM FENTON	MARCH 14 1870 TO MARCH 14 1870
	JAMES LeBERTON	AUGUST 1 1831 TO MARCH 14 1870
	JOHN LeBERTON	MARCH 9 1819 TO AUGUST 1 1831
	DAVID WRIGHT	MARCH 5 1817 TO MARCH 9 1819
CROWN PATENT	MARY McDONELL	MAY 26 1808 TO MARCH 5 1817
	CHAIN #4 **(PART OF THE ORIGINAL ROAD ALLOWANCE BETWEEN LOTS 15 and16)**	
	NATIONAL CAPITAL COMMISSION	MAY 23 1971 TO **PRESENT**
	HER MAJESTY THE QUEEN AS REPRESENTED BY THE MINISTER OF HIGHWAYS	APRIL 5 1968 TO MAY 23 1971
CROWN PATENT	THE CORPORATION OF THE TOWNSHIP OF NEPEAN **vested by Virtue of The Municipal Act**	**circa. 1808** TO APRIL 5 1968

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CROWN PATENT: MAY 26 1817

LOT 15 ; CONCESSION 2
(OTTAWA FRONT)

CROWN PATENT: MARCH 25 1808

LOT 16 ; CONCESSION 2
(OTTAWA FRONT)

GEOGRAPHIC TOWNSHIP OF NEPEAN

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Appendix D

City Directories

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

CITY DIRECTORY

Years Available: 1870-2011

Year Site First Listed (within accessible data sources): 1980

Comments/Notes: Site address & adjacent properties listed under: “Ottawa”, “Gloucester” & “Nepean”, Ontario

Year: 2011	
Site & Listing: 3045 Baseline Road	-Queensway-Carleton Hospital (Multi Tenant Medical Facility)
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Gardiner Construction 2946-Bouclair -Fat Alberts -Physio Clinic -Quickie 2948-HMA Pharmacy -Legal Ofc -Appletree Medical Clinic -West Ottawa Wellness -Agricultural Renewal Environment

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Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-All Residential
Chinook Crescent (1-40)	-All Residential
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-No Listings Within Radius
Sandcastle Drive (2-80 even)	-All Residential

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Shadow Court (All)	-All Residential
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	2-Valley Stream Manor 91- Multi Tenant Residential
ON-416	-No Listings Within Radius

Year: 2005-2006	
Site & Listing: 3045 Baseline Road	-Queensway-Carleton Hospital (Multi Tenant Medical Facility)
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Gardiner Construction -Battlefield Equipment Rentals 2946-Quickie -Sens Physio

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

	2948-HMA Pharmacy -Legal Ofc -Shana Electrolysis -Appletree Medical Clinic
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-All Residential
Chinook Crescent (1-40)	-All Residential
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-Tubman Funeral Home 3448-Friesen Kaye & Assoc.

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Robertson Road (1701-1705 odd)	-No Listings Within Radius
Sandcastle Drive (2-80 even)	-All Residential
Shadow Court (All)	-All Residential
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	91- Multi Tenant Residential
ON-416	-No Listings Within Radius

Year: 2001-2002	
Site & Listing: 3045 Baseline Road	-Queensway-Carleton Hospital (Multi Tenant Medical Facility)
Adjacent Properties:	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Baseline Road (2940-3045)	2940-Gardiner Construction -Battlefield Equipment Rentals 2946-Quickie -Bouclair -Fat Alberts 2948-Huber & Suhner -Legal Ofc -Shana Electrolysis
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-All Residential
Chinook Crescent (1-40)	-All Residential
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-Tubman Funeral Home 3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-No Listings Within Radius
Sandcastle Drive (2-80 even)	-All Residential
Shadow Court (All)	-All Residential
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	91- Multi Tenant Residential
ON-416	-No Listings Within Radius

Year: 1995-1996	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site & Listing: 3045 Baseline Road	-Queensway-Carleton Hospital (Multi Tenant Medical Facility)
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Gardiner Construction -Craig Construction Equipment -Insulock ON. 2946-Bouclair 2948-Royal Lepage -Cumberland Drugs -Shana Electrolysis -Nepean Physical Medicine Ctr
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-All Residential
Chinook Crescent (1-40)	-All Residential
John Sutherland Drive (All)	-Street Not Listed

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-Tubman Funeral Home 3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-No Listings Within Radius
Sandcastle Drive (2-80 even)	-All Residential
Shadow Court (All)	-All Residential
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	91- Multi Tenant Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

ON-416	-No Listings Within Radius

Year: 1990	
Site & Listing: 3045 Baseline Road	-Queensway-Carleton Hospital (Multi Tenant Medical Facility)
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Craig Construction Equipment 2946-Bouclair 2948-State Farm -Cdn Cancer Society -Nepean Physical Medicine Ctr
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-All Residential
Chinook Crescent (1-40)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-Tubman Funeral Home 3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-No Listings Within Radius
Sandcastle Drive (2-80 even)	-All Residential
Shadow Court (All)	-All Residential
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	91- Multi Tenant Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

ON-416	-No Listings Within Radius

Year: 1984	
Site & Listing: 3045 Baseline Road	-Queensway-Carleton Hospital (Multi Tenant Medical Facility)
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Craig Construction Equipment 2946-Bouclair 2948-State Farm -Cdn Cancer Society -Nepean Physical Medicine Ctr
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-All Residential
Chinook Crescent (1-40)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-Tubman Funeral Home 3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-No Listings Within Radius
Sandcastle Drive (2-80 even)	-All Residential
Shadow Court (All)	-All Residential
Sioux Crescent (All)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Valley Stream Drive (1-100)	91- Multi Tenant Residential
ON-416	-No Listings Within Radius

Year: 1979	
Site & Listing: 3045 Baseline Road	-Address Not Listed
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Craig Construction Equipment 2946-Bou Clair 2948-Multi Tenant Medical Building -Legal Ofc
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-Street Not Listed
Chinook Crescent (1-40)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-Bruce Reginald 3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-Street Not Listed
Sandcastle Drive (2-80 even)	-Street Not Listed
Shadow Court (All)	-Street Not Listed
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	-Street Not Listed

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

ON-416	-No Listings Within Radius

Year: 1974	
Site & Listing: 3045 Baseline Road	-Address Not Listed
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Craig Construction Equipment
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-Street Not Listed
Chinook Crescent (1-40)	-All Residential
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Okanagan Drive (40-65)	-All Residential
Richmond Road (3440-3451)	3440-No Return 3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-Street Not Listed
Sandcastle Drive (2-80 even)	-Street Not Listed
Shadow Court (All)	-Street Not Listed
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	-Street Not Listed
ON-416	-No Listings Within Radius

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Year: 1970	
Site & Listing: 3045 Baseline Road	-Address Not Listed
Adjacent Properties:	
Baseline Road (2940-3045)	2940-Craig Construction Equipment
Aleutian Road (1-50)	-All Residential
Brookhaven Court (All)	-Street Not Listed
Chinook Crescent (1-40)	-All Residential
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-All Residential

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Richmond Road (3440-3451)	3448-Friesen Kaye & Assoc.
Robertson Road (1701-1705 odd)	-Street Not Listed
Sandcastle Drive (2-80 even)	-Street Not Listed
Shadow Court (All)	-Street Not Listed
Sioux Crescent (All)	-All Residential
Valley Stream Drive (1-100)	-Street Not Listed
ON-416	-No Listings Within Radius

Year: 1965	
Site & Listing: 3045 Baseline Road	-Address Not Listed
Adjacent Properties:	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Baseline Road (2940-3045)	-No Listings Within Radius
Aleutian Road (1-50)	1 - Residential
Brookhaven Court (All)	-Street Not Listed
Chinook Crescent (1-40)	-Not Built Upon
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-All Residential
Okanagan Drive (40-65)	-No Listings Within Radius
Richmond Road (3440-3451)	-No Listings Within Radius
Robertson Road (1701-1705 odd)	-Street Not Listed

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Sandcastle Drive (2-80 even)	-Street Not Listed
Shadow Court (All)	-Street Not Listed
Sioux Crescent (All)	-Not Built Upon
Valley Stream Drive (1-100)	-Street Not Listed
ON-416	-No Listings Within Radius

Year: 1960	
Site & Listing: 3045 Baseline Road	-Address Not Listed
Adjacent Properties:	
Baseline Road (2940-3045)	-No Listings Within Radius
Aleutian Road (1-50)	-Street Not Listed

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Brookhaven Court (All)	-Street Not Listed
Chinook Crescent (1-40)	-Street Not Listed
John Sutherland Drive (All)	-Street Not Listed
Nanaimo Drive (1-15)	-Street Not Listed
Okanagan Drive (40-65)	-Street Not Listed
Richmond Road (3440-3451)	-No Listings Within Radius
Robertson Road (1701-1705 odd)	-Street Not Listed
Sandcastle Drive (2-80 even)	-Street Not Listed
Shadow Court (All)	-Street Not Listed

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Sioux Crescent (All)	-Street Not Listed
Valley Stream Drive (1-100)	-Street Not Listed
ON-416	-No Listings Within Radius

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Appendix E

ERIS Report

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

DATABASE REPORT

Project Property:	*3045 Baseline Road, Ottawa* *3045 Baseline Road* *Nepean ON K2H 8P4*
Project No:	*23906-001*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*25070400156*
Requested by:	*Cambium Inc.*
Date Completed:	*July 9, 2025*

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

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Executive Summary

Property Information:

Project Property:	*3045 Baseline Road, Ottawa* *3045 Baseline Road Nepean ON K2H 8P4*
Project No:	*23906-001*

Order Information:

Order No:	*25070400156*
Date Requested:	*July 4, 2025*
Requested by:	*Cambium Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Topographic Map	*ANSI Map & Ontario Base Map (OBM)*

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	1	0	1
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	15	75	90
CA	Certificates of Approval	Y	9	3	12
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	1	2	3
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	1	0	1
EBR	Environmental Registry	Y	2	1	3
ECA	Environmental Compliance Approval	Y	7	2	9
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	3	9	12
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	1	0	1
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	18	14	32
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	1	0	1
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	2	2
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	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	6	6
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	3	3
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	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	3	3
SPL	Ontario Spills	Y	4	7	11
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

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
WDSH	***Waste Disposal Sites - MOE 1991 Historical Approval Inventory***	*Y*	*0*	*0*	*0*
WWIS	***Water Well Information System***	*Y*	*5*	*16*	*21*
		Total:	*68*	*144*	*212*

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		3440 Richmond Rd Nepean ON K2H 8H7	ENE/0.0	0.00	52
2	GEN	Queensway Carleton Hospital	3045 Baseline Road Ottawa ON	SSE/0.0	3.12	52
3	BORE		ON	ESE/0.0	6.39	67
4	WWIS		lot 16 con 2 ON ***Well ID:*** 1504027	W/0.0	0.46	69
5	CA	QUEENSWAY CARLETON GENERAL HOSPITAL	3045 BASELINE RD. NEPEAN CITY ON K2H 8P4	S/0.0	5.00	7
5	CA	QUEENSWAY CARLETON HOSPITAL	3045 BASELINE RD. NEPEAN CITY ON K2H 8P4	S/0.0	5.00	72
5	CA		3045 Baseline Road Nepean ON K2H 8P4	S/0.0	5.00	72
5	CA		3045 Baseline Road Nepean ON K2H 8P4	S/0.0	5.00	73

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
5	GEN	QUEENSWAY CARLETON HOSPITAL	3045 BASELINE ROAD NEPEAN ON K2H 8P4	S/0.0	5.00	73
5	GEN	QUEENSWAY CARLETON HOSPITAL	3045 BASELINE ROAD NEPEAN ON K2H 8P4	S/0.0	5.00	73
5	GEN	QUEENSWAY CARLETON HOSPITAL 32-049	3045 BASELINE ROAD NEPEAN ON K2H 8P4	S/0.0	5.00	74
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 BASELINE ROAD NEPEAN ON K2H 8P4	S/0.0	5.00	75
5	EBR	Queensway Carleton Corporation	3045 Baseline Road Ottawa Ontario K2H 8P4 Ottawa ON	S/0.0	5.00	76
5	EHS		3045 Baseline Rd Ottawa ON	S/0.0	5.00	77
5	CA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	S/0.0	5.00	77
5	CA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	S/0.0	5.00	77
5	CA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	S/0.0	5.00	78
5	CA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	S/0.0	5.00	78

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
5	CA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	S/0.0	5.00	78
5	EBR	Queensway-Carleton Hospital	3045 Baseline Road Ottawa K2H 8P4 CITY OF OTTAWA ON	S/0.0	5.00	79
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	S/0.0	5.00	79
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	S/0.0	5.00	80
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	S/0.0	5.00	82
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	S/0.0	5.00	84
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	S/0.0	5.00	85
5	CFOT	MODERN NIAGARA OTTAWA INC	3045 BASELINE RD NEPEAN ON	S/0.0	5.00	87
5	SPL		3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	87

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
5	SPL	Waste Management of Canada Ltd.	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	88
5	ECA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	89
5	ECA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	89
5	ECA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	89
5	ECA	Queensway Carleton Corporation	3045 Baseline Road Ottawa ON K2H 8P4	S/0.0	5.00	89
5	ECA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	90
5	ECA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	90
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	S/0.0	5.00	90
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON k2h 8p4	S/0.0	5.00	92
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON k2h 8p4	S/0.0	5.00	93

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	S/0.0	5.00	95
5	SPL	Johnson Controls Limited	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	97
5	ECA	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	98
5	EASR	OTTAWA GREENBELT CONSTRUCTION COMPANY LIMITED	3045 Baseline Road, east of Cedarview Rd. to Valley Stream Dr. Ottawa ON K2H 8P4	S/0.0	5.00	99
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	S/0.0	5.00	99
5	SPL	Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	S/0.0	5.00	101
5	GEN	QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	S/0.0	5.00	102
6	EHS		3440 Richmond Road Ottawa ON K2H 8H7	NW/0.0	-3.69	105
7	WWIS		lot 16 con 2 OTTAWA ON ***Well ID:*** 1535364	WNW/0.0	-1.70	105

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
8	WWIS		lot 16 con 2 ON ***Well ID:*** 1504028	WNW/0.0	-0.61	107
9	BORE		ON	WNW/0.0	-0.61	110
10	FCS	3448 Richmond Road, Ottawa	Ottawa ON	WNW/0.0	-1.70	111
11	BORE		ON	WSW/0.0	2.39	116
12	BORE		ON	SSW/0.0	3.31	119
13	BORE		ON	SSE/0.0	7.75	120
14	WWIS		lot 16 con 2 ON ***Well ID:*** 1504026	NW/0.0	-3.61	122
15	BORE		ON	NW/0.0	-3.61	124
16	BORE		ON	SE/0.0	7.39	125
17	BORE		ON	WSW/0.0	1.70	128

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
18	BORE		ON	WSW/0.0	1.39	129
19	BORE		ON	W/0.1	0.38	129
20	GEN	TUBMAN FUNERAL HOMES	3440 RICHMOND ROAD NEPEAN ON K2H 8H7	NNW/0.0	-4.66	130
20	GEN	TUBMAN FUNERAL HOMES 44-467	3440 RICHMOND ROAD NEPEAN ON K2H 8H7	NNW/0.0	-4.66	131
21	AMIS	BRUCE FARM	NEPEAN ON	N/0.0	-4.61	131
22	MNR	Bruce Farm	ON	N/0.0	-4.61	132
23	BORE		ON	SE/0.0	8.58	132
24	BORE		ON	SW/0.0	5.36	133
25	BORE		ON	SW/0.0	5.36	134

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
26	BORE		ON	S/0.0	13.78	135
27	BORE		ON	N/0.0	-4.58	137
28	WWIS		3045 Richmond Rd con 2 Ottawa ON ***Well ID:*** 7350850	N/0.0	-5.61	139

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
29	BORE		ON	SW/3.0	4.24	142
30	BORE		ON	SW/3.6	4.31	143
31	BORE		ON	W/4.1	0.38	143
32	BORE		ON	WSW/6.6	2.31	145
33	EHS		Baseline Road Ottawa ON	SE/15.0	15.90	145
34	CA	R.M. OF OTTAWA-CARLETON	BASELINE RD./CEDARVIEW RD. NEPEAN CITY ON	SSW/15.3	10.76	146
34	SPL	SEWERMATIC	INTERSECTION OF CEDARVIEW RD & BASELINE RD. TANK TRUCK (CARGO) NEPEAN CITY ON	SSW/15.3	10.76	146
35	SPL		Southwest corner of Baseline and Cedarview. Ottawa OTTAWA ON	SSW/16.6	10.76	147
36	NPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	148
36	SCT	Sciemetric Instruments Inc.	3685 Richmond Rd Nepean ON K2H 5B7	W/16.8	-1.30	148
36	OPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	148
36	OPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	149

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
36	OPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	149
36	OPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	149
36	OPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	149
36	GEN	COMPUTING DEVICES CO	3685 RICHMOND RD, BUILDING #2 PO BOX 8508 OTTAWA ON K2H 5B7	W/16.8	-1.30	149
36	GEN	COMPUTING DEVICES	3685 RICHMOND RD, BUILDING #2 PO BOX 8508 OTTAWA ON K2H 5B7	W/16.8	-1.30	150
36	GEN	COMPUTING DEVICES COMPANY	3685 RICHMOND RD, BUILDING #2 PO BOX 8508 NEPEAN ON K2H 5B7	W/16.8	-1.30	150
36	GEN	COMPUTING DEVICES COMPANY 10-066	3685 RICHMOND ROAD, BUILDING #2 NEPEAN ON K2H 5B7	W/16.8	-1.30	151
36	GEN	CHIPWORKS	3685 RICHMOND ROAD, SUITE 500 NEPEAN ON K2H 5B7	W/16.8	-1.30	153
36	GEN	CHIPWORKS	3685 Richmond Rd Suite 500 Ottawa ON K2H 5B7	W/16.8	-1.30	154
36	OPCB	COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	W/16.8	-1.30	155
36	EBR	Chipworks Inc.	3685 Richmond Road Suite 500 Ottawa Ontario K2H 5B7 Ottawa ON	W/16.8	-1.30	155
36	NPCB	COMPUTING DEVICES	3685 RICHMOND RD NEPEAN ON K2H 5B7	W/16.8	-1.30	155

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
36	SCT	Chipworks Inc.	3685 Richmond Rd Suite 500 Nepean ON K2H 5B7	W/16.8	-1.30	155
36	CA	Chipworks Inc.	3685 Richmond Road Ottawa ON	W/16.8	-1.30	156
36	PES	METRO ONTARIO INC O/A METRO/FOOD BASICS # 267	3655 RICHMOND ROAD NEPEAN ON K2H 8X3	W/16.8	-1.30	156
36	GEN	CHIPWORKS	3685 Richmond Rd Suite 500 Ottawa ON	W/16.8	-1.30	157
36	GEN	CHIPWORKS	3685 Richmond Rd Suite 500 Ottawa ON	W/16.8	-1.30	157
36	PES	METRO ONTARIO INC O/A METRO/FOOD BASICS # 267	3655 Richmond Road Nepean ON K2H 8X3	W/16.8	-1.30	158
36	ECA	Chipworks Inc.	3685 Richmond Road Ottawa ON K2H 5B7	W/16.8	-1.30	159
36	PES	METRO ONTARIO INC O/A METRO/FOOD BASICS # 267	3655 RICHMOND ROAD NEPEAN ON K2H8X3	W/16.8	-1.30	159
37	BORE		ON	W/19.6	0.38	160
38	WWIS		lot 16 con 2 ON ***Well ID:*** 1504025	NW/22.6	-3.78	161
39	BORE		ON	NW/22.6	-3.78	163
40	GEN	PETER KIEWIT SONS CO. LTD.	3529 RICHMOND ROAD NEPEAN ON K2H 8H8	WNW/23.6	-1.92	165
40	GEN	PETER (OUT OF BUS)	3529 RICHMOND ROAD NEPEAN ON K2H 8H8	WNW/23.6	-1.92	165

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
41	BORE		ON	W/24.4	1.42	166
42	SPL	S 21(1)(f) of FIPPA	42 Sioux Crescent Ottawa ON K2H 7E5	ESE/25.4	6.39	166
42	INC		42 SIOUX CR., OTTAWA ON	ESE/25.4	6.39	167
43	WWIS		42 SIOUX CRES Ottawa ON ***Well ID:*** 7144019	ESE/28.5	6.39	168
44	WWIS		Richmond Rd con 2 Ottawa ON ***Well ID:*** 7350851	W/31.1	-1.09	171
45	GEN	Bell	3212 Richmond Rd Nepean ON K2H 5B6	N/32.1	-5.61	174
46	BORE		ON	SSW/32.2	6.06	176
47	BORE		ON	W/34.5	1.42	177
48	BORE		ON	SW/35.1	6.45	178
49	BORE		ON	SW/35.3	5.39	179
50	BORE		ON	W/38.7	0.39	180
51	CA	Britannia Switching Station	3212 Richmond Road Ottawa ON	N/39.3	-5.61	181
51	CFOT	BELL CANADA	3212 RICHMOND RD OTTAWA ON	N/39.3	-5.61	181

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
51	CFOT	BELL CANADA	3212 RICHMOND RD OTTAWA ON	N/39.3	-5.61	181
51	ECA	Bell Canada	3212 Richmond Road Ottawa ON	N/39.3	-5.61	182
51	GEN	Bell Canada	3212 Richmond Road Ottawa ON	N/39.3	-5.61	182
52	BORE		ON	W/39.4	1.51	182
53	BORE		ON	W/45.5	0.39	183
54	BORE		ON	W/45.9	0.39	184
55	BORE		ON	WSW/47.4	1.39	185
56	WWIS		lot 15 con 2 ON ***Well ID:*** 1504024	W/49.1	1.51	186
57	BORE		ON	W/50.9	1.34	189
58	WWIS		OTTAWA REGION OTTAWA ON ***Well ID:*** 7128817	N/53.0	-6.61	190
59	BORE		ON	WSW/57.1	1.70	192
60	BORE		ON	N/64.5	-6.61	193
61	BORE		ON	SSW/68.7	6.39	195

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
62	BORE		ON	SW/69.5	5.70	197
63	BORE		ON	SW/70.9	5.08	198
64	BORE		ON	ESE/72.5	7.39	199
65	BORE		ON	WSW/72.9	1.70	200
66	BORE		ON	SW/73.4	5.08	201
67	BORE		ON	SW/74.9	6.39	202
68	BORE		ON	WSW/77.8	3.08	202
69	WWIS		lot 17 con 2 ON ***Well ID:*** 1511844	N/78.1	-6.61	203
70	BORE		ON	WSW/82.9	2.42	207
71	BORE		ON	W/84.8	0.46	207
72	BORE		ON	WSW/86.8	5.08	208
73	WWIS		lot 15 con 2 ON ***Well ID:*** 1504022	WSW/86.8	5.08	209
74	BORE		ON	W/89.4	2.47	211

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
75	BORE		ON	W/90.7	2.42	212
76	SPL		s. 21 Ottawa ON	N/92.7	-6.61	213
77	BORE		ON	SSW/103.3	7.95	214
78	SPL	SHELL CANADA PRODUCTS LTD.	2 ALEUTIAN ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2H 7C8	NNE/104.3	-6.61	215
79	BORE		ON	SSW/105.8	6.36	216
80	BORE		ON	SSW/109.8	7.95	217
81	WWIS		lot 35 con 3 ON ***Well ID:*** 1506070	ESE/110.3	8.54	219
82	BORE		ON	W/113.6	0.43	221
83	BORE		ON	SSW/123.9	7.34	222
84	BORE		ON	SSW/125.2	6.93	223
85	BORE		ON	SSW/129.2	7.92	224
86	BORE		ON	W/129.5	2.14	226
87	EHS		59 A Okanagan Drive Nepean ON K2H 7G3	E/132.3	3.08	227

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
88	BORE		ON	SSW/133.0	6.93	227
89	EHS		2 Valley Stream Drive Ottawa ON	SE/135.5	9.39	228
90	BORE		ON	S/139.3	10.07	228
91	BORE		ON	N/140.7	-6.61	229
92	BORE		ON	ESE/141.8	4.03	231
93	BORE		ON	SSW/143.5	6.66	232
94	BORE		ON	WNW/145.6	-0.30	233
95	BORE		ON	SSW/147.7	7.34	234
96	BORE		ON	S/150.5	7.27	235
97	WWIS		lot 17 con 2 ON ***Well ID:*** 1517574	NNE/151.1	-6.61	236
98	BORE		ON	W/152.7	1.36	239
99	BORE		ON	SSW/156.5	7.20	240
100	BORE		ON	SSW/157.1	6.66	241

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
101	EHS		Greenbank Road & Fallowfield Road Ottawa ON	NNE/162.0	-5.61	242
102	BORE		ON	SSW/163.2	7.80	243
103	EHS		Richmond Rd E of Baseline Rd S Ottawa ON	WSW/163.9	4.44	243
104	EHS		21471798 - Richmond Rd Culvert Ottawa ON K2H	N/167.0	-6.61	244
105	BORE		ON	SSW/167.0	7.17	244
106	EHS		91 Valley Stream Dr Ottawa ON K2H9G8	ESE/171.6	8.40	245
107	BORE		ON	S/172.0	8.51	245
108	BORE		ON	W/174.0	1.36	246
109	BORE		ON	S/176.0	8.51	247
110	BORE		ON	SSW/176.1	9.29	249
111	EHS		91 Valley Stream Drive Ottawa, ON ON	ESE/177.4	8.40	250
112	BORE		ON	S/182.4	8.39	250
113	BORE		ON	SSW/183.9	8.59	251

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
114	BORE		ON	SSW/187.8	8.31	252
115	EHS		2960 Baseline Rd Nepean ON K2H 9E3	ESE/191.4	6.34	253
116	BORE		ON	S/192.4	8.39	254
117	WWIS		Baseline Rd con 3 Ottawa ON ***Well ID:*** 7350853	ESE/198.4	1.75	255
118	SCT	Beaufield Resources Inc.	3208 Richmond Rd Nepean ON K2H 5B6	NNE/198.5	-6.61	258
119	GEN	MINISTRY OF TRANSPORTATION	3229 RICHMOND ROAD NEPEAN ON K2H 8G4	NNW/198.8	-4.60	259
120	WWIS		BASELINE RD WEST Ottawa ON ***Well ID:*** 7348533	SSE/200.0	10.36	259
121	BORE		ON	S/201.2	8.39	261
122	BORE		ON	SSW/201.2	9.29	263
123	BORE		ON	SSW/202.2	9.36	264
124	BORE		ON	W/204.8	1.39	266
125	BORE		ON	S/216.9	9.44	266
126	SPL	SILVER SPRING FARMS	3501 RICHMOND ROAD SILVER SPRING FARMS FURNACE OIL TANK OTTAWA CITY ON K2H 8H8	WSW/217.4	5.06	268

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
126	GEN	OTTAWA & DIST ASS FOR MENTALLY 29-562	RETARDED SILVER SPRING FARM 3501 RICHMOND RD. NEPEAN ON K2H 8H8	WSW/217.4	5.06	269
127	BORE		ON	SSW/222.5	9.66	269
128	BORE		ON	SW/222.7	6.70	271
129	WWIS		lot 14 con 2 ON ***Well ID:*** 1504018	SW/222.7	6.70	272
130	BORE		ON	N/225.5	-6.61	274
131	SPL	City of Ottawa	26 Okanagan Drive Ottawa ON K2H 7G1	ENE/227.1	-1.92	275
132	WWIS		lot 17 con 2 ON ***Well ID:*** 1504032	N/228.1	-6.61	276
133	BORE		ON	SSW/228.6	9.55	279
134	BORE		ON	SSW/228.8	10.51	280
135	BORE		ON	S/233.5	9.44	281
136	WWIS		lot 17 con 2 ON ***Well ID:*** 1504030	N/239.7	-6.61	283
136	WWIS		lot 17 con 2 ON ***Well ID:*** 1504031	N/239.7	-6.61	285
137	BORE		ON	SSW/241.4	9.66	289

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Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
138	BORE		ON	N/242.9	-6.61	290
139	WWIS		lot 17 con 2 ON ***Well ID:*** 1504033	NNE/244.2	-6.61	291
140	BORE		ON	NNE/244.3	-6.61	295

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Executive Summary: Summary By Data Source

AMIS - Abandoned Mine Information System

A search of the AMIS database, dated 1800-Apr 2024 has found that there are 1 AMIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BRUCE FARM	NEPEAN ON	0.0	21

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 90 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	3
	ON	0.0	9
	ON	0.0	11
	ON	0.0	12
	ON	0.0	13
	ON	0.0	15
	ON	0.0	16

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Site	Address	Distance (m)	Map Key
	ON	0.0	17
	ON	0.0	18
	ON	0.1	19
	ON	0.0	23
	ON	0.0	24
	ON	0.0	25
	ON	0.0	26
	ON	0.0	27
	ON	3.0	29
	ON	3.6	30
	ON	4.1	31

Site	Address	Distance (m)	Map Key
	ON	6.6	32
	ON	19.6	37
	ON	22.6	39
	ON	24.4	41
	ON	32.2	46
	ON	34.5	47
	ON	35.1	48
	ON	35.3	49
	ON	38.7	50
	ON	39.4	52
	ON	45.5	53
	ON	45.9	54

Site	Address	Distance (m)	Map Key
	ON	47.4	55
	ON	50.9	57
	ON	57.1	59
	ON	64.5	60
	ON	68.7	61
	ON	69.5	62
	ON	70.9	63
	ON	72.5	64
	ON	72.9	65
	ON	73.4	66
	ON	74.9	67

Site	Address	Distance (m)	Map Key
	ON	77.8	68
	ON	82.9	70
	ON	84.8	71
	ON	86.8	72
	ON	89.4	74
	ON	90.7	75
	ON	103.3	77
	ON	105.8	79
	ON	109.8	80
	ON	113.6	82
	ON	123.9	83
	ON	125.2	84

Site	Address	Distance (m)	Map Key
	ON	129.2	85
	ON	129.5	86
	ON	133.0	88
	ON	139.3	90
	ON	140.7	91
	ON	141.8	92
	ON	143.5	93
	ON	145.6	94
	ON	147.7	95
	ON	150.5	96
	ON	152.7	98

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Site	Address	Distance (m)	Map Key
	ON	156.5	99
	ON	157.1	100
	ON	163.2	102
	ON	167.0	105
	ON	172.0	107
	ON	174.0	108
	ON	176.0	109
	ON	176.1	110
	ON	182.4	112
	ON	183.9	113
	ON	187.8	114
	ON	192.4	116

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Site	Address	Distance (m)	Map Key
	ON	201.2	121
	ON	201.2	122
	ON	202.2	123
	ON	204.8	124
	ON	216.9	125
	ON	222.5	127
	ON	222.7	128
	ON	225.5	130
	ON	228.6	133
	ON	228.8	134
	ON	233.5	135

Site	Address	Distance (m)	Map Key
	ON	241.4	137
	ON	242.9	138
	ON	244.3	140

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 12 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
QUEENSWAY CARLETON GENERAL HOSPITAL	3045 BASELINE RD. NEPEAN CITY ON K2H 8P4	0.0	5
QUEENSWAY CARLETON HOSPITAL	3045 BASELINE RD. NEPEAN CITY ON K2H 8P4	0.0	5
	3045 Baseline Road Nepean ON K2H 8P4	0.0	5
	3045 Baseline Road Nepean ON K2H 8P4	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	0.0	5

Site	Address	Distance (m)	Map Key
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON	0.0	5
R.M. OF OTTAWA-CARLETON	BASELINE RD./CEDARVIEW RD. NEPEAN CITY ON	15.3	34
Chipworks Inc.	3685 Richmond Road Ottawa ON	16.8	36
Britannia Switching Station	3212 Richmond Road Ottawa ON	39.3	51

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Oct 2023 has found that there are 3 CFOT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MODERN NIAGARA OTTAWA INC	3045 BASELINE RD NEPEAN ON	0.0	5
BELL CANADA	3212 RICHMOND RD OTTAWA ON	39.3	51
BELL CANADA	3212 RICHMOND RD OTTAWA ON	39.3	51

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011 - May 31, 2025 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OTTAWA GREENBELT CONSTRUCTION COMPANY LIMITED	3045 Baseline Road, east of Cedarview Rd. to Valley Stream Dr. Ottawa ON K2H 8P4	0.0	5

EBR - Environmental Registry

A search of the EBR database, dated 1994 - May 31, 2025 has found that there are 3 EBR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Queensway Carleton Corporation	3045 Baseline Road Ottawa Ontario K2H 8P4 Ottawa ON	0.0	5
Queensway-Carleton Hospital	3045 Baseline Road Ottawa K2H 8P4 CITY OF OTTAWA ON	0.0	5
Chipworks Inc.	3685 Richmond Road Suite 500 Ottawa Ontario K2H 5B7 Ottawa ON	16.8	36

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011 - May 31, 2025 has found that there are 9 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Queensway Carleton Corporation	3045 Baseline Road Ottawa ON K2H 8P4	0.0	5

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Site	Address	Distance (m)	Map Key
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Chipworks Inc.	3685 Richmond Road Ottawa ON K2H 5B7	16.8	36
Bell Canada	3212 Richmond Road Ottawa ON	39.3	51

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 12 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3440 Richmond Rd Nepean ON K2H 8H7	0.0	1
	3045 Baseline Rd Ottawa ON	0.0	5
	3440 Richmond Road Ottawa ON K2H 8H7	0.0	6
	Baseline Road Ottawa ON	15.0	33
	59 A Okanagan Drive Nepean ON K2H 7G3	132.3	87

Site	Address	Distance (m)	Map Key
	2 Valley Stream Drive Ottawa ON	135.5	89
	Greenbank Road & Fallowfield Road Ottawa ON	162.0	101
	Richmond Rd E of Baseline Rd S Ottawa ON	163.9	103
	21471798 - Richmond Rd Culvert Ottawa ON K2H	167.0	104
	91 Valley Stream Dr Ottawa ON K2H9G8	171.6	106
	91 Valley Stream Drive Ottawa, ON ON	177.4	111
	2960 Baseline Rd Nepean ON K2H 9E3	191.4	115

FCS - Contaminated Sites on Federal Land

A search of the FCS database, dated Jun 2000-Jan 2025 has found that there are 1 FCS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
3448 Richmond Road, Ottawa	Ottawa ON	0.0	10

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2024 has found that there are 32 GEN site(s) within approximately 0.25 kilometers of the project property.

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site	Address	Distance (m)	Map Key
Queensway Carleton Hospital	3045 Baseline Road Ottawa ON	0.0	2
QUEENSWAY CARLETON HOSPITAL	3045 BASELINE ROAD NEPEAN ON K2H 8P4	0.0	5
QUEENSWAY CARLETON HOSPITAL 32-049	3045 BASELINE ROAD NEPEAN ON K2H 8P4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 BASELINE ROAD NEPEAN ON K2H 8P4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON k2h 8p4	0.0	5

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site	Address	Distance (m)	Map Key
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON k2h 8p4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON K2H 8P4	0.0	5
QUEENSWAY-CARLETON HOSPITAL	3045 Baseline Road Ottawa ON	0.0	5
QUEENSWAY CARLETON HOSPITAL	3045 BASELINE ROAD NEPEAN ON K2H 8P4	0.0	5
TUBMAN FUNERAL HOMES	3440 RICHMOND ROAD NEPEAN ON K2H 8H7	0.0	20
TUBMAN FUNERAL HOMES 44-467	3440 RICHMOND ROAD NEPEAN ON K2H 8H7	0.0	20
COMPUTING DEVICES CO	3685 RICHMOND RD, BUILDING #2 PO BOX 8508 OTTAWA ON K2H 5B7	16.8	36
COMPUTING DEVICES	3685 RICHMOND RD, BUILDING #2 PO BOX 8508 OTTAWA ON K2H 5B7	16.8	36
COMPUTING DEVICES COMPANY	3685 RICHMOND RD, BUILDING #2 PO BOX 8508 NEPEAN ON K2H 5B7	16.8	36
COMPUTING DEVICES COMPANY 10-066	3685 RICHMOND ROAD, BUILDING #2 NEPEAN ON K2H 5B7	16.8	36
CHIPWORKS	3685 RICHMOND ROAD, SUITE 500 NEPEAN ON K2H 5B7	16.8	36

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site	Address	Distance (m)	Map Key
CHIPWORKS	3685 Richmond Rd Suite 500 Ottawa ON K2H 5B7	16.8	36
CHIPWORKS	3685 Richmond Rd Suite 500 Ottawa ON	16.8	36
CHIPWORKS	3685 Richmond Rd Suite 500 Ottawa ON	16.8	36
PETER KIEWIT SONS CO. LTD.	3529 RICHMOND ROAD NEPEAN ON K2H 8H8	23.6	40
PETER (OUT OF BUS)	3529 RICHMOND ROAD NEPEAN ON K2H 8H8	23.6	40
Bell	3212 Richmond Rd Nepean ON K2H 5B6	32.1	45
Bell Canada	3212 Richmond Road Ottawa ON	39.3	51
MINISTRY OF TRANSPORTATION	3229 RICHMOND ROAD NEPEAN ON K2H 8G4	198.8	119
OTTAWA & DIST ASS FOR MENTALLY 29-562	RETARDED SILVER SPRING FARM 3501 RICHMOND RD. NEPEAN ON K2H 8H8	217.4	126

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated 31 Oct, 2023 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	42 SIOUX CR., OTTAWA ON	25.4	42

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site	Address	Distance (m)	Map Key

MNR - Mineral Occurrences

A search of the MNR database, dated 1846-Feb 2025 has found that there are 1 MNR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Bruce Farm	ON	0.0	22

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 2 NPCB site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
COMPUTING DEVICES	3685 RICHMOND RD NEPEAN ON K2H 5B7	16.8	36
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36

OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004; 2012-Dec 2013 has found that there are 6 OPCB site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36

Site	Address	Distance (m)	Map Key
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36
COMPUTING DEVICES	3685 RICHMOND RD. NEPEAN ON K2H 5B7	16.8	36

PES - Pesticide Register

A search of the PES database, dated Oct 2011 - May 31, 2025 has found that there are 3 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
METRO ONTARIO INC O/A METRO/FOOD BASICS # 267	3655 RICHMOND ROAD NEPEAN ON K2H 8X3	16.8	36
METRO ONTARIO INC O/A METRO/FOOD BASICS # 267	3655 RICHMOND ROAD NEPEAN ON K2H8X3	16.8	36
METRO ONTARIO INC O/A METRO/FOOD BASICS # 267	3655 Richmond Road Nepean ON K2H 8X3	16.8	36

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sciemetric Instruments Inc.	3685 Richmond Rd Nepean ON K2H 5B7	16.8	36
Chipworks Inc.	3685 Richmond Rd Suite 500 Nepean ON K2H 5B7	16.8	36

Site	Address	Distance (m)	Map Key
Beaufield Resources Inc.	3208 Richmond Rd Nepean ON K2H 5B6	198.5	118

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug-Mar 2025 has found that there are 11 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Waste Management of Canada Ltd.	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Johnson Controls Limited	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
Queensway-Carleton Hospital	3045 Baseline Rd Ottawa ON K2H 8P4	0.0	5
SEWERMATIC	INTERSECTION OF CEDARVIEW RD & BASELINE RD. TANK TRUCK (CARGO) NEPEAN CITY ON	15.3	34
	Southwest corner of Baseline and Cedarview. Ottawa OTTAWA ON	16.6	35
S 21(1)(f) of FIPPA	42 Sioux Crescent Ottawa ON K2H 7E5	25.4	42
	s. 21 Ottawa ON	92.7	76

Site	Address	Distance (m)	Map Key
SHELL CANADA PRODUCTS LTD.	2 ALEUTIAN ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2H 7C8	104.3	78
SILVER SPRING FARMS	3501 RICHMOND ROAD SILVER SPRING FARMS FURNACE OIL TANK OTTAWA CITY ON K2H 8H8	217.4	126
City of Ottawa	26 Okanagan Drive Ottawa ON K2H 7G1	227.1	131

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 21 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 16 con 2 ON ***Well ID:*** 1504027	0.0	4
	lot 16 con 2 OTTAWA ON ***Well ID:*** 1535364	0.0	7
	lot 16 con 2 ON ***Well ID:*** 1504028	0.0	8
	lot 16 con 2 ON ***Well ID:*** 1504026	0.0	14
	3045 Richmond Rd con 2 Ottawa ON ***Well ID:*** 7350850	0.0	28
	lot 16 con 2 ON ***Well ID:*** 1504025	22.6	38
	42 SIOUX CRES Ottawa ON	28.5	43

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site	Address	Distance (m)	Map Key
	Well ID: 7144019		
	Richmond Rd con 2 Ottawa ON	31.1	44
	Well ID: 7350851		
	lot 15 con 2 ON	49.1	56
	Well ID: 1504024		
	OTTAWA REGION OTTAWA ON	53.0	58
	Well ID: 7128817		
	lot 17 con 2 ON	78.1	69
	Well ID: 1511844		
	lot 15 con 2 ON	86.8	73
	Well ID: 1504022		
	lot 35 con 3 ON	110.3	81
	Well ID: 1506070		
	lot 17 con 2 ON	151.1	97
	Well ID: 1517574		
	Baseline Rd con 3 Ottawa ON	198.4	117
	Well ID: 7350853		
	BASELINE RD WEST Ottawa ON	200.0	120
	Well ID: 7348533		
	lot 14 con 2 ON	222.7	129
	Well ID: 1504018		
	lot 17 con 2 ON	228.1	132
	Well ID: 1504032		

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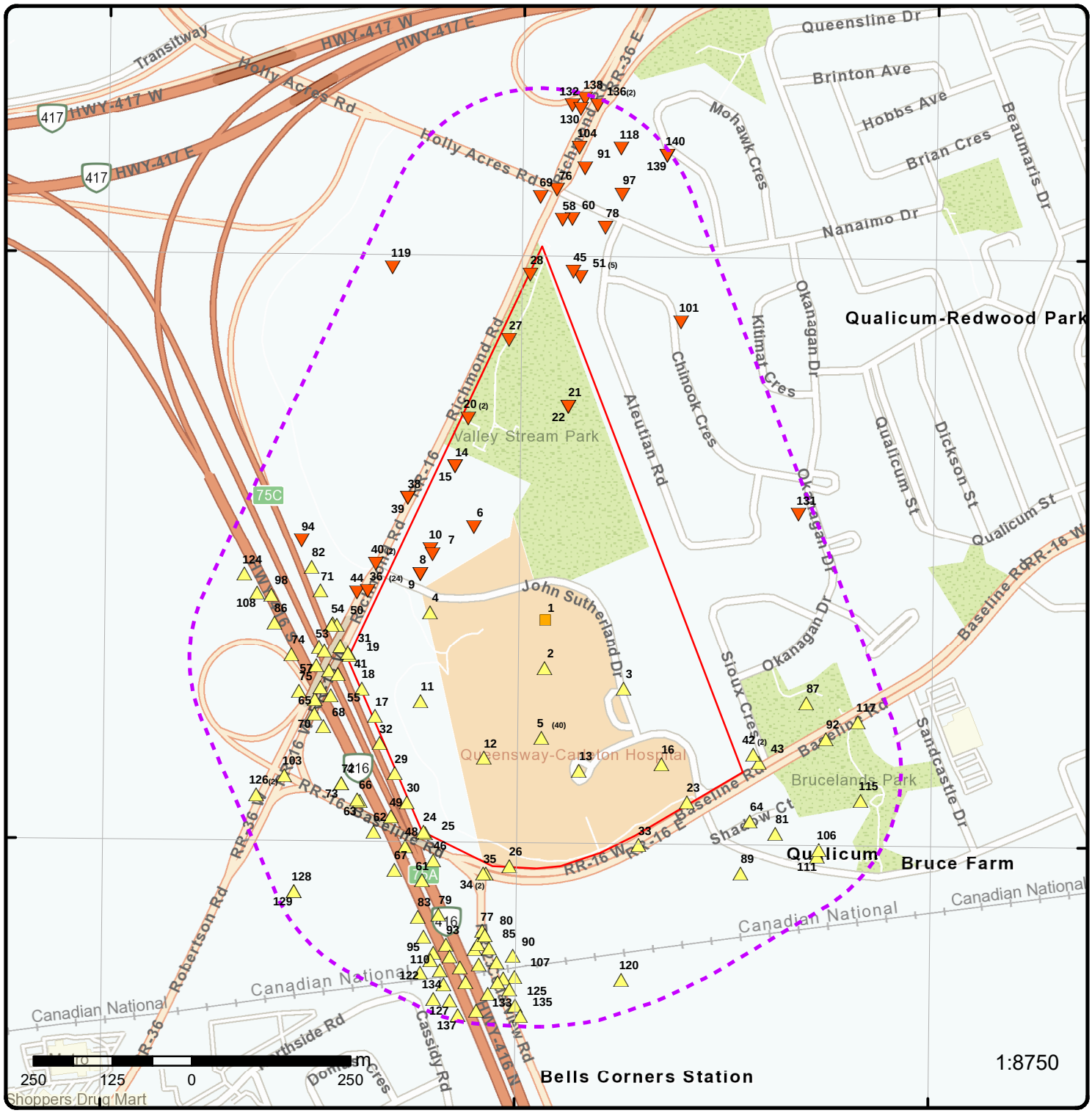
Site	Address	Distance (m)	Map Key
	lot 17 con 2 ON ***Well ID:*** 1504030	239.7	**136**
	lot 17 con 2 ON ***Well ID:*** 1504031	239.7	**136**
	lot 17 con 2 ON ***Well ID:*** 1504033	244.2	**139**



Map: 0.25 Kilometer Radius

Order Number: 25070400156

Address: 3045 Baseline Road, Nepean, ON

ERIS

- 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)

Source: © 2021 ESRI StreetMap Premium.

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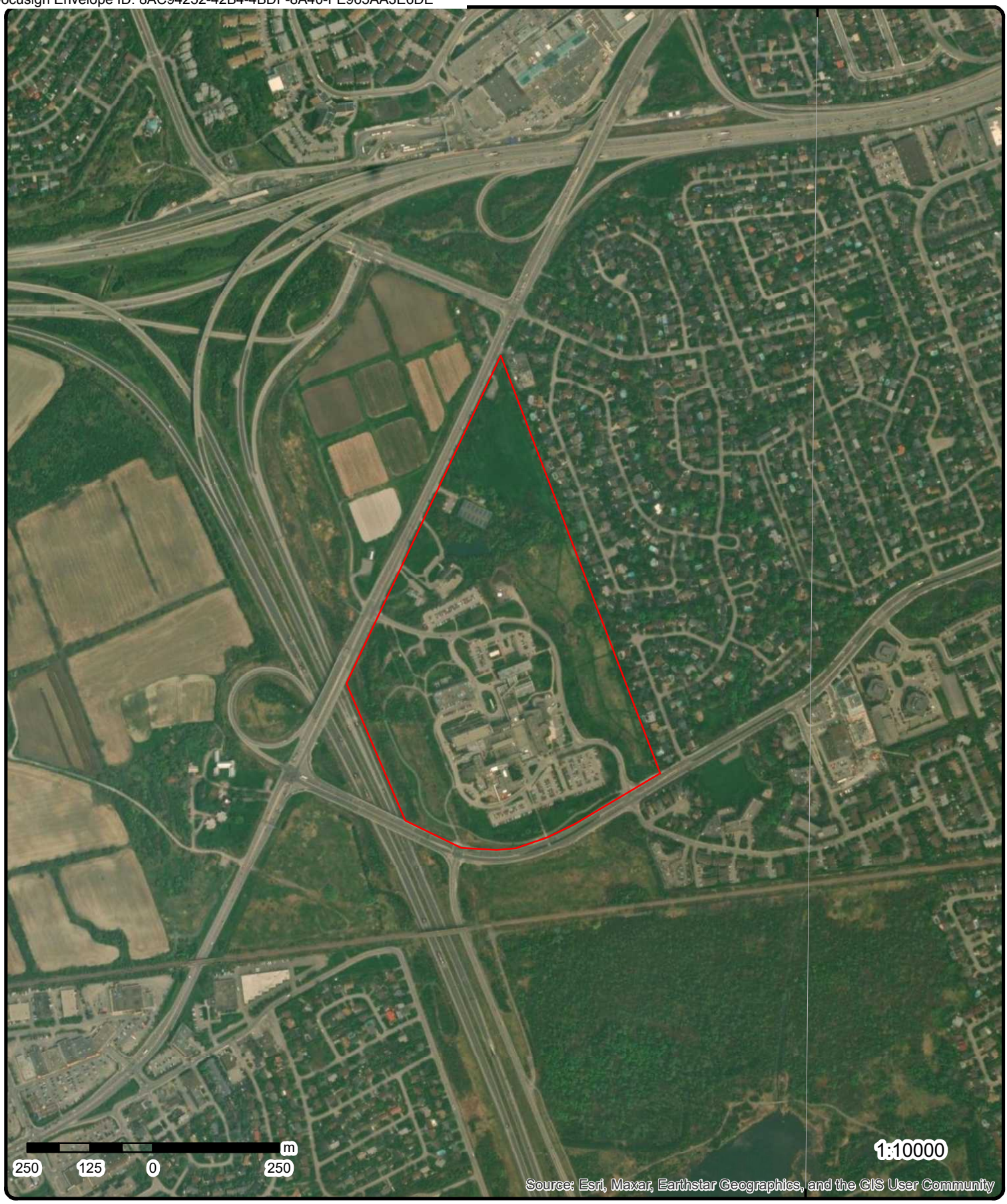
Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE



Aerial

Year: 2023

Order Number: 25070400156

Address: 3045 Baseline Road, Nepean, ON

Source: ESRI World Imagery

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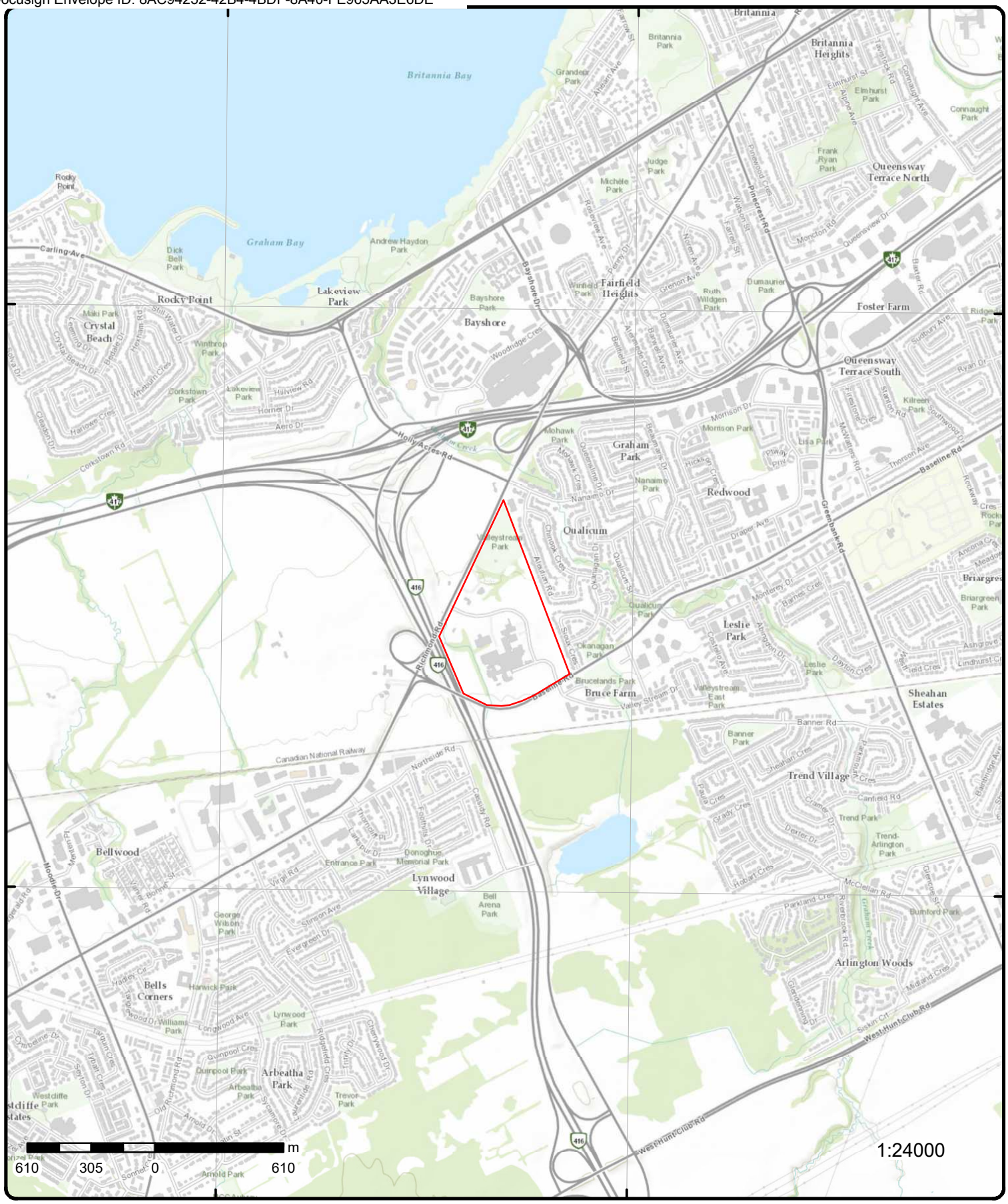
Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE



Topographic Map

Address: 3045 Baseline Road, ON

Source: ESRI World Topographic Map

Order Number: 25070400156

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Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/0.0	73.5 / 0.00	3440 Richmond Rd Nepean ON K2H 8H7	EHS

Order No: 24040800738
Status: C
Report Type: Standard Express Report
Report Date: 09-APR-24
Date Received: 08-APR-24
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: IL
Search Radius (km): .25
X: -75.807783
Y: 45.336498

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	SSE/0.0	76.6 / 3.12	Queensway Carleton Hospital 3045 Baseline Road Ottawa ON	GEN

Generator Info

Generator No: ON0490600
Approval Years: As of Oct 2022
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Detail(s)

Waste Class: 261 T
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 148 P
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 221 A
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Class: 263 P
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 112 C
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Detail(s)

Waste Class: 145 C
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Detail(s)

Waste Class: 145 L
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Detail(s)

Waste Class: 261 A
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 212 H
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 148 B
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 213 I
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 121 C
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class: 212 L
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Class: 312 P
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Waste Class: 261 P
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 331 L
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 331 I
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 221 I
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 312 B
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Waste Class: 243 D
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 261 B
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 146 T
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Detail(s)

Waste Class: 263 A
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Generator Info as of Dec 2024

Generator No: ON0490600
Generator Company Name: Queensway Carleton Hospital
Street: 3045 Baseline Road
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2H8P4

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Class: 331 I,121 C,112 C,145 C,261 T,312 P,212 H,252 L,148 B,261 A,263 A,221 A,221 I,251 L,243 D,146 T,212 L,213 I, 261 B

Waste Class Decoded:

331 - WASTE COMPRESSED GASES; 121 - ALKALINE WASTES - HEAVY METALS; 112 - ACID WASTE - HEAVY METALS; 145 - PAINT/PIGMENT/COATING RESIDUES; 261 - PHARMACEUTICALS; 312 - PATHOLOGICAL WASTES; 212 - ALIPHATIC SOLVENTS; 252 - WASTE OILS & LUBRICANTS; 148 - INORGANIC LABORATORY CHEMICALS; 261 - PHARMACEUTICALS; 263 - ORGANIC LABORATORY CHEMICALS; 221 - LIGHT FUELS; 221 - LIGHT FUELS; 251 - OIL SKIMMINGS & SLUDGES; 243 - PCBS; 146 - OTHER SPECIFIED INORGANICS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 261 - PHARMACEUTICALS

2017 Generator Info

Gen No:	ON0490600	***Choice of Contact:***	CO_OFFICIAL
ID:	4066	***Phone No Official:***	613-721-4700 Ext.1702
Contaminated Fac:	N	***Phone No Admin:***	613-721-4700 Ext.1700
MHSW Facility:	N	***County Ont:***	OTTAWA CARLTON (RM)
NAICS Code1:	622111	***County Out:***	
NAICS Code2:		***District:***	402
NAICS Code3:			

Gen Name:	QUEENSWAY-CARLETON HOSPITAL
Gen Div:	
Gen Op Name:	QUEENSWAY-CARLETON HOSPITAL
Gen Op Div:	
Site Adrs1:	3045 Baseline Road
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	Ottawa
Province Out:	
Site Postal Code:	K2H 8P4
Site Country:	Canada
Co Official:	Vince Borgia
Co Admin:	George Howarth

2017 Generator Manifest

ID:	16730	***Sum Received Qty:***	1617.8
Generator No:	ON0490600	***Waste Class Name:***	PATHOLOGICAL WASTES
Receiver Type:	035	***Count Manifests:***	3
Waste Char:	P	***District:***	305
Waste Code:	312		

2017 Generator Manifest

ID:	16731	***Sum Received Qty:***	1194.0
Generator No:	ON0490600	***Waste Class Name:***	WASTE OILS & LUBRICANTS
Receiver Type:	030	***Count Manifests:***	3
Waste Char:	L	***District:***	402
Waste Code:	252		

2017 Generator Manifest

ID:	16733	***Sum Received Qty:***	78309.4
Generator No:	ON0490600	***Waste Class Name:***	PATHOLOGICAL WASTES
Receiver Type:	030	***Count Manifests:***	195
Waste Char:	P	***District:***	402
Waste Code:	312		

2017 Generator Manifest

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

ID: 16735
Generator No: ON0490600
Receiver Type: 040
Waste Char: B
Waste Code: 148

Sum Received Qty: 150.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 4
District: 805

2017 Generator Manifest

ID: 16732
Generator No: ON0490600
Receiver Type: 030
Waste Char: B
Waste Code: 261

Sum Received Qty: 9596.58
Waste Class Name: PHARMACEUTICALS
Count Manifests: 123
District: 402

2017 Generator Manifest

ID: 16737
Generator No: ON0490600
Receiver Type: 040
Waste Char: H
Waste Code: 212

Sum Received Qty: 2812.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 10
District: 805

2017 Generator Manifest

ID: 16738
Generator No: ON0490600
Receiver Type: 040
Waste Char: A
Waste Code: 263

Sum Received Qty: 240.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2017 Generator Manifest

ID: 16739
Generator No: ON0490600
Receiver Type: 040
Waste Char: I
Waste Code: 263

Sum Received Qty: 240.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2017 Generator Manifest

ID: 16729
Generator No: ON0490600
Receiver Type: 035
Waste Char: B
Waste Code: 261

Sum Received Qty: 187.0
Waste Class Name: PHARMACEUTICALS
Count Manifests: 3
District: 305

2017 Generator Manifest

ID: 16734
Generator No: ON0490600
Receiver Type: 040
Waste Char: C
Waste Code: 112

Sum Received Qty: 8.0
Waste Class Name: ACID WASTE - HEAVY METALS
Count Manifests: 1
District: 805

2017 Generator Manifest

ID: 16736
Generator No: ON0490600
Receiver Type: 040

Sum Received Qty: 36.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 1

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Char:	C	**District:**	805
Waste Code:	148		

2018 Generator Info

Gen No:	ON0490600	**Choice of Contact:**	CO_OFFICIAL
ID:	3981	**Phone No Official:**	613-721-4700 Ext.1702
Contaminated Fac:	N	**Phone No Admin:**	613-721-4700 Ext.1700
MHSW Facility:	N	**County Ont:**	OTTAWA CARLTON (RM)
NAICS Code1:	622111	**County Out:**	
NAICS Code2:		**District:**	402
NAICS Code3:			
Gen Name:	QUEENSWAY-CARLETON HOSPITAL		
Gen Div:			
Gen Op Name:	QUEENSWAY-CARLETON HOSPITAL		
Gen Op Div:			
Site Adrs1:	3045 Baseline Road		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Ottawa		
Province Out:			
Site Postal Code:	K2H 8P4		
Site Country:	Canada		
Co Official:	Vince Borgia		
Co Admin:	Keith Sopha		

2018 Generator Manifest

ID:	16544	**Sum Received Qty:**	810.0
Generator No:	ON0490600	**Waste Class Name:**	WASTE OILS & LUBRICANTS
Receiver Type:	030	**Count Manifests:**	2
Waste Char:	L	**District:**	402
Waste Code:	252		

2018 Generator Manifest

ID:	16547	**Sum Received Qty:**	95580.22
Generator No:	ON0490600	**Waste Class Name:**	PATHOLOGICAL WASTES
Receiver Type:	030	**Count Manifests:**	183
Waste Char:	P	**District:**	402
Waste Code:	312		

2018 Generator Manifest

ID:	16549	**Sum Received Qty:**	615.0
Generator No:	ON0490600	**Waste Class Name:**	OTHER SPECIFIED INORGANICS
Receiver Type:	040	**Count Manifests:**	1
Waste Char:	T	**District:**	805
Waste Code:	146		

2018 Generator Manifest

ID:	16548	**Sum Received Qty:**	40.0
Generator No:	ON0490600	**Waste Class Name:**	ALKALINE WASTES - HEAVY METALS
Receiver Type:	040	**Count Manifests:**	1
Waste Char:	C	**District:**	805
Waste Code:	121		

2018 Generator Manifest

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

ID: 16554
Generator No: ON0490600
Receiver Type: 040
Waste Char: H
Waste Code: 263

Sum Received Qty: 160.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2018 Generator Manifest

ID: 16551
Generator No: ON0490600
Receiver Type: 040
Waste Char: H
Waste Code: 212

Sum Received Qty: 1680.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 6
District: 805

2018 Generator Manifest

ID: 16541
Generator No: ON0490600
Receiver Type: 035
Waste Char: B
Waste Code: 261

Sum Received Qty: 173.8
Waste Class Name: PHARMACEUTICALS
Count Manifests: 2
District: 305

2018 Generator Manifest

ID: 16546
Generator No: ON0490600
Receiver Type: 030
Waste Char: B
Waste Code: 261

Sum Received Qty: 10093.01
Waste Class Name: PHARMACEUTICALS
Count Manifests: 123
District: 402

2018 Generator Manifest

ID: 16545
Generator No: ON0490600
Receiver Type: 030
Waste Char: A
Waste Code: 261

Sum Received Qty: 19.0
Waste Class Name: PHARMACEUTICALS
Count Manifests: 1
District: 402

2018 Generator Manifest

ID: 16542
Generator No: ON0490600
Receiver Type: 035
Waste Char: P
Waste Code: 312

Sum Received Qty: 987.4
Waste Class Name: PATHOLOGICAL WASTES
Count Manifests: 2
District: 305

2018 Generator Manifest

ID: 16543
Generator No: ON0490600
Receiver Type: 030
Waste Char: L
Waste Code: 212

Sum Received Qty: 620.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 1
District: 402

2018 Generator Manifest

ID: 16550
Generator No: ON0490600
Receiver Type: 040

Sum Received Qty: 5.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 1

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Char: B
Waste Code: 148
District: 805

2018 Generator Manifest

ID: 16552
Generator No: ON0490600
Receiver Type: 040
Waste Char: A
Waste Code: 263
Sum Received Qty: 240.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2018 Generator Manifest

ID: 16553
Generator No: ON0490600
Receiver Type: 040
Waste Char: B
Waste Code: 263
Sum Received Qty: 480.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 2
District: 805

2019 Generator Info

Gen No: ON0490600
ID: 3878
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 622111
NAICS Code2:
NAICS Code3:
Choice of Contact: CO_OFFICIAL
Phone No Official: 613-721-4700 Ext.1702
Phone No Admin: 613-721-4700 Ext.1201
County Ont: OTTAWA CARLTON (RM)
County Out:
District: 402
Gen Name: QUEENSWAY-CARLETON HOSPITAL
Gen Div:
Gen Op Name: QUEENSWAY-CARLETON HOSPITAL
Gen Op Div:
Site Adrs1: 3045 Baseline Road
Site Bldg:
Site Pobox:
Province In: ONTARIO
Site Adrs2:
Site City: Ottawa
Province Out:
Site Postal Code: K2H 8P4
Site Country: Canada
Co Official: Vince Borgia
Co Admin: Dan Marlot

2019 Generator Manifest

ID: 16136
Generator No: ON0490600
Receiver Type: 035
Waste Char: P
Waste Code: 312
Sum Received Qty: 3810.0
Waste Class Name: PATHOLOGICAL WASTES
Count Manifests: 9
District: 305

2019 Generator Manifest

ID: 16142
Generator No: ON0490600
Receiver Type: 040
Waste Char: B
Waste Code: 148
Sum Received Qty: 169.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 6
District: 805

2019 Generator Manifest

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

ID: 16137
Generator No: ON0490600
Receiver Type: 030
Waste Char: L
Waste Code: 212

Sum Received Qty: 615.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 1
District: 402

2019 Generator Manifest

ID: 16145
Generator No: ON0490600
Receiver Type: 040
Waste Char: H
Waste Code: 212

Sum Received Qty: 2080.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 7
District: 805

2019 Generator Manifest

ID: 16139
Generator No: ON0490600
Receiver Type: 030
Waste Char: A
Waste Code: 261

Sum Received Qty: 10.0
Waste Class Name: PHARMACEUTICALS
Count Manifests: 1
District: 402

2019 Generator Manifest

ID: 16144
Generator No: ON0490600
Receiver Type: 040
Waste Char: I
Waste Code: 148

Sum Received Qty: 40.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2019 Generator Manifest

ID: 16140
Generator No: ON0490600
Receiver Type: 030
Waste Char: B
Waste Code: 261

Sum Received Qty: 21301.0
Waste Class Name: PHARMACEUTICALS
Count Manifests: 105
District: 402

2019 Generator Manifest

ID: 16143
Generator No: ON0490600
Receiver Type: 040
Waste Char: C
Waste Code: 148

Sum Received Qty: 140.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2019 Generator Manifest

ID: 16138
Generator No: ON0490600
Receiver Type: 030
Waste Char: L
Waste Code: 252

Sum Received Qty: 1210.0
Waste Class Name: WASTE OILS & LUBRICANTS
Count Manifests: 3
District: 402

2019 Generator Manifest

ID: 16147
Generator No: ON0490600
Receiver Type: 040

Sum Received Qty: 320.0
Waste Class Name: PETROLEUM DISTILLATES
Count Manifests: 1

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Char: I
Waste Code: 213
District: 805

2019 Generator Manifest

ID: 16150
Generator No: ON0490600
Receiver Type: 040
Waste Char: P
Waste Code: 263
Sum Received Qty: 220.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2019 Generator Manifest

ID: 16146
Generator No: ON0490600
Receiver Type: 040
Waste Char: L
Waste Code: 212
Sum Received Qty: 410.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 1
District: 805

2019 Generator Manifest

ID: 16148
Generator No: ON0490600
Receiver Type: 040
Waste Char: C
Waste Code: 263
Sum Received Qty: 80.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2019 Generator Manifest

ID: 16135
Generator No: ON0490600
Receiver Type: 035
Waste Char: B
Waste Code: 261
Sum Received Qty: 365.0
Waste Class Name: PHARMACEUTICALS
Count Manifests: 4
District: 305

2019 Generator Manifest

ID: 16141
Generator No: ON0490600
Receiver Type: 030
Waste Char: P
Waste Code: 312
Sum Received Qty: 88467.0
Waste Class Name: PATHOLOGICAL WASTES
Count Manifests: 182
District: 402

2019 Generator Manifest

ID: 16149
Generator No: ON0490600
Receiver Type: 040
Waste Char: I
Waste Code: 263
Sum Received Qty: 320.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2020 Generator Info

Gen No: ON0490600
ID: 3767
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 622111
NAICS Code2:
NAICS Code3:
Choice of Contact: CO_OFFICIAL
Phone No Official: 613-721-4700 Ext.1702
Phone No Admin: 613-721-4700 Ext.1201
County Ont: OTTAWA CARLTON (RM)
County Out:
District: 402

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Gen Name:	QUEENSWAY-CARLETON HOSPITAL
Gen Div:	
Gen Op Name:	QUEENSWAY-CARLETON HOSPITAL
Gen Op Div:	
Site Adrs1:	3045 Baseline Road
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	Ottawa
Province Out:	
Site Postal Code:	K2H 8P4
Site Country:	Canada
Co Official:	Vince Borgia
Co Admin:	Dan Marlot

2020 Generator Manifest

ID:	14570	***Sum Received Qty:***	10.0
Generator No:	ON0490600	***Waste Class Name:***	ALKALINE WASTES - HEAVY METALS
Receiver Type:	040	***Count Manifests:***	1
Waste Char:	C	***District:***	805
Waste Code:	121		

2020 Generator Manifest

ID:	14571	***Sum Received Qty:***	803.0
Generator No:	ON0490600	***Waste Class Name:***	OTHER SPECIFIED INORGANICS
Receiver Type:	040	***Count Manifests:***	4
Waste Char:	T	***District:***	805
Waste Code:	146		

2020 Generator Manifest

ID:	14564	***Sum Received Qty:***	772.12
Generator No:	ON0490600	***Waste Class Name:***	PHARMACEUTICALS
Receiver Type:	035	***Count Manifests:***	9
Waste Char:	B	***District:***	305
Waste Code:	261		

2020 Generator Manifest

ID:	14569	***Sum Received Qty:***	261.0
Generator No:	ON0490600	***Waste Class Name:***	ACID WASTE - HEAVY METALS
Receiver Type:	040	***Count Manifests:***	2
Waste Char:	C	***District:***	805
Waste Code:	112		

2020 Generator Manifest

ID:	14573	***Sum Received Qty:***	580.0
Generator No:	ON0490600	***Waste Class Name:***	ALIPHATIC SOLVENTS
Receiver Type:	040	***Count Manifests:***	2
Waste Char:	H	***District:***	805
Waste Code:	212		

2020 Generator Manifest

ID:	14565	***Sum Received Qty:***	11799.3
Generator No:	ON0490600	***Waste Class Name:***	PATHOLOGICAL WASTES
Receiver Type:	035	***Count Manifests:***	32

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Char: P
Waste Code: 312
District: 305

2020 Generator Manifest

ID: 14572
Generator No: ON0490600
Receiver Type: 040
Waste Char: I
Waste Code: 148
Sum Received Qty: 5.0
Waste Class Name: INORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2020 Generator Manifest

ID: 14567
Generator No: ON0490600
Receiver Type: 030
Waste Char: B
Waste Code: 261
Sum Received Qty: 5659.9
Waste Class Name: PHARMACEUTICALS
Count Manifests: 63
District: 402

2020 Generator Manifest

ID: 14568
Generator No: ON0490600
Receiver Type: 030
Waste Char: P
Waste Code: 312
Sum Received Qty: 63094.41
Waste Class Name: PATHOLOGICAL WASTES
Count Manifests: 154
District: 402

2020 Generator Manifest

ID: 14574
Generator No: ON0490600
Receiver Type: 040
Waste Char: I
Waste Code: 212
Sum Received Qty: 15.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 1
District: 805

2020 Generator Manifest

ID: 14576
Generator No: ON0490600
Receiver Type: 040
Waste Char: B
Waste Code: 263
Sum Received Qty: 1.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2020 Generator Manifest

ID: 14577
Generator No: ON0490600
Receiver Type: 040
Waste Char: C
Waste Code: 263
Sum Received Qty: 2262.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 11
District: 805

2020 Generator Manifest

ID: 14578
Generator No: ON0490600
Receiver Type: 040
Waste Char: I
Waste Code: 263
Sum Received Qty: 433.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 5
District: 805

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

2020 Generator Manifest

ID:	14579	***Sum Received Qty:***	1.0
Generator No:	ON0490600	***Waste Class Name:***	ORGANIC LABORATORY CHEMICALS
Receiver Type:	040	***Count Manifests:***	1
Waste Char:	T	***District:***	805
Waste Code:	263		

2020 Generator Manifest

ID:	14563	***Sum Received Qty:***	10.5
Generator No:	ON0490600	***Waste Class Name:***	PHARMACEUTICALS
Receiver Type:	035	***Count Manifests:***	1
Waste Char:	A	***District:***	305
Waste Code:	261		

2020 Generator Manifest

ID:	14566	***Sum Received Qty:***	1598.0
Generator No:	ON0490600	***Waste Class Name:***	WASTE OILS & LUBRICANTS
Receiver Type:	030	***Count Manifests:***	4
Waste Char:	L	***District:***	402
Waste Code:	252		

2020 Generator Manifest

ID:	14575	***Sum Received Qty:***	75.0
Generator No:	ON0490600	***Waste Class Name:***	PHARMACEUTICALS
Receiver Type:	040	***Count Manifests:***	1
Waste Char:	A	***District:***	805
Waste Code:	261		

2020 Generator Manifest

ID:	14580	***Sum Received Qty:***	6.0
Generator No:	ON0490600	***Waste Class Name:***	WASTE COMPRESSED GASES
Receiver Type:	040	***Count Manifests:***	2
Waste Char:	I	***District:***	805
Waste Code:	331		

2021 Generator Info

Gen No:	ON0490600	***Choice of Contact:***	CO_OFFICIAL
ID:	3690	***Phone No Official:***	613-721-4700 Ext.1702
Contaminated Fac:	N	***Phone No Admin:***	613-721-4700 Ext.1201
MHSW Facility:	N	***County Ont:***	OTTAWA CARLTON (RM)
NAICS Code1:	622111	***County Out:***	
NAICS Code2:		***District:***	402
NAICS Code3:			

Gen Name:	QUEENSWAY-CARLETON HOSPITAL
Gen Div:	
Gen Op Name:	QUEENSWAY-CARLETON HOSPITAL
Gen Op Div:	
Site Adrs1:	3045 Baseline Road
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	Ottawa
Province Out:	
Site Postal Code:	K2H 8P4
Site Country:	Canada

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Co Official: Vince Borgia
Co Admin: Dan Marlot

2021 Generator Manifest

ID: 14772
Generator No: ON0490600
Receiver Type: 035
Waste Char: A
Waste Code: 261
Sum Received Qty: 137.8
Waste Class Name: PHARMACEUTICALS
Count Manifests: 2
District: 305

2021 Generator Manifest

ID: 14784
Generator No: ON0490600
Receiver Type: 040
Waste Char: L
Waste Code: 263
Sum Received Qty: 180.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 1
District: 805

2021 Generator Manifest

ID: 14785
Generator No: ON0490600
Receiver Type: 040
Waste Char: H
Waste Code: 331
Sum Received Qty: 2.0
Waste Class Name: WASTE COMPRESSED GASES
Count Manifests: 1
District: 805

2021 Generator Manifest

ID: 14775
Generator No: ON0490600
Receiver Type: 030
Waste Char: L
Waste Code: 252
Sum Received Qty: 867.0
Waste Class Name: WASTE OILS & LUBRICANTS
Count Manifests: 2
District: 402

2021 Generator Manifest

ID: 14778
Generator No: ON0490600
Receiver Type: 030
Waste Char: P
Waste Code: 312
Sum Received Qty: 78898.15
Waste Class Name: PATHOLOGICAL WASTES
Count Manifests: 195
District: 402

2021 Generator Manifest

ID: 14779
Generator No: ON0490600
Receiver Type: 040
Waste Char: C
Waste Code: 112
Sum Received Qty: 20.0
Waste Class Name: ACID WASTE - HEAVY METALS
Count Manifests: 2
District: 805

2021 Generator Manifest

ID: 14782
Generator No: ON0490600
Receiver Type: 040
Waste Char: C
Waste Code: 263
Sum Received Qty: 2005.0
Waste Class Name: ORGANIC LABORATORY CHEMICALS
Count Manifests: 10
District: 805

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

2021 Generator Manifest

ID:	14783	***Sum Received Qty:***	10.0
Generator No:	ON0490600	***Waste Class Name:***	ORGANIC LABORATORY CHEMICALS
Receiver Type:	040	***Count Manifests:***	1
Waste Char:	I	***District:***	805
Waste Code:	263		

2021 Generator Manifest

ID:	14787	***Sum Received Qty:***	10.0
Generator No:	ON0490600	***Waste Class Name:***	WASTE COMPRESSED GASES
Receiver Type:	040	***Count Manifests:***	1
Waste Char:	L	***District:***	805
Waste Code:	331		

2021 Generator Manifest

ID:	14774	***Sum Received Qty:***	2076.1
Generator No:	ON0490600	***Waste Class Name:***	PATHOLOGICAL WASTES
Receiver Type:	035	***Count Manifests:***	5
Waste Char:	P	***District:***	305
Waste Code:	312		

2021 Generator Manifest

ID:	14786	***Sum Received Qty:***	6.0
Generator No:	ON0490600	***Waste Class Name:***	WASTE COMPRESSED GASES
Receiver Type:	040	***Count Manifests:***	2
Waste Char:	I	***District:***	805
Waste Code:	331		

2021 Generator Manifest

ID:	14776	***Sum Received Qty:***	7553.37
Generator No:	ON0490600	***Waste Class Name:***	PHARMACEUTICALS
Receiver Type:	030	***Count Manifests:***	59
Waste Char:	A	***District:***	402
Waste Code:	261		

2021 Generator Manifest

ID:	14780	***Sum Received Qty:***	70.0
Generator No:	ON0490600	***Waste Class Name:***	ALKALINE WASTES - HEAVY METALS
Receiver Type:	040	***Count Manifests:***	5
Waste Char:	C	***District:***	805
Waste Code:	121		

2021 Generator Manifest

ID:	14773	***Sum Received Qty:***	114.0
Generator No:	ON0490600	***Waste Class Name:***	PHARMACEUTICALS
Receiver Type:	035	***Count Manifests:***	1
Waste Char:	B	***District:***	305
Waste Code:	261		

2021 Generator Manifest

ID:	14777	***Sum Received Qty:***	1415.88
Generator No:	ON0490600	***Waste Class Name:***	PHARMACEUTICALS

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

Receiver Type:	030	**Count Manifests:**	10
Waste Char:	B	**District:**	402
Waste Code:	261		

2021 Generator Manifest

ID:	14781	**Sum Received Qty:**	100.0
Generator No:	ON0490600	**Waste Class Name:**	ALIPHATIC SOLVENTS
Receiver Type:	040	**Count Manifests:**	1
Waste Char:	L	**District:**	805
Waste Code:	212		

3 ***1 of 1*** ***ESE/0.0*** ***79.9 / 6.39*** ***ON*** ***BORE***

Borehole ID:	610765	**Inclin FLG:**	No
OGF ID:	215512276	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	MAY-1972	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.335543
Total Depth m:	11.1	**Longitude DD:**	-75.806206
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436831
Drill Method:		**Northing:**	5020542
Orig Ground Elev m:	78	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	78.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386438	**Mat Consistency:**	Soft
Top Depth:	4.6	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. GREY,SOFT.		

Geology Stratum ID:	218386441	**Mat Consistency:**	Dense
Top Depth:	8.4	**Material Moisture:**	
Bottom Depth:	9.3	**Material Texture:**	Fine
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,CLAY-VERY FINE TO FINE. DENSE.		

Geology Stratum ID:	218386436	**Mat Consistency:**	Hard
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.4	**Material Texture:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY,HARD,FISSURED.

Geology Stratum ID:	218386439	**Mat Consistency:**	Soft
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	7.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SILT,SAND. SOFT.

Geology Stratum ID:	218386440	**Mat Consistency:**	
Top Depth:	7.6	**Material Moisture:**	
Bottom Depth:	8.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SILT,SAND.

Geology Stratum ID:	218386442	**Mat Consistency:**	Dense
Top Depth:	9.3	**Material Moisture:**	
Bottom Depth:	11.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL, SAND. DENSE. 00000 020 00080 035 00150 035 00200 030 00250 030 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218386437	**Mat Consistency:**	Stiff
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	4.6	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY,VERY STIFF, FISSURED.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 032730 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Source List

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

4	***1 of 1***	***W/0.0***	***73.9 / 0.46***	***lot 16 con 2 ON***	***WWIS***

Well ID:	1504027	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	11/21/1952
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3718
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	016
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	OF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504027.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/10/1952
Year Completed:	1952
Depth (m):	25.908
Latitude:	45.336593927217
Longitude:	-75.8101138454788
X:	-75.8101136837994
Y:	45.33659392055957
Path:	150\1504027.pdf

Bore Hole Information

Bore Hole ID:	10026070	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	436525.60
Code OB Desc:		***North83:***	5020662.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/10/1952	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998186
Layer: 3
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998184
Layer: 1
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 12
Material 3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998185
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504027
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Pipe ID: 10574640
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044872
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044871
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 19.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504027
Pump Set At:
Static Level: 22.0
Final Level After Pumping: 40.0
Recommended Pump Depth:
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933457079
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Water Details

Water ID: 933457080

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

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5 | **1 of 40** | **S/0.0** | **78.5 / 5.00** | **QUEENSWAY CARLETON GENERAL HOSPITAL**
3045 BASELINE RD.
NEPEAN CITY ON K2H 8P4 | **CA**

Certificate #: 8-4035-87-
Application Year: 87
Issue Date: 6/5/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: BOILER
Contaminants: Nitrogen Oxides
Emission Control: No Controls

---

5 | **2 of 40** | **S/0.0** | **78.5 / 5.00** | **QUEENSWAY CARLETON HOSPITAL**
3045 BASELINE RD.
NEPEAN CITY ON K2H 8P4 | **CA**

Certificate #: 8-4027-87-
Application Year: 87
Issue Date: 8/10/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: BIOMEDICAL INCINERATOR
Contaminants: Nitrogen Oxides, Hydrogen Chloride, Suspended Particulate Matter
Emission Control: No Controls

---

5 | **3 of 40** | **S/0.0** | **78.5 / 5.00** | **3045 Baseline Road**
Nepean ON K2H 8P4 | **CA**

Certificate #:
Application Year: 01
Issue Date: 8/28/01
Approval Type: Industrial air
Status: Cancelled
Application Type: New Certificate of Approval
Client Name: Queensway Carleton Corporation
Client Address: 3045
Client City: Nepean
Client Postal Code: K2H 8P4
Project Description: This application is for a Certificate of Approval for the following: one (1) radiology exhaust system, one (1) scavenging Exhaust system, one (1) Med Vac System, two (2) generators and one (1) cooling tower.
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	4 of 40	S/0.0	78.5 / 5.00	3045 Baseline Road Nepean ON K2H 8P4	CA

Certificate #: 6945-5CRRY2
Application Year: 02
Issue Date: 8/7/02
Approval Type: Industrial air
Status: Approved
Application Type: Amended CofA
Client Name: Queensway Carleton Corporation
Client Address: 3045 Baseline Road
Client City: Nepean
Client Postal Code: K2H 8P4
Project Description: This application is for a Certificate of Approval for the following: one (1) radiology exhaust system, one (1) scavenging Exhaust system, one (1) Med Vac System, two (2) generators and one (1) cooling tower.
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	5 of 40	S/0.0	78.5 / 5.00	QUEENSWAY CARLETON HOSPITAL 3045 BASELINE ROAD NEPEAN ON K2H 8P4	GEN

Generator Info

Generator No: ON0490600
Approval Years: 86,87,88
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: GENERAL HOSPITALS
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 8611

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	6 of 40	S/0.0	78.5 / 5.00	QUEENSWAY CARLETON HOSPITAL 3045 BASELINE ROAD NEPEAN ON K2H 8P4	GEN

Generator Info

Generator No: ON0490600
Approval Years: 89,97,98
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: GENERAL HOSPITALS
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 8611

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

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

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5 | ***7 of 40*** | ***S/0.0*** | ***78.5 / 5.00*** | ***QUEENSWAY CARLETON HOSPITAL 32-049***
3045 BASELINE ROAD
NEPEAN ON K2H 8P4 | ***GEN***

Generator Info

Generator No: ON0490600
Approval Years: 92,93,94,95,96
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: GENERAL HOSPITALS

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 8611

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

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5 | ***8 of 40*** | ***S/0.0*** | ***78.5 / 5.00*** | ***QUEENSWAY-CARLETON HOSPITAL***
3045 BASELINE ROAD
NEPEAN ON K2H 8P4 | ***GEN***

Generator Info

Generator No: ON0490600
Approval Years: 99,00,01,02,03,04,05,06,07,08
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: GENERAL HOSPITALS

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 8611

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCB'S

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

5	***9 of 40***	***S/0.0***	***78.5 / 5.00***	***Queensway Carleton Corporation 3045 Baseline Road Ottawa Ontario K2H 8P4 Ottawa ON***	***EBR***

EBR Registry No: IA04E0137
Ministry Ref No: 4297-5VLPHF
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 05, 2015
Proposal Date: January 28, 2004
Year: 2004
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Off Instrument Name:
Posted By:
Company Name: Queensway Carleton Corporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 3045 Baseline Road, Nepean Ontario, K2H 8P4
Comment Period:
URL:
Summary:

Site Location Details:

3045 Baseline Road Ottawa Ontario K2H 8P4 Ottawa

5	10 of 40	S/0.0	78.5 / 5.00	**3045 Baseline Rd** **Ottawa ON**	EHS

Order No: 20090804013
Status: C
Report Type: Custom Report
Report Date: 8/11/2009
Date Received: 8/4/2009
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.807776
Y: 45.33313

5	11 of 40	S/0.0	78.5 / 5.00	**Queensway-Carleton Hospital** **3045 Baseline Rd** **Ottawa ON**	CA

Certificate #: 0443-7GEP2Q
Application Year: 2008
Issue Date: 7/11/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

5	12 of 40	S/0.0	78.5 / 5.00	**Queensway-Carleton Hospital** **3045 Baseline Rd** **Ottawa ON**	CA

Certificate #: 2286-744GXU
Application Year: 2007
Issue Date: 12/18/2007
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Project Description: **Contaminants:** **Emission Control:**	
5	13 of 40	S/0.0	78.5 / 5.00	**Queensway-Carleton Hospital** **3045 Baseline Rd** **Ottawa ON**	CA
				Certificate #: 4111-7HWNDP **Application Year:** 2008 **Issue Date:** 8/28/2008 **Approval Type:** Municipal and Private Sewage Works **Status:** Approved **Application Type:** **Client Name:** **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**	
5	14 of 40	S/0.0	78.5 / 5.00	**Queensway-Carleton Hospital** **3045 Baseline Rd** **Ottawa ON**	CA
				Certificate #: 6601-8B8MMR **Application Year:** 2010 **Issue Date:** 11/30/2010 **Approval Type:** Industrial Sewage Works **Status:** Approved **Application Type:** **Client Name:** **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**	
5	15 of 40	S/0.0	78.5 / 5.00	**Queensway-Carleton Hospital** **3045 Baseline Rd** **Ottawa ON**	CA
				Certificate #: 7898-7DGJUK **Application Year:** 2008 **Issue Date:** 4/18/2008 **Approval Type:** Industrial Sewage Works **Status:** Revoked and/or Replaced **Application Type:** **Client Name:** **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	16 of 40	S/0.0	78.5 / 5.00	Queensway-Carleton Hospital 3045 Baseline Road Ottawa K2H 8P4 CITY OF OTTAWA ON	EBR

EBR Registry No: 011-2649
Ministry Ref No: 0039-8DUM68
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 25, 2018
Proposal Date: March 02, 2011
Year: 2011
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Instrument Type: Environmental Compliance Approval (project type: air) - EPA Part II.1-air
Off Instrument Name:
Posted By:
Company Name: Queensway-Carleton Hospital(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Site Address:
Location Other:
Proponent Name: Queensway-Carleton Hospital
Proponent Address: 3045 Baseline Road Ottawa Ontario Canada K2H 8P4
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTEyMzYy&statusId=MjA3Mjgz&language=en
Summary:

Site Location Details:

3045 Baseline Road

Ottawa K2H 8P4
CITY OF OTTAWA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	17 of 40	S/0.0	78.5 / 5.00	QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Ottawa ON	GEN

Generator Info

Generator No: ON0490600
Approval Years: 2009
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: General (except Paediatric) Hospitals
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 622111

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

5	***18 of 40***	***S/0.0***	***78.5 / 5.00***	***QUEENSWAY-CARLETON HOSPITAL*** ***3045 Baseline Road*** ***Ottawa ON***	***GEN***

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Generator Info

Generator No:	ON0490600	***Choice of Contact:***	
Approval Years:	2010	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	622111
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	General (except Paediatric) Hospitals		

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

5	***19 of 40***	***S/0.0***	***78.5 / 5.00***	***QUEENSWAY-CARLETON HOSPITAL*** ***3045 Baseline Road*** ***Ottawa ON***	***GEN***

Generator Info

Generator No: ON0490600
Approval Years: 2011
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: General (except Paediatric) Hospitals

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 622111

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	20 of 40	S/0.0	78.5 / 5.00	QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Ottawa ON	GEN

Generator Info

Generator No:	ON0490600	***Choice of Contact:***	
Approval Years:	2012	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	622111
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	General (except Paediatric) Hospitals		

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

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

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	21 of 40	S/0.0	78.5 / 5.00	QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Ottawa ON	GEN

Generator Info

Generator No: ON0490600
Approval Years: 2013
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

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

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 331

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

Waste Class Name: WASTE COMPRESSED GASES

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5 | **22 of 40** | **S/0.0** | **78.5 / 5.00** | **MODERN NIAGARA OTTAWA INC**
3045 BASELINE RD
NEPEAN ON | **CFOT**

Inventory No: 63972271
Inventory Status: Active
Installation Year: 2008
Capacity: 20000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:

Tank Material: Fiberglass (FRP)
Corrosion Protect: Fiberglass
Overfill Protection:
Inventory Context: FS Fuel Oil Tank
Inventory Item: FS FUEL OIL TANK

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5 | **23 of 40** | **S/0.0** | **78.5 / 5.00** | **3045 Baseline Rd**
Ottawa ON K2H 8P4 | **SPL**

Ref No: 8415-9JWL5A
Year:
Incident Dt: 2014/05/08
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/05/08
Dt Document Closed: 2014/11/07

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Site No: 1714-4RCSNN
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth: 1-10 metres eg. Good Quality GPS
Site District Office:
Nearest Watercourse:
Site Name: 3045 Baseline Road
Site Address: 3045 Baseline Rd
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu: Survey
Site Map Datum: NAD83
Northing: 5020275
Easting: 436643
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: Unknown / N/A
Incident Preceding Spill:
Incident Reason: Unknown / N/A
Incident Summary: Queensway Carlton Hospital: R134A to atm.
Environment Impact: Confirmed
Health Env Consequence:
Nature of Impact: Air Pollution
Contaminant Qty: 0 other - see incident description
Contaminant Qty 1: 0
Contaminant Unit: other - see incident description
Contaminant Code: 38
Contaminant Name: FREON R-134A (CFC)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:

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

Property Tertiary Watershed:	
Sector Type:	Other
SAC Action Class:	Air Spills - Gases and Vapours
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	24 of 40	S/0.0	78.5 / 5.00	Waste Management of Canada Ltd. 3045 Baseline Rd Ottawa ON K2H 8P4	SPL

Ref No:	0388-9Y8LUW	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	7/8/2015	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	7/8/2015	**Impact to Health:**	
Dt Document Closed:	7/10/2015	**Agency Involved:**	

Site No:	1335-7FRQXS
MOE Response:	No
Site County/District:	
Site Geo Ref Meth:	NA
Site District Office:	
Nearest Watercourse:	
Site Name:	Queensway-Carleton Hospital
Site Address:	3045 Baseline Rd
Site Region:	
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	NA
Site Map Datum:	NA
Northing:	NA
Easting:	NA
Entity Operating Name:	
Client Name:	Waste Management of Canada Ltd.
Client Type:	
Source Type:	
Incident Cause:	
Incident Preceding Spill:	
Incident Reason:	Equipment Failure
Incident Summary:	Waste Mngmt: ~ 4L hyd oil to c/b; cntd & clng
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	4 L
Contaminant Qty 1:	4
Contaminant Unit:	L
Contaminant Code:	15
Contaminant Name:	HYDRAULIC OIL
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Miscellaneous Industrial
SAC Action Class:	Watercourse Spills
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	25 of 40	S/0.0	78.5 / 5.00	Queensway-Carleton Hospital 3045 Baseline Rd Ottawa ON K2H 8P4	ECA

Approval No: 2286-744GXU
Approval Date: 2007-12-18
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Queensway-Carleton Hospital
Address: 3045 Baseline Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2080-6W7RUT-14.pdf
PDF Site Location:
MOE District: Ottawa
City:
Longitude: -75.78955
Latitude: 45.34174
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	26 of 40	S/0.0	78.5 / 5.00	Queensway-Carleton Hospital 3045 Baseline Rd Ottawa ON K2H 8P4	ECA

Approval No: 0443-7GEP2Q
Approval Date: 2008-07-11
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Queensway-Carleton Hospital
Address: 3045 Baseline Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3879-7FRQX2-14.pdf
PDF Site Location:
MOE District: Ottawa
City:
Longitude: -75.78955
Latitude: 45.34174
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	27 of 40	S/0.0	78.5 / 5.00	Queensway-Carleton Hospital 3045 Baseline Rd Ottawa ON K2H 8P4	ECA

Approval No: 7898-7DGJUK
Approval Date: 2008-04-18
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Queensway-Carleton Hospital
Address: 3045 Baseline Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3876-7D9QJQ-14.pdf
PDF Site Location:
MOE District: Ottawa
City:
Longitude: -75.78955
Latitude: 45.34174
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	28 of 40	S/0.0	78.5 / 5.00	Queensway Carleton Corporation 3045 Baseline Road Ottawa ON K2H 8P4	ECA

Approval No: 6945-5CRRY2
Approval Date: 2002-08-07
MOE District: Ottawa
City:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Queensway Carleton Corporation
Address: 3045 Baseline Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0209-52RR4J-14.pdf
PDF Site Location:
Longitude: -75.78955
Latitude: 45.34174
Geometry X:
Geometry Y:

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5 | **29 of 40** | **S/0.0** | **78.5 / 5.00** | **Queensway-Carleton Hospital**
3045 Baseline Rd
Ottawa ON K2H 8P4 | **ECA**

Approval No: 6601-8B8MMR
Approval Date: 2010-11-30
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Queensway-Carleton Hospital
Address: 3045 Baseline Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1892-89LP5T-14.pdf
PDF Site Location:
MOE District: Ottawa
City:
Longitude: -75.78955
Latitude: 45.34174
Geometry X:
Geometry Y:

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5 | **30 of 40** | **S/0.0** | **78.5 / 5.00** | **Queensway-Carleton Hospital**
3045 Baseline Rd
Ottawa ON K2H 8P4 | **ECA**

Approval No: 4111-7HWNDP
Approval Date: 2008-08-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Queensway-Carleton Hospital
Address: 3045 Baseline Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6695-7HQQHR-14.pdf
PDF Site Location:
MOE District: Ottawa
City:
Longitude: -75.78955
Latitude: 45.34174
Geometry X:
Geometry Y:

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5 | **31 of 40** | **S/0.0** | **78.5 / 5.00** | **QUEENSWAY-CARLETON HOSPITAL**
3045 Baseline Road
Ottawa ON K2H 8P4 | **GEN**

Generator Info

Generator No: ON0490600
Approval Years: 2016
Status:
PO Box No:
Choice of Contact: CO_OFFICIAL
Contaminated Fac: No
MHSW Facility: No
SIC Code: 622111

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Country: Canada
Co Admin: John Martin
Phone No Admin: 613-721-2000 Ext.1351
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

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

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	32 of 40	S/0.0	78.5 / 5.00	QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Ottawa ON k2h 8p4	GEN

Generator Info

Generator No:	ON0490600	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2015	**Contaminated Fac:**	No
Status:		**MHSW Facility:**	No
PO Box No:		**SIC Code:**	622111
Country:	Canada		

Co Admin: John Martin
Phone No Admin: 613-721-2000 Ext.1351
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

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

5	***33 of 40***	***S/0.0***	***78.5 / 5.00***	***QUEENSWAY-CARLETON HOSPITAL*** ***3045 Baseline Road*** ***Ottawa ON k2h 8p4***	***GEN***

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Generator Info

Generator No:	ON0490600	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2014	***Contaminated Fac:***	No
Status:		***MHSW Facility:***	No
PO Box No:		***SIC Code:***	622111
Country:	Canada		
Co Admin:	Dave Millan		
Phone No Admin:	613-721-2000 Ext.1305		
SIC Description:	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS		

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 261
Waste Class Name: PHARMACEUTICALS

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

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

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Waste Detail(s)

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

5	***34 of 40***	***S/0.0***	***78.5 / 5.00***	***QUEENSWAY-CARLETON HOSPITAL*** ***3045 Baseline Road*** ***Ottawa ON K2H 8P4***	***GEN***

Generator Info

Generator No: ON0490600
Approval Years: As of Dec 2018
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 312 B
Waste Class Name: Pathological wastes

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 312 P
Waste Class Name: Pathological wastes

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Detail(s)

Waste Class: 221 A
Waste Class Name: Light fuels

Waste Detail(s)

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Detail(s)

Waste Class: 243 D
Waste Class Name: PCB

Waste Detail(s)

Waste Class: 145 C
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

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

Waste Class: 121 C
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Detail(s)

Waste Class: 263 P
Waste Class Name: Misc. waste organic chemicals

Waste Detail(s)

Waste Class: 148 P
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

Waste Class: 212 H
Waste Class Name: Aliphatic solvents and residues

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 261 A
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 261 B
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 261 P
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 261 T
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 148 B
Waste Class Name: Misc. wastes and inorganic chemicals

5	***35 of 40***	***S/0.0***	***78.5 / 5.00***	***Johnson Controls Limited*** ***3045 Baseline Rd***	***SPL***

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Ottawa ON K2H 8P4

Ref No:	4271-ALTSMX	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	4/26/2017	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	4/27/2017	**Impact to Health:**	2 - Minor Environment
Dt Document Closed:		**Agency Involved:**	

Site No:	K2H 8P4
MOE Response:	
Site County/District:	NA
Site Geo Ref Meth:	NA
Site District Office:	Ottawa
Nearest Watercourse:	
Site Name:	Queensway-Carleton Hospital
Site Address:	3045 Baseline Rd
Site Region:	Eastern
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	NA
Site Geo Ref Accu:	NA
Site Map Datum:	NA
Northing:	NA
Easting:	NA
Entity Operating Name:	
Client Name:	Johnson Controls Limited
Client Type:	Corporation
Source Type:	Other
Incident Cause:	
Incident Preceding Spill:	Leak/Break
Incident Reason:	Equipment Failure
Incident Summary:	Johnson Controls: over 100 kg of R 134-A released to atm
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	0 other - see incident description
Contaminant Qty 1:	0
Contaminant Unit:	other - see incident description
Contaminant Code:	38
Contaminant Name:	FREON R-134A (CFC)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	n/a
Receiving Medium:	Air
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Miscellaneous Communal
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	36 of 40	S/0.0	78.5 / 5.00	Queensway-Carleton Hospital 3045 Baseline Rd Ottawa ON K2H 8P4	ECA

Approval No:	2092-B3EHNW	**MOE District:**	Ottawa
Approval Date:	2018-08-08	**City:**	
Status:	Approved	**Longitude:**	-75.78955
Record Type:	ECA	**Latitude:**	45.34174
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Queensway-Carleton Hospital
Address: 3045 Baseline Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3313-AYMPV8-13.pdf
PDF Site Location:

5	*37 of 40*	*S/0.0*	*78.5 / 5.00*	***OTTAWA GREENBELT CONSTRUCTION COMPANY LIMITED*** ***3045 Baseline Road, east of Cedarview Rd. to Valley Stream Dr.*** ***Ottawa ON K2H 8P4***	*EASR*

Approval No: R-009-4111124625
Status: REGISTERED
Date: 2019-03-22
Record Type: EASR
Link Source: MOFA
Project Type: Water Taking - Construction Dewatering
Full Address:
Approval Type: EASR-Water Taking - Construction Dewatering
SWP Area Name: Rideau Valley
PDF NAICS Code:
PDF URL:
PDF Site Location:

MOE District: Ottawa
Municipality: Ottawa
Latitude: 45.34
Longitude: -75.79305556
Geometry X:
Geometry Y:

5	*38 of 40*	*S/0.0*	*78.5 / 5.00*	***QUEENSWAY-CARLETON HOSPITAL*** ***3045 Baseline Road*** ***Ottawa ON K2H 8P4***	*GEN*

Generator Info

Generator No: ON0490600
Approval Years: As of Jul 2020
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Detail(s)

Waste Class: 148 B
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

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

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Detail(s)

Waste Class: 121 C
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Detail(s)

Waste Class: 261 P
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Waste Detail(s)

Waste Class: 261 T
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 148 P
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 261 B
Waste Class Name: Pharmaceuticals

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Detail(s)

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

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

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

Waste Detail(s)

Waste Class: 312 B
Waste Class Name: Pathological wastes

Waste Detail(s)

Waste Class: 145 C
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Detail(s)

Waste Class: 212 H
Waste Class Name: Aliphatic solvents and residues

Waste Detail(s)

Waste Class: 263 P
Waste Class Name: Misc. waste organic chemicals

Waste Detail(s)

Waste Class: 221 A
Waste Class Name: Light fuels

Waste Detail(s)

Waste Class: 312 P
Waste Class Name: Pathological wastes

Waste Detail(s)

Waste Class: 261 A
Waste Class Name: Pharmaceuticals

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 243 D
Waste Class Name: PCB

5	***39 of 40***	***S/0.0***	***78.5 / 5.00***	***Queensway-Carleton Hospital*** ***3045 Baseline Rd***	***SPL***

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Ottawa ON K2H 8P4	

Ref No:	2758-BKPL49	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	2020/01/09	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	2020/01/10	**Impact to Health:**	2 - Minor Environment
Dt Document Closed:		**Agency Involved:**	

Site No:	1335-7FRQXS
MOE Response:	No
Site County/District:	NA
Site Geo Ref Meth:	NA
Site District Office:	Ottawa
Nearest Watercourse:	
Site Name:	Queensway-Carleton Hospital
Site Address:	3045 Baseline Rd
Site Region:	Eastern
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	NA
Site Geo Ref Accu:	NA
Site Map Datum:	NA
Northing:	NA
Easting:	NA
Entity Operating Name:	
Client Name:	Queensway-Carleton Hospital
Client Type:	Corporation
Source Type:	Other
Incident Cause:	
Incident Preceding Spill:	Leak/Break
Incident Reason:	Equipment Failure
Incident Summary:	Queensway Carleton Hospital: R134A lost to atm, leak from chiller
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	308 kg
Contaminant Qty 1:	308
Contaminant Unit:	kg
Contaminant Code:	38
Contaminant Name:	REFRIGERANT GAS, N.O.S.
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	1078
Receiving Medium:	Air
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Unknown / N/A
SAC Action Class:	Air Spills - Gases and Vapours
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

5	40 of 40	S/0.0	78.5 / 5.00	QUEENSWAY-CARLETON HOSPITAL 3045 Baseline Road Ottawa ON K2H 8P4	GEN

Generator Info

Generator No:	ON0490600	**Choice of Contact:**	
Approval Years:	As of Nov 2021	**Contaminated Fac:**	
Status:	Registered	**MHSW Facility:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

PO Box No: ***SIC Code:***
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Detail(s)

Waste Class: 121 C
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 312 B
Waste Class Name: Pathological wastes

Waste Detail(s)

Waste Class: 261 P
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 261 T
Waste Class Name: Pharmaceuticals

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Waste Detail(s)

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 312 P
Waste Class Name: Pathological wastes

Waste Detail(s)

Waste Class: 212 H
Waste Class Name: Aliphatic solvents and residues

Waste Detail(s)

Waste Class: 243 D
Waste Class Name: PCB

Waste Detail(s)

Waste Class: 148 B
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

Waste Class: 221 A
Waste Class Name: Light fuels

Waste Detail(s)

Waste Class: 261 A
Waste Class Name: Pharmaceuticals

Waste Detail(s)

Waste Class: 263 P
Waste Class Name: Misc. waste organic chemicals

Waste Detail(s)

Waste Class: 261 B
Waste Class Name: Pharmaceuticals

Waste Detail(s)

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

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

Waste Detail(s)

Waste Class: 145 C
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 148 P
Waste Class Name: Misc. wastes and inorganic chemicals

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6 | **1 of 1** | **NW/0.0** | **69.8 / -3.69** | **3440 Richmond Road Ottawa ON K2H 8H7** | **EHS**

Order No: 24041000103
Status: C
Report Type: Standard Report
Report Date: 15-APR-24
Date Received: 10-APR-24
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.8092381
Y: 45.3378076

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7 | **1 of 1** | **WNW/0.0** | **71.8 / -1.70** | **lot 16 con 2 OTTAWA ON** | **WWIS**

Well ID: 1535364
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z19297
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 01/21/2005
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6894
Form Version: 3
Owner:
County: OTTAWA-CARLETON
Lot: 016
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1535364.pdf

Additional Detail(s) (Map)

Well Completed Date: 12/17/2004

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Year Completed: 2004
Depth (m): 3.7
Latitude: 45.3374133703094
Longitude: -75.8100693734112
X: -75.81006921174806
Y: 45.33741336357613
Path: 153\1535364.pdf

Bore Hole Information

Bore Hole ID: 11329735
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/17/2004
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 436530.00
North83: 5020753.00
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 932996198
Layer: 1
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2: 06
Material 2 Desc: SILT
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.1500000953674316
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 932996199
Layer: 2
Color: 2
General Color: GREY
Material 1: 34
Material 1 Desc: TILL
Material 2: 05
Material 2 Desc: CLAY
Material 3:
Material 3 Desc:
Formation Top Depth: 2.1500000953674316
Formation End Depth: 3.700000047683716
Formation End Depth UOM: m

Annular Space/Abandonment

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

Sealing Record

Plug ID:	933284353
Layer:	1
Plug From:	0.0
Plug To:	3.700000047683716
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933284354
Layer:	2
Plug From:	
Plug To:	
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961535364
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11344590
Casing No:	1
Comment:	
Alt Name:	

Water Details

Water ID:	934069496
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	3.5
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11533380
Diameter:	20.0
Depth From:	0.0
Depth To:	3.700000047683716
Hole Depth UOM:	m
Hole Diameter UOM:	cm

8	***1 of 1***	***WNW/0.0***	***72.9 / -0.61***	***lot 16 con 2 ON***	***WWIS***

Well ID:	1504028	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	06/30/1954
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3566

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	016
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	OF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504028.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/16/1954
Year Completed: 1954
Depth (m): 32.004
Latitude: 45.3371325988038
Longitude: -75.810312971502
X: -75.81031281054179
Y: 45.33713259239984
Path: 150\1504028.pdf

Bore Hole Information

Bore Hole ID:	10026071	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	436510.60
Code OB Desc:		**North83:**	5020722.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	06/16/1954	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998187
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Overburden and Bedrock Materials Interval

Formation ID: 930998188
Layer: 2
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504028
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574641
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044873
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044874
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 105.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504028
Pump Set At:
Static Level: 34.0

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

Final Level After Pumping:	60.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933457082
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	103.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933457081
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

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9 ***1 of 1*** ***WNW/0.0*** ***72.9 / -0.61*** ***ON*** ***BORE***

Borehole ID:	610768	***Inclin FLG:***	No
OGF ID:	215512279	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUN-1954	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.337134
Total Depth m:	32	***Longitude DD:***	-75.810313
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436511
Drill Method:		***Northing:***	5020722
Orig Ground Elev m:	76.2	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	75.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386449	***Mat Consistency:***	Stiff
Top Depth:	4.9	***Material Moisture:***	
Bottom Depth:	32	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SANDSTONE. 00103LT,GRAVEL. BROWN,GREY. CLAY,SILT. BROWN,VERY STIFF,WEATHERED. CLAY, SILT,SAN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218386448	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: GRAVEL,SAND.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 03276 NTS_Sheet:
Confiden 1:

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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10 | ***1 of 1*** | ***WNW/0.0*** | ***71.8 / -1.70*** | ***3448 Richmond Road, Ottawa Ottawa ON*** | ***FCS***

SGC:	3506008
Site ID:	00023305
Departmental ID:	822
Depart Code:	NCC
Class Type:	N
Class:	Not a Priority for Action
Site Name:	3448 Richmond Road, Ottawa
Site Name (FR):	3448 rue Richmond, Ottawa
Site Status:	Closed
Site Status Desc:	Preliminary classification completed. No further action required.
Site Status (FR):	Fermé
Description (FR):	Classification préliminaire terminée. Aucune autre mesure requise.
Involv Code:	
Census Division:	Ottawa
Municipality:	Ottawa
Census Sub Class:	1
Latitude:	45.337486
Longitude:	-75.810121
Location:	
Protected Data:	0

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

FED:	079
Fed Electoral District:	Ottawa West--Nepean
Fed Electoral District (FR):	Ottawa-Ouest--Nepean
Metro:	
Nearest Pop. Area:	
Highest Step Cmpltd:	9
Site Deleted Flag:	
Created:	2008-06-19T11:36:00
Modified:	2014-05-15T10:13:19.093
Property No.:	01997
Est m³ Contmnted:	
Est Ha Contmnted:	0.608
Est Tons Contamin:	
Est Population at 1 Km:	3,397
Est Population at 5 Km:	102,744
Est Population at 10 Km:	421,500
Est Population at 25 Km:	1,097,705
Est Population at 50 Km:	1,444,338
Reporting Org:	National Capital Commission
Reporting Org (FR):	Commission de la Capitale nationale
Reason for Involv:	Federal Real Property
Reason for Involv (FR):	Biens immobiliers fédéraux
Liable Third Party:	
Class (FR):	Priorité d'intervention nulle
Action Plan:	RA completed. Remediation may be required if land use changes.
Action Plan (FR):	Évaluation de risque completée. Réhabilitation possible si changement d'utilisation de terrain.
Site Mgmnt Strategy:	Periodic Monitoring, Remediation
Minimap URL:	http://www.tbs-sct.gc.ca/fcsi-rscf/minimap.aspx?fsi=00023305
Additional Info:	
Additional Info (FR):	

Management

Management Code:	2
Management Type (EN):	Remediation
Management Type (FR):	Restauration
Management Code:	4
Management Type (EN):	Periodic Monitoring
Management Type (FR):	Surveillance périodique

Contamination

Contaminant:	Metal, metalloid, and organometallic
Contamination (FR):	Métaux, métalloïdes, et organométalliques
Medium Code:	5
Medium:	Soil
Medium (FR):	Sol
Contaminant:	Metal, metalloid, and organometallic
Contamination (FR):	Métaux, métalloïdes, et organométalliques
Medium Code:	2
Medium:	Groundwater
Medium (FR):	Eau souterraine
Contaminant:	PHCs (petroleum hydrocarbons)
Contamination (FR):	HCP (hydrocarbures pétroliers)
Medium Code:	5
Medium:	Soil
Medium (FR):	Sol

Annual Data

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Fiscal Year:	2007-2008
Reporting Organization:	NCC
Reporting Organization (EN):	National Capital Commission
Reporting Organization (FR):	Commission de la Capitale nationale
Class Type:	
Class (EN):	
Class (FR):	
CCME Flag:	
CCME NCS Year:	
Step Name (EN):	
Step Name (FR):	
Highest Step Completed:	09
Highest Step Completed Desc:	
Planned Compl Date Step7:	
Planned Compl Date Step8:	
Planned Compl Date Step9:	
Created:	
Modified:	
NCSCS Year:	
Closed:	No
Actual Cubic Metres Rem:	0
Actual Hectares Rem:	0.608
Actual Tons Remediated:	0
Total Asmt Expenditure:	$0.00
Total Remediation Expenditure:	$0.00
Total Care/Maint Expenditur:	$0.00
Total Mntring Expenditure:	$0.00
Ttl Expenditure Reduc Liabil:	
FCSAP Asmt Expenditure:	$0.00
FCSAP Remed Expenditure:	$0.00
FCSAP Care/Maint Expenditur:	$0.00
FCSAP Mntring Expenditure:	$0.00

Annual Data

Fiscal Year:	2008-2009
Reporting Organization:	NCC
Reporting Organization (EN):	National Capital Commission
Reporting Organization (FR):	Commission de la Capitale nationale
Class Type:	
Class (EN):	
Class (FR):	
CCME Flag:	
CCME NCS Year:	
Step Name (EN):	
Step Name (FR):	
Highest Step Completed:	09
Highest Step Completed Desc:	
Planned Compl Date Step7:	
Planned Compl Date Step8:	
Planned Compl Date Step9:	
Created:	
Modified:	
NCSCS Year:	
Closed:	No
Actual Cubic Metres Rem:	0
Actual Hectares Rem:	0
Actual Tons Remediated:	0
Total Asmt Expenditure:	$0.00
Total Remediation Expenditure:	$0.00
Total Care/Maint Expenditur:	$0.00
Total Mntring Expenditure:	$0.00
Ttl Expenditure Reduc Liabil:	
FCSAP Asmt Expenditure:	$0.00
FCSAP Remed Expenditure:	$0.00

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

FCSAP Care/Maint Expenditur: $0.00
FCSAP Mntring Expenditure: $0.00

Annual Data

Fiscal Year: 2009-2010
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 05
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: $0.00
Total Remediation Expenditure: $0.00
Total Care/Maint Expenditur: $0.00
Total Mntring Expenditure: $0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: $0.00
FCSAP Remed Expenditure: $0.00
FCSAP Care/Maint Expenditur: $0.00
FCSAP Mntring Expenditure: $0.00

Annual Data

Fiscal Year: 2012-2013
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 04
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: Yes
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: $0.00

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Total Remediation Expenditure:	$0.00
Total Care/Maint Expenditur:	$0.00
Total Mntring Expenditure:	$0.00
Ttl Expenditure Reduc Liabil:	
FCSAP Asmt Expenditure:	$0.00
FCSAP Remed Expenditure:	$0.00
FCSAP Care/Maint Expenditur:	$0.00
FCSAP Mntring Expenditure:	$0.00

Annual Data

Fiscal Year:	2010-2011
Reporting Organization:	NCC
Reporting Organization (EN):	National Capital Commission
Reporting Organization (FR):	Commission de la Capitale nationale
Class Type:	
Class (EN):	
Class (FR):	
CCME Flag:	
CCME NCS Year:	
Step Name (EN):	
Step Name (FR):	
Highest Step Completed:	03
Highest Step Completed Desc:	
Planned Compl Date Step7:	
Planned Compl Date Step8:	
Planned Compl Date Step9:	
Created:	
Modified:	
NCSCS Year:	
Closed:	No
Actual Cubic Metres Rem:	0
Actual Hectares Rem:	0
Actual Tons Remediated:	0
Total Asmt Expenditure:	$0.00
Total Remediation Expenditure:	$0.00
Total Care/Maint Expenditur:	$0.00
Total Mntring Expenditure:	$0.00
Ttl Expenditure Reduc Liabil:	
FCSAP Asmt Expenditure:	$0.00
FCSAP Remed Expenditure:	$0.00
FCSAP Care/Maint Expenditur:	$0.00
FCSAP Mntring Expenditure:	$0.00

Annual Data

Fiscal Year:	2011-2012
Reporting Organization:	NCC
Reporting Organization (EN):	National Capital Commission
Reporting Organization (FR):	Commission de la Capitale nationale
Class Type:	
Class (EN):	
Class (FR):	
CCME Flag:	
CCME NCS Year:	
Step Name (EN):	
Step Name (FR):	
Highest Step Completed:	04
Highest Step Completed Desc:	
Planned Compl Date Step7:	
Planned Compl Date Step8:	
Planned Compl Date Step9:	
Created:	
Modified:	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

NCSCS Year:	
Closed:	No
Actual Cubic Metres Rem:	0
Actual Hectares Rem:	0
Actual Tons Remediated:	0
Total Asmt Expenditure:	$0.00
Total Remediation Expenditure:	$0.00
Total Care/Maint Expenditur:	$0.00
Total Mntring Expenditure:	$0.00
Ttl Expenditure Reduc Liabil:	
FCSAP Asmt Expenditure:	$0.00
FCSAP Remed Expenditure:	$0.00
FCSAP Care/Maint Expenditur:	$0.00
FCSAP Mntring Expenditure:	$0.00

Annual Data

Fiscal Year:	2013-2014
Reporting Organization:	NCC
Reporting Organization (EN):	National Capital Commission
Reporting Organization (FR):	Commission de la Capitale nationale
Class Type:	
Class (EN):	
Class (FR):	
CCME Flag:	
CCME NCS Year:	
Step Name (EN):	
Step Name (FR):	
Highest Step Completed:	04
Highest Step Completed Desc:	
Planned Compl Date Step7:	
Planned Compl Date Step8:	
Planned Compl Date Step9:	
Created:	
Modified:	
NCSCS Year:	
Closed:	Yes
Actual Cubic Metres Rem:	0
Actual Hectares Rem:	0
Actual Tons Remediated:	0
Total Asmt Expenditure:	$0.00
Total Remediation Expenditure:	$0.00
Total Care/Maint Expenditur:	$0.00
Total Mntring Expenditure:	$0.00
Ttl Expenditure Reduc Liabil:	
FCSAP Asmt Expenditure:	$0.00
FCSAP Remed Expenditure:	$0.00
FCSAP Care/Maint Expenditur:	$0.00
FCSAP Mntring Expenditure:	$0.00

11	***1 of 1***	***WSW/0.0***	***75.9 / 2.39***	***ON***	***BORE***

Borehole ID:	610763	***Inclin FLG:***	No
OGF ID:	215512274	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAY-1972	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.335334
Total Depth m:	9.5	***Longitude DD:***	-75.810287
Depth Ref:	Ground Surface	***UTM Zone:***	18

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Depth Elev:		**Easting:**	436511
Drill Method:		**Northing:**	5020522
Orig Ground Elev m:	77.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	75.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386422	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT,SAND.		

Geology Stratum ID:	218386427	**Mat Consistency:**	Dense
Top Depth:	5	**Material Moisture:**	
Bottom Depth:	6.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED,TILL. DENSE.		

Geology Stratum ID:	218386423	**Mat Consistency:**	Stiff
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,GREY,VERY STIFF.		

Geology Stratum ID:	218386424	**Mat Consistency:**	Stiff
Top Depth:	.8	**Material Moisture:**	
Bottom Depth:	2.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. BROWN,GREY, STIFF TO VERY STIFF.		

Geology Stratum ID:	218386428	**Mat Consistency:**	Dense
Top Depth:	6.6	**Material Moisture:**	
Bottom Depth:	7.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

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

Stratum Description: UNSPECIFIED,TILL, CLAY. LOOSE,DENSE.

Geology Stratum ID: 218386430
Top Depth: 8
Bottom Depth: 9.5
Material Color:
Material 1: Bedrock
Material 2: Dolomite
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK,DOLOMITE. 00000 015 00015 025 00025 025 00075 035 00143 016 00165 01 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218386425
Top Depth: 2.3
Bottom Depth: 4.4
Material Color: Brown
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SILT,SAND. BROWN,GREY,SOFT TO STIFF.

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

Geology Stratum ID: 218386426
Top Depth: 4.4
Bottom Depth: 5
Material Color:
Material 1: Unknown
Material 2: Till
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL. VERY LOOSE.

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

Geology Stratum ID: 218386429
Top Depth: 7.3
Bottom Depth: 8
Material Color:
Material 1: Unknown
Material 2: Till
Material 3: Silt
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL, SILT. DENSE.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 032710 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

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

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

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

12 **1 of 1** **SSW/0.0** **76.8 / 3.31** **ON** **BORE**

Borehole ID: 610761
OGF ID: 215512272
Status:
Type: Borehole
Use:
Completion Date: 1922
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 5.6
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 78
Elev Reliabil Note:
DEM Ground Elev m: 79.5
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: 45.334533
Longitude DD: -75.808999
UTM Zone: 18
Easting: 436611
Northing: 5020432
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218386415
Top Depth: 1.7
Bottom Depth: 3
Material Color: Brown
Material 1: Clay
Material 2: Sand
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY,STIFF,FISSURED.

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

Geology Stratum ID: 218386414
Top Depth: 0
Bottom Depth: 1.7
Material Color: Brown
Material 1: Clay
Material 2: Sand
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY,VERY STIFF.

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

Geology Stratum ID: 218386417
Top Depth: 3.4
Bottom Depth: 4.1
Material Color:
Material 1: Unknown
Material 2: Till
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL. LOOSE.

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

Geology Stratum ID: 218386418
Top Depth: 4.1

Mat Consistency: Soft
Material Moisture:

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

Bottom Depth:	5.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Dolomite	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,DOLOMITE. 00000 025 00055 038 00100 010 00112 005 AY,SILT. GREY,SOFT.		

Geology Stratum ID:	218386416	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	Fine
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,SILT-VERY FINE,GRAVEL.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032690 NTS_Sheet: 31G05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

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13 ***1 of 1*** ***SSE/0.0*** ***81.2 / 7.75*** ***ON*** ***BORE***

Borehole ID:	610758	**Inclin FLG:**	No
OGF ID:	215512269	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	MAY-1972	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.334367
Total Depth m:	7.5	**Longitude DD:**	-75.807082
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436761
Drill Method:		**Northing:**	5020412
Orig Ground Elev m:	77.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	78.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Borehole Geology Stratum

Geology Stratum ID:	218386400	***Mat Consistency:***	Stiff
Top Depth:	.8	***Material Moisture:***	
Bottom Depth:	2.8	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY, STIFF TO VERY STIFF,FISSURED.

Geology Stratum ID:	218386399	***Mat Consistency:***	Stiff
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.8	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY,VERY STIFF.

Geology Stratum ID:	218386401	***Mat Consistency:***	Soft
Top Depth:	2.8	***Material Moisture:***	
Bottom Depth:	5.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: CLAY,SILT,SAND. SOFT.

Geology Stratum ID:	218386403	***Mat Consistency:***	Dense
Top Depth:	5.9	***Material Moisture:***	
Bottom Depth:	7.5	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:	Dolomite	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: BEDROCK,DOLOMITE. 00000 020 00025 030 00092 035 VERY DENSE. BEDROCK,LIMESTONE. GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218386402	***Mat Consistency:***	Loose
Top Depth:	5.3	***Material Moisture:***	
Bottom Depth:	5.9	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:	Till	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL. LOOSE.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies

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

Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032660 NTS_Sheet: 31G05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

14	1 of 1	NW/0.0	69.9 / -3.61	lot 16 con 2 ON	WWIS

Well ID:	1504026	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	11/28/1949
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3601
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	016
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	OF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504026.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/18/1949
Year Completed:	1949
Depth (m):	12.8016
Latitude:	45.3386676601262
Longitude:	-75.8096328852415
X:	-75.80963272308443
Y:	45.33866765322775
Path:	150\1504026.pdf

Bore Hole Information

Bore Hole ID:	10026069	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	436565.60
Code OB Desc:		**North83:**	5020892.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	07/18/1949	**UTMRC Desc:**	unknown UTM

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

Remarks: ***Location Method:*** p9
Location Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998182
Layer: 1
Color:
General Color:
Material 1: 13
Material 1 Desc: BOULDERS
Material 2: 05
Material 2 Desc: CLAY
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998183
Layer: 2
Color:
General Color:
Material 1: 21
Material 1 Desc: GRANITE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504026
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574639
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044869
Layer: 1

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

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 5.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044870
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 42.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504026
Pump Set At:
Static Level: 4.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933457078
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

---

15 | **1 of 1** | **NW/0.0** | **69.9 / -3.61** | **ON** | **BORE**

Borehole ID: 610772
OGF ID: 215512283
Status:
Type: Borehole
Use:
Completion Date: JUL-1949
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 12.8

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.338669
Longitude DD: -75.809633

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

Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436566
Drill Method:		**Northing:**	5020892
Orig Ground Elev m:	76.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	71.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386458	**Mat Consistency:**	Stiff
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	12.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Granite	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRANITE. 00040LT,GRAVEL. BROWN,GREY. CLAY,SILT. BROWN,VERY STIFF,WEATHERED. CLAY,SILT, SAND.		

Geology Stratum ID:	218386457	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Boulders	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BOULDERS,CLAY.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03280 NTS_Sheet:		
Confiden 1:			

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	SE/0.0	80.9 / 7.39	ON	BORE

Borehole ID:	610759	**Inclin FLG:**	No
OGF ID:	215512270	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No

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

Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAY-1972	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.334468
Total Depth m:	13.6	***Longitude DD:***	-75.805425
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436891
Drill Method:		***Northing:***	5020422
Orig Ground Elev m:	78.3	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	80.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386408	***Mat Consistency:***	Soft
Top Depth:	7.6	***Material Moisture:***	
Bottom Depth:	9.1	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. GREY,SOFT TO STIFF.		

Geology Stratum ID:	218386405	***Mat Consistency:***	Stiff
Top Depth:	1.5	***Material Moisture:***	
Bottom Depth:	3	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. BROWN,GREY,STIFF,FISSURED.		

Geology Stratum ID:	218386409	***Mat Consistency:***	Stiff
Top Depth:	9.1	***Material Moisture:***	
Bottom Depth:	10.7	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. GREY,STIFF.		

Geology Stratum ID:	218386410	***Mat Consistency:***	Soft
Top Depth:	10.7	***Material Moisture:***	
Bottom Depth:	12.1	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. GREY,SOFT.		

Geology Stratum ID:	218386404	***Mat Consistency:***	Stiff

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SAND. BROWN,GREY,VERY STIFF, FISSURED.

Geology Stratum ID:	218386406	**Mat Consistency:**	Soft
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	4.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SAND. GREY,SOFT TO STIFF.

Geology Stratum ID:	218386407	**Mat Consistency:**	Soft
Top Depth:	4.6	**Material Moisture:**	
Bottom Depth:	7.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,SAND. GREY,SOFT TO STIFF.

Geology Stratum ID:	218386411	**Mat Consistency:**	
Top Depth:	12.1	**Material Moisture:**	
Bottom Depth:	13.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Dolomite	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: BEDROCK,DOLOMITE. 00000 023 00050 045 00100 035 00150 025 00250 046 00300 03 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 032670 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	WSW/0.0	75.2 / 1.70	ON	BORE

Borehole ID:	848343	**Inclin FLG:**	No
OGF ID:	215589973	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	05-APR-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.33511
Total Depth m:	5.3	**Longitude DD:**	-75.811198
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436439
Drill Method:	Hollow stem auger	**Northing:**	5020498
Orig Ground Elev m:	76.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 20 metres
DEM Ground Elev m:	76.5		

Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	6560715	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560716	**Mat Consistency:**	Loose
Top Depth:	2	**Material Moisture:**	
Bottom Depth:	3.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt - Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL LOOSE TO COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560717	**Mat Consistency:**	
Top Depth:	3.6	**Material Moisture:**	
Bottom Depth:	5.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	1 of 1	WSW/0.0	74.9 / 1.39	ON	BORE

Borehole ID: 848344
OGF ID: 215589974
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 06-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 74
Elev Reliabil Note:
DEM Ground Elev m: 73.7
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.335495
Longitude DD: -75.811471
UTM Zone: 18
Easting: 436418
Northing: 5020541
Location Accuracy:
Accuracy: Within 20 metres

Borehole Geology Stratum

Geology Stratum ID: 6560719
Top Depth: 2.5
Bottom Depth: 4.3
Material Color:
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560718
Top Depth: 0
Bottom Depth: 2.5
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT WITH SOME SAND BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	W/0.1	73.9 / 0.38	ON	BORE

Borehole ID: 848336
OGF ID: 215589966
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 05-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 7.9
Depth Ref: Ground Surface

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.335979
Longitude DD: -75.811721
UTM Zone: 18

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Depth Elev:		**Easting:**	436399
Drill Method:	Hollow stem auger	**Northing:**	5020595
Orig Ground Elev m:	74.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 20 metres
DEM Ground Elev m:	74.2		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560697	**Mat Consistency:**	Firm
Top Depth:	1.4	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND FIRM GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560699	**Mat Consistency:**	
Top Depth:	6.3	**Material Moisture:**	
Bottom Depth:	7.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560696	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT FILL BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560698	**Mat Consistency:**	Compact
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	6.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt - Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT, SAND AND GRAVEL COMPACT TO VERY DENSE GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

20	***1 of 2***	***NNW/0.0***	***68.8 / -4.66***	***TUBMAN FUNERAL HOMES*** ***3440 RICHMOND ROAD*** ***NEPEAN ON K2H 8H7***	***GEN***

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

Generator Info

Generator No:	ONF046700	***Choice of Contact:***	
Approval Years:	88,89,90	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	9731
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	FUNERAL HOMES		

Waste Detail(s)

Waste Class:	312
Waste Class Name:	PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	*2 of 2*	*NNW/0.0*	*68.8 / -4.66*	***TUBMAN FUNERAL HOMES 44-467*** ***3440 RICHMOND ROAD*** ***NEPEAN ON K2H 8H7***	*GEN*

Generator Info

Generator No:	ONF046700	***Choice of Contact:***	
Approval Years:	92,93,94,95,96,97,98	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	9731
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	FUNERAL HOMES		

Waste Detail(s)

Waste Class:	312
Waste Class Name:	PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	*1 of 1*	*N/0.0*	*68.9 / -4.61*	***BRUCE FARM*** ***NEPEAN ON***	*AMIS*

Site Access Code:		***Prog Rehab Plan:***	UNK
AMIS Distr Code:		***Revegetation:***	
Abandoned Mine ID:	07089	***Veg Condition:***	
Old MDI ID:	SO4019	***Veg Descr:***	
New MDI ID:	MDI31G05SW00019	***Chemical Doc:***	
Mine Status:	ABANDONED	***Jurisdiction:***	A.R.A.
Mine Plan/Section:	UNK	***Lot No:***	16
Site Class:	D	***Concession:***	2
Clos Reason Code:		***Zone:***	18
Closure Plan:	UNK	***Northing:***	5020986
Prim Commod Code:		***Easting:***	436744
Primary Commodity:	LIMESTONE (BUILDING STONES)	***Mine Closure Reaso:***	UNKNOWN
Operational Access:	NOT AVAILABLE	***AMIS District:***	TWEED
Date Entered:		***District Desc:***	TWEED
Date Last Modified:	11/19/2021 12:00:00 AM	***Animal Desc:***	
Effective Date:		***Status Type Code:***	
Start Year:		***Long Name:***	1018435050200
End Year:		***NTS No:***	031G05
Evid of Site Conta:		***Latitude:***	45.33953

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

Evid of Sulphide:		**Longitude:**	-75.80737
Evid Animals Pres:			
Hyper Link:			
Mine Features Desc:			
Progressive Rehabilitation Sta:	NOT REHABILITATED		
AMIS Bkgrd Info:	PAST PRODUCER; DESIGNATED TWP.; LICENCED BY THE AGGREGATE RESOURCES ACT.; LOCATED AT POINT AT BRUCE FARM ON MAP DEMR 1987, NTS 31G05 OTTAWA.; COMMODITY: LIMESTONE;		
Alternate Name:	BRUCE FARM		

22	1 of 1	N/0.0	68.9 / -4.61	Bruce Farm ON	MNR

MDI No:	MDI31G05SW00019	**Twp Area:**	Nepean
OGF ID:		**Dep Class:**	
Deposit Status:		**Zone:**	
Claim Map:		**Easting:**	
Geological Dstrct:	Southern Ontario	**Northing:**	
Mining Division:		**Effective Dt/time:**	
Name:	Bruce Farm	**Date Last Modified:**	
Primary Commodity:	LIMESTONE (BUILDING STONE)	**Geo Update Dt/time:**	
Secondary Commod:		**Class Sub Type No:**	
Latitude:	45.33953	**Status:**	Past Producing Mine Without Reserves or Resources
Longitude:	-75.807364		
Class Sub Type:			
Source Map:			
Detail:	https://www.geologyontario.mines.gov.on.ca/persistent-linking?mineral-inventory=MDI31G05SW00019		
All Names:	Bruce Farm		
Access Description:	At Bruce Farm.		

23	1 of 1	SE/0.0	82.1 / 8.58	 ON	BORE

Borehole ID:	610754	**Inclin FLG:**	No
OGF ID:	215512265	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	FEB-1971	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.333932
Total Depth m:	5.9	**Longitude DD:**	-75.804907
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436931
Drill Method:		**Northing:**	5020362
Orig Ground Elev m:	79.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	80.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386391	**Mat Consistency:**	Stiff
Top Depth:	1.1	**Material Moisture:**	
Bottom Depth:	3.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SILT,SAND. BROWN,VERY STIFF,WEATHERED.

Geology Stratum ID: 218386392
Top Depth: 3.7
Bottom Depth: 5.9
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SILT,SAND. GREY,FIRM,STIFF. 0001505500035023001200 02,GRAVEL-FINE. GREY,VERY DENSE. BEDRO **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218386390
Top Depth: .5
Bottom Depth: 1.1
Material Color: Brown
Material 1:
Material 2: Sand
Material 3: Silt
Material 4: Gravel
Gsc Material Description:
Stratum Description: ARTIFICIAL,SAND,SILT,GRAVEL. DARK,BROWN.

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

Geology Stratum ID: 218386389
Top Depth: 0
Bottom Depth: .5
Material Color: Brown
Material 1:
Material 2: Sand
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: ARTIFICIAL,SAND, GRAVEL. BROWN.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 032620 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

24	1 of 1	SW/0.0	78.8 / 5.36	ON	BORE

Borehole ID: 848407
Inclin FLG: No

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

OGF ID:	215590037	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	02-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.333479
Total Depth m:	5.7	**Longitude DD:**	-75.810205
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436515
Drill Method:	Hollow stem auger	**Northing:**	5020316
Orig Ground Elev m:	79.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	80		

Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	6560872	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT OCC SAND SEAMS BROWN GREY FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560874	**Mat Consistency:**	
Top Depth:	4.1	**Material Moisture:**	
Bottom Depth:	5.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE WITH INTERBEDDED SANDY DOLOSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560873	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	4.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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25 | ***1 of 1*** | ***SW/0.0*** | ***78.8 / 5.36*** | ***ON*** | ***BORE***

Borehole ID:	848337	**Inclin FLG:**	No
OGF ID:	215589967	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	04-APR-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.333461
Total Depth m:	5.8	**Longitude DD:**	-75.810166
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436518
Drill Method:	Hollow stem auger	**Northing:**	5020314
Orig Ground Elev m:	79.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 20 metres
DEM Ground Elev m:	80		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560700	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND FIRM BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560701	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt - Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560702	**Mat Consistency:**	
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:	5.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	DOLOSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

26	*1 of 1*	*S/0.0*	*87.3 / 13.78*	*ON*	*BORE*

Borehole ID:	610747	**Inclin FLG:**	No
OGF ID:	215512258	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	

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

Completion Date:	MAY-1972	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.333006
Total Depth m:	9.5	**Longitude DD:**	-75.808467
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436651
Drill Method:		**Northing:**	5020262
Orig Ground Elev m:	79.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	80.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386360	**Mat Consistency:**	Hard
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. BROWN,GREY,HARD,FISSURED.		

Geology Stratum ID:	218386364	**Mat Consistency:**	Loose
Top Depth:	5.3	**Material Moisture:**	
Bottom Depth:	7.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED,TILL. LOOSE.		

Geology Stratum ID:	218386362	**Mat Consistency:**	Stiff
Top Depth:	2	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. BROWN,GREY,STIFF,FISSURED.		

Geology Stratum ID:	218386366	**Mat Consistency:**	
Top Depth:	8	**Material Moisture:**	
Bottom Depth:	9.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Dolomite	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,DOLOMITE. 00000 025 00050 035 00100 037 00175 010 00255 011 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218386361	**Mat Consistency:**	Stiff
Top Depth:	1.5	**Material Moisture:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Bottom Depth:	2	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. BROWN,GREY,VERY STIFF, FISSURED.		

Geology Stratum ID:	218386365	**Mat Consistency:**	Dense
Top Depth:	7.8	**Material Moisture:**	
Bottom Depth:	8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED,TILL. DENSE.		

Geology Stratum ID:	218386363	**Mat Consistency:**	Soft
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	5.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND. GREY,SOFT.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032550 NTS_Sheet: 31G05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	1 of 1	N/0.0	68.9 / -4.58	ON	BORE

Borehole ID:	610776	**Inclin FLG:**	No
OGF ID:	215512287	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	FEB-1971	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.340477

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Total Depth m:	11.3	**Longitude DD:**	-75.808573
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436651
Drill Method:		**Northing:**	5021092
Orig Ground Elev m:	68.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	67.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386468	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL,GRAVEL. GREY.		

Geology Stratum ID:	218386469	**Mat Consistency:**	
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	1.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL,SAND,SILT,CLAY. DARK,BROWN.		

Geology Stratum ID:	218386472	**Mat Consistency:**	Dense
Top Depth:	9	**Material Moisture:**	
Bottom Depth:	11.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,GRAVEL,SILT. GREY,DENSE. 000450040029503900205, SAND. DENSE. 00000 020 00080 035 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218386470	**Mat Consistency:**	Stiff
Top Depth:	1.4	**Material Moisture:**	
Bottom Depth:	3.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT,SAND. BROWN,VERY STIFF,WEATHERED.		

Geology Stratum ID:	218386471	**Mat Consistency:**	Firm
Top Depth:	3.5	**Material Moisture:**	
Bottom Depth:	9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	

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

Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SILT,SAND. GREY,FIRM,STIFF.

Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 032840 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

28	1 of 1	N/0.0	67.9 / -5.61	3045 Richmond Rd con 2 Ottawa ON	WWIS

Well ID: 7350850
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z315243
Tag: A132247
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 12/31/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID: 1007853877
Depth M: 6.096
Year Completed: 2019
Well Completed Dt: 12/02/2019
Audit No: Z315243
Path:

Tag No: A132247
Contractor: 6964
Latitude: 45.3414055106909
Longitude: -75.8081606589994
Y: 45.34140550430013
X: -75.80816049777638

Bore Hole Information

Bore Hole ID: 1007853877

Elevation:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	436684.00
Code OB Desc:		***North83:***	5021195.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/02/2019	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1008149679
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 06
Material 2 Desc: SILT
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 1.4170000553131104
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149678
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3: 66
Material 3 Desc: DENSE
Formation Top Depth: 0.3330000042915344
Formation End Depth: 1.4170000553131104
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149677
Layer: 1
Color: 8
General Color: BLACK
Material 1: 27
Material 1 Desc: OTHER
Material 2:
Material 2 Desc:
Material 3: 73
Material 3 Desc: HARD

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Formation Top Depth: 0.0
Formation End Depth: 0.3330000042915344
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008150214
Layer: 1
Plug From: 0.0
Plug To: 9.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008150215
Layer: 2
Plug From: 9.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1008151024
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1008148437
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008151435
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 10.0
Casing Diameter: 2.140000104904175
Casing Diameter UOM: Inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1008151587
Layer: 1
Slot: 10
Screen Top Depth: 10.0
Screen End Depth: 20.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.375

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

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008152220
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1008150671
Diameter:	8.0
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

---

29 ***1 of 1*** ***SW/3.0*** ***77.7 / 4.24*** ***ON*** ***BORE***

Borehole ID:	848341	***Inclin FLG:***	No
OGF ID:	215589971	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	05-APR-1989	***Municipality:***	
Static Water Level:		***Lot:***	LOT 15
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.334303
Total Depth m:	3.9	***Longitude DD:***	-75.810791
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436470
Drill Method:	Hollow stem auger	***Northing:***	5020408
Orig Ground Elev m:	78.3	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 20 metres
DEM Ground Elev m:	78.4		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560711	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.9	***Material Texture:***	
Material Color:	Brown-Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt - Sand - Gravel	***Geologic Group:***	
Material 3:	Boulders	***Geologic Period:***	

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

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND AND GRAVEL BROWN GREY BOULDERS **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560712
Top Depth: 1.9
Bottom Depth: 3.9
Material Color:
Material 1: Limestone
Material 2: Bedrock
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

---

30 **1 of 1** **SW/3.6** **77.8 / 4.31** **ON** **BORE**

Borehole ID: 848340
OGF ID: 215589970
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 06-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 2.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 79.1
Elev Reliabil Note:
DEM Ground Elev m: 79.1
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.33389
Longitude DD: -75.810542
UTM Zone: 18
Easting: 436489
Northing: 5020362
Location Accuracy:
Accuracy: Within 20 metres

Borehole Geology Stratum

Geology Stratum ID: 6560710
Top Depth: 0
Bottom Depth: 2.9
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND SOFT BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

---

31 **1 of 1** **W/4.1** **73.9 / 0.38** **ON** **BORE**

Borehole ID: 848423
OGF ID: 215590047
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 05-APR-1989

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Static Water Level:		***Lot:***	LOT 15
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.336006
Total Depth m:	7.9	***Longitude DD:***	-75.81176
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436396
Drill Method:	Hollow stem auger	***Northing:***	5020598
Orig Ground Elev m:	74.8	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	74.4		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560919	***Mat Consistency:***	
Top Depth:	6.3	***Material Moisture:***	
Bottom Depth:	7.9	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Sandstone	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560918	***Mat Consistency:***	Compact
Top Depth:	4	***Material Moisture:***	
Bottom Depth:	6.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:	Gravel	***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL COMPACT TO VERY DENSE GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560916	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.4	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Fill	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT FILL BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560917	***Mat Consistency:***	Firm
Top Depth:	1.4	***Material Moisture:***	
Bottom Depth:	4	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND FIRM GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	1 of 1	WSW/6.6	75.8 / 2.31	ON	BORE

Borehole ID: 848342
OGF ID: 215589972
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 03-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 2.7
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 77.5
Elev Reliabil Note:
DEM Ground Elev m: 77.6
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.334724
Longitude DD: -75.811103
UTM Zone: 18
Easting: 436446
Northing: 5020455
Location Accuracy:
Accuracy: Within 20 metres

Borehole Geology Stratum

Geology Stratum ID: 6560714
Top Depth: 2.1
Bottom Depth: 2.7
Material Color:
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560713
Top Depth: 0
Bottom Depth: 2.1
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOFT TO VERY STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	1 of 1	SE/15.0	89.4 / 15.90	Baseline Road Ottawa ON	EHS

Order No: 20171004127
Status: C
Report Type: Custom Report
Report Date: 22-NOV-17
Date Received: 04-OCT-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.805872
Y: 45.333317

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
34	1 of 2	SSW/15.3	84.2 / 10.76	R.M. OF OTTAWA-CARLETON BASELINE RD./CEDARVIEW RD. NEPEAN CITY ON	CA

Certificate #: 7-1136-94-
Application Year: 94
Issue Date: 11/28/1994
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
34	2 of 2	SSW/15.3	84.2 / 10.76	SEWERMATIC INTERSECTION OF CEDARVIEW RD & BASELINE RD. TANK TRUCK (CARGO) NEPEAN CITY ON	SPL

Ref No: 118695
Year:
Incident Dt: 9/19/1995
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/19/1995
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: NEPEAN CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: OTHER CONTAINER LEAK
Incident Preceding Spill:
Incident Reason: ADVERSE ROAD CONDITION
Incident Summary: SEWERMATIC-100L DIESEL FUEL TO GND. CLEANED UP
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:

Municipality No: 20104
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved: MTO

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

---

35 | ***1 of 1*** | ***SSW/16.6*** | ***84.2 / 10.76*** | ***Southwest corner of Baseline and Cedarview. Ottawa OTTAWA ON*** | ***SPL***

Ref No: 1-1L6TCS
Year:
Incident Dt: 2/3/2022 5:00:10 PM
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/3/2022 5:11:00 PM
Dt Document Closed: 2/4/2022 8:27:56 AM
Site No:
MOE Response: Desktop Response
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa District Office
Nearest Watercourse:
Site Name:
Site Address: Southwest corner of Baseline and Cedarview. Ottawa
Site Region:
Site Municipality: OTTAWA
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type: Motor Vehicle
Incident Cause:
Incident Preceding Spill: Accident/Collision
Incident Reason: Unknown
Incident Summary: City of Ottawa 311: Washer fluid and other fluids to road, cb
Environment Impact: 1 Minor Impact
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 0 other - see notes
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name: WINDSHIELD WASHER ANTI-FREEZE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Land
Activity Preceding Spill: Transportation
Property 2nd Watershed: Central Ottawa
Property Tertiary Watershed: 02KF-Central Ottawa - Mississippi
Sector Type:
SAC Action Class:
Call Report Locatn Geodata: {"integration_ids":["PR00004312585"],"wkts":["POINT (-75.8089379000 45.3328712000)"],"creation_date":"2022-02-03"}

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 0 No Impact
Agency Involved:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Time Reported:
System Facility Address:

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36 ***1 of 24*** ***W/16.8*** ***72.2 / -1.30*** ***COMPUTING DEVICES***
3685 RICHMOND RD.
NEPEAN ON K2H 5B7 ***NPCB***

Company Code: F1510
Industry:
Site Status:
Transaction Date: 1/29/1996
Inspection Date:

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 145.00 KG

Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 523.00 KG

---

36 ***2 of 24*** ***W/16.8*** ***72.2 / -1.30*** ***Sciemetric Instruments Inc.***
3685 Richmond Rd
Nepean ON K2H 5B7 ***SCT***

Established: 1981
Plant Size (ft²):
Employment: 65

--Details--
Description: Computer and Peripheral Equipment Manufacturing
SIC/NAICS Code: 334110

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

Description: Software Publishers
SIC/NAICS Code: 511210

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36 ***3 of 24*** ***W/16.8*** ***72.2 / -1.30*** ***COMPUTING DEVICES***
3685 RICHMOND RD.
NEPEAN ON K2H 5B7 ***OPCB***

Year: 1998
Site Number: 40292A007
Name Owner:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

36	4 of 24	W/16.8	72.2 / -1.30	COMPUTING DEVICES 3685 RICHMOND RD. NEPEAN ON K2H 5B7	OPCB

Year: 1999
Site Number: 40292A007
Name Owner:
Additional Site Information:

36	5 of 24	W/16.8	72.2 / -1.30	COMPUTING DEVICES 3685 RICHMOND RD. NEPEAN ON K2H 5B7	OPCB

Year: 2000
Site Number: 40292A007
Name Owner:
Additional Site Information:

36	6 of 24	W/16.8	72.2 / -1.30	COMPUTING DEVICES 3685 RICHMOND RD. NEPEAN ON K2H 5B7	OPCB

Year: 2003
Site Number: 40292A007
Name Owner:
Additional Site Information:

36	7 of 24	W/16.8	72.2 / -1.30	COMPUTING DEVICES 3685 RICHMOND RD. NEPEAN ON K2H 5B7	OPCB

Year: 1995
Site Number: 40292A007
Name Owner:
Additional Site Information:

--Details--
Quantity: 52.00
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)

Quantity: 10.00
Address Site:
Description: Weight of Capacitors with High Level PCBs (>1000 ppm) kg

36	8 of 24	W/16.8	72.2 / -1.30	COMPUTING DEVICES CO 3685 RICHMOND RD, BUILDING #2 PO BOX 8508 OTTAWA ON K2H 5B7	GEN

Generator Info

Generator No: ON0192500 **Choice of Contact:**

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Approval Years: 86,87
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: LETTER ACKNOWLEDG.
Contaminated Fac:
MHSW Facility:
SIC Code: 0007

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36 *9 of 24* *W/16.8* *72.2 / -1.30*

COMPUTING DEVICES
3685 RICHMOND RD, BUILDING #2 PO BOX 8508
OTTAWA ON K2H 5B7

GEN

Generator Info

Generator No: ON0192500
Approval Years: 88
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: ELECT. PARTS & COMP.
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 3352

Waste Detail(s)

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

Waste Detail(s)

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

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36 *10 of 24* *W/16.8* *72.2 / -1.30*

COMPUTING DEVICES COMPANY
3685 RICHMOND RD, BUILDING #2 PO BOX 8508
NEPEAN ON K2H 5B7

GEN

Generator Info

Generator No: ON0192500
Approval Years: 89,90
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: ELECT. PARTS & COMP.
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 3352

Waste Detail(s)

Waste Class: 232
Waste Class Name: POLYMERIC RESINS

Waste Detail(s)

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

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 268
Waste Class Name: AMINES

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

36	***11 of 24***	***W/16.8***	***72.2 / -1.30***	***COMPUTING DEVICES COMPANY 10-066*** ***3685 RICHMOND ROAD, BUILDING #2*** ***NEPEAN ON K2H 5B7***	***GEN***

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Generator Info

Generator No:	ON0192500	***Choice of Contact:***	
Approval Years:	94,95	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	3352
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	ELECT. PARTS & COMP.		

Waste Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 232
Waste Class Name: POLYMERIC RESINS

Waste Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCB'S

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Waste Class: 268
Waste Class Name: AMINES

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Detail(s)

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

36	12 of 24	W/16.8	72.2 / -1.30	**CHIPWORKS** **3685 RICHMOND ROAD, SUITE 500** **NEPEAN ON K2H 5B7**	GEN

Generator Info

Generator No: ON2266400
Approval Years: 97,98,99,00,01,02,03
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: TELECOMMUNICATIONS

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 3351

Waste Detail(s)

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

Waste Detail(s)

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

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

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	13 of 24	W/16.8	72.2 / -1.30	CHIPWORKS 3685 Richmond Rd Suite 500 Ottawa ON K2H 5B7	GEN

Generator Info

Generator No: ON2266400
Approval Years: 04,05,06,07,08
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: Semiconductor and Other Electronic Component Manufacturing

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 334410

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 112

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

Waste Class Name: ACID WASTE - HEAVY METALS

Waste Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

---

36 **14 of 24** **W/16.8** **72.2 / -1.30**

COMPUTING DEVICES
3685 RICHMOND RD.
NEPEAN ON K2H 5B7

OPCB

Year: 2004
Site Number: 40292A007
Name Owner:
Additional Site Information:

---

36 **15 of 24** **W/16.8** **72.2 / -1.30**

Chipworks Inc.
3685 Richmond Road Suite 500 Ottawa Ontario
K2H 5B7 Ottawa
ON

EBR

EBR Registry No: IA04E0200
Ministry Ref No: 0029-5VZP9B
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 08, 2005
Proposal Date: February 10, 2004
Year: 2004
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Chipworks Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 3685 Richmond Road , 500, Nepean Ontario, K2H 5B7
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

3685 Richmond Road Suite 500 Ottawa Ontario K2H 5B7 Ottawa

---

36 **16 of 24** **W/16.8** **72.2 / -1.30**

COMPUTING DEVICES
3685 RICHMOND RD
NEPEAN ON K2H 5B7

NPCB

Company Code: F1348
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

---

36 **17 of 24** **W/16.8** **72.2 / -1.30**

Chipworks Inc.
3685 Richmond Rd Suite 500
Nepean ON K2H 5B7

SCT

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

Established: 01-AUG-92
Plant Size (ft²):
Employment:

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

Description: Other Specialized Design Services
SIC/NAICS Code: 541490

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

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

36	***18 of 24***	***W/16.8***	***72.2 / -1.30***	***Chipworks Inc.*** ***3685 Richmond Road*** ***Ottawa ON***	***CA***

Certificate #: 5638-679SWM
Application Year: 2005
Issue Date: 4/7/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

36	***19 of 24***	***W/16.8***	***72.2 / -1.30***	***METRO ONTARIO INC O/A METRO/FOOD BASICS # 267*** ***3655 RICHMOND ROAD*** ***NEPEAN ON K2H 8X3***	***PES***

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF URL:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	20 of 24	W/16.8	72.2 / -1.30	CHIPWORKS 3685 Richmond Rd Suite 500 Ottawa ON	GEN

Generator Info

Generator No:	ON2266400	***Choice of Contact:***	
Approval Years:	2009	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	334410
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Semiconductor and Other Electronic Component Manufacturing		

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

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

36	21 of 24	W/16.8	72.2 / -1.30	CHIPWORKS	GEN

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				3685 Richmond Rd Suite 500 Ottawa ON	

Generator Info

Generator No:	ON2266400	***Choice of Contact:***	
Approval Years:	2010	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	334410
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Semiconductor and Other Electronic Component Manufacturing		

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

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

36	***22 of 24***	***W/16.8***	***72.2 / -1.30***	***METRO ONTARIO INC O/A METRO/FOOD BASICS # 267***	***PES***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				3655 Richmond Road Nepean ON K2H 8X3	

Detail Licence No:	23-01-15321-0	Operator Box:	
Licence No:		Operator Class:	
Status:		Operator No:	
Approval Date:		Operator Type:	
Report Source:		Oper Area Code:	
Licence Type:	LIMITED	Oper Phone No:	
Licence Type Code:		Operator Ext:	
Licence Class:		Operator Lot:	
Licence Control:		Oper Concession:	
Latitude:		Operator Region:	
Longitude:		Operator District:	
Lot:		Operator County:	
Concession:		Op Municipality:	
Region:		Post Office Box:	
District:		MOE District:	
County:		SWP Area Name:	
Trade Name:			
PDF URL:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	23 of 24	W/16.8	72.2 / -1.30	Chipworks Inc. 3685 Richmond Road Ottawa ON K2H 5B7	ECA

Approval No:	5638-679SWM	MOE District:	Ottawa
Approval Date:	2005-04-07	City:	
Status:	Revoked and/or Replaced	Longitude:	-75.82483
Record Type:	ECA	Latitude:	45.325623
Link Source:	IDS	Geometry X:	
SWP Area Name:	Rideau Valley	Geometry Y:	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	Chipworks Inc.		
Address:	3685 Richmond Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0029-5VZP9B-14.pdf		
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	24 of 24	W/16.8	72.2 / -1.30	METRO ONTARIO INC O/A METRO/FOOD BASICS # 267 3655 RICHMOND ROAD NEPEAN ON K2H8X3	PES

Detail Licence No:		Operator Box:	
Licence No:	15321	Operator Class:	
Status:		Operator No:	
Approval Date:		Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)	Oper Area Code:	613
Licence Type:	Limited Vendor	Oper Phone No:	
Licence Type Code:	23	Operator Ext:	
Licence Class:	01	Operator Lot:	
Licence Control:		Oper Concession:	
Latitude:		Operator Region:	
Longitude:		Operator District:	
Lot:		Operator County:	
Concession:		Op Municipality:	
Region:		Post Office Box:	
District:		MOE District:	
County:		SWP Area Name:	
Trade Name:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL:					
37	1 of 1	W/19.6	73.9 / 0.38	ON	BORE

Borehole ID: 848417
OGF ID: 215590043
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 05-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.4
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 72.2
Elev Reliabil Note:
DEM Ground Elev m: 75.3
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.336104
Longitude DD: -75.811914
UTM Zone: 18
Easting: 436384
Northing: 5020609
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560899
Top Depth: 1.4
Bottom Depth: 3.2
Material Color: Brown-Grey
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL COMPACT GLACIAL TILL BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560900
Top Depth: 3.2
Bottom Depth: 4.4
Material Color:
Material 1: Sandstone
Material 2: Bedrock
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560897
Top Depth: 0
Bottom Depth: .7
Material Color:
Material 1: Topsoil
Material 2: Silt
Material 3: Clay
Material 4:
Gsc Material Description:
Stratum Description: CLAYEY SILT TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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

Geology Stratum ID: 6560898
Top Depth: .7
Bottom Depth: 1.4
Material Color:
Material 1: Clay
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

---

38 | **1 of 1** | **NW/22.6** | **69.7 / -3.78** | **lot 16 con 2 ON** | **WWIS**

Well ID: 1504025
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/28/1948
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 016
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504025.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/20/1948
Year Completed: 1948
Depth (m): 32.004
Latitude: 45.3382108465178
Longitude: -75.8105836158474
X: -75.8105834547894
Y: 45.338210840084635
Path: 150\1504025.pdf

Bore Hole Information

Bore Hole ID: 10026068
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/20/1948
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83: 436490.60
North83: 5020842.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Overburden and Bedrock Materials Interval

Formation ID: 930998179
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998180
Layer: 2
Color:
General Color:
Material 1: 06
Material 1 Desc: SILT
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998181
Layer: 3
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 90.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504025
Method Construction Code: 1

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574638
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044868
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 105.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504025
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 30.0
Recommended Pump Depth:
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933457077
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth:
Water Found Depth UOM: ft

---

39 | ***1 of 1*** | ***NW/22.6*** | ***69.7 / -3.78*** | ***ON*** | ***BORE***

Borehole ID: 610770
OGF ID: 215512281
Status:
Type: Borehole
Use:
Completion Date: MAR-1948
Static Water Level:
Primary Water Use:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Sec. Water Use:		**Latitude DD:**	45.338212
Total Depth m:	32	**Longitude DD:**	-75.810583
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436491
Drill Method:		**Northing:**	5020842
Orig Ground Elev m:	70.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	72		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386452	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	9.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218386454	**Mat Consistency:**	Stiff
Top Depth:	27.4	**Material Moisture:**	
Bottom Depth:	32	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. 00103LT,GRAVEL. BROWN,GREY. CLAY,SILT. BROWN,VERY STIFF,WEATHERED. CLAY,SILT, SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218386453	**Mat Consistency:**	
Top Depth:	9.1	**Material Moisture:**	
Bottom Depth:	27.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03278 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27

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

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
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

40 **1 of 2** **WNW/23.6** **71.6 / -1.92** **PETER KIEWIT SONS CO. LTD.**
3529 RICHMOND ROAD
NEPEAN ON K2H 8H8
GEN

Generator Info

Generator No: ON1589402
Approval Years: 95
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: HIGHWAYS, STR., ETC.
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 4121

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

40 **2 of 2** **WNW/23.6** **71.6 / -1.92** **PETER (OUT OF BUS)**
3529 RICHMOND ROAD
NEPEAN ON K2H 8H8
GEN

Generator Info

Generator No: ON1589402
Approval Years: 96,97,98
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: HIGHWAYS, STR., ETC.
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 4121

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	W/24.4	74.9 / 1.42	ON	BORE

Borehole ID: 848425
OGF ID: 215590049
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 01-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 6.8
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 75.4
Elev Reliabil Note:
DEM Ground Elev m: 76
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.335699
Longitude DD: -75.811959
UTM Zone: 18
Easting: 436380
Northing: 5020564
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560924
Top Depth: 2.9
Bottom Depth: 5.2
Material Color:
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL LOOSE **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560923
Top Depth: 0
Bottom Depth: 2.9
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS STIFF TO VERY STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560925
Top Depth: 5.2
Bottom Depth: 6.8
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	1 of 2	ESE/25.4	79.9 / 6.39	S 21(1)(f) of FIPPA 42 Sioux Crescent	SPL

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Ottawa ON K2H 7E5	

Ref No:	7148-823RBR	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:		**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	1/26/2010	**Impact to Health:**	
Dt Document Closed:	2/2/2010	**Agency Involved:**	
Site No:			
MOE Response:	Referral to others		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:	42 Sioux Crescent<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:			
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:	S 21(1)(f) of FIPPA		
Client Type:			
Source Type:			
Incident Cause:	Tank (Above Ground) Leak		
Incident Preceding Spill:			
Incident Reason:	Equipment Failure		
Incident Summary:	TSSA - 42 Sioux Cres, leaking furnace		
Environment Impact:	Not Anticipated		
Health Env Consequence:			
Nature of Impact:	Other Impact(s)		
Contaminant Qty:	90 ft3		
Contaminant Qty 1:	90		
Contaminant Unit:	ft3		
Contaminant Code:	13		
Contaminant Name:	FURNACE OIL		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:			
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Other		
SAC Action Class:	TSSA - Fuel Safety Branch		
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	2 of 2	ESE/25.4	79.9 / 6.39	42 SIOUX CR., OTTAWA ON	INC

Incident No:	315876	**Any Health Impact:**	
Incident ID:	2467294	**Any Enviro Impact:**	
Instance No:		**Service Intrp:**	
Status Code:	Causal Analysis Complete	**Was Prop Damaged:**	
Incident Status:		**Reside App. Type:**	
Incident Severity:		**Commer App. Type:**	
Task No:		**Indus App. Type:**	

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

Attribute Category:	FS-Incident	**Institut App. Type:**	
Context:		**Depth Ground Cover:**	
Date of Occurrence:		**Operation Pressure:**	
Time of Occurrence:		**Equipment Type:**	
Occr Insp Start Dt:		**Equipment Model:**	
Incident Creat On:		**Serial No:**	
Instance Creat Dt:		**Cylinder Capacity:**	
Instance Install Dt:		**Cylinder Cap Units:**	
Approx Quant Rel:	Unknown	**Cylinder Mat Type:**	
Tank Capacity:		**Pump Flow Rate Cap:**	
Fuels Occur Type:		**Contam. Migrated:**	Unknown
Occur Type Rpt:		**Near Body of Water:**	No
Occur Category:		**Drainage System:**	Unknown
Fuel Type Involved:		**Sub Surface Contam:**	Yes
Fuel Type Reported:		**Tank Material Type:**	
Enforcement Policy:		**Tank Storage Type:**	
Prc Escalation Req:		**Tank Location Type:**	
Item:			
Item Description:			
Device Installed Location:			
Venting Type:			
Vent Conn Mater:			
Vent Chimney Mater:			
Pipeline Type:			
Pipeline Involved:			
Pipe Material:			
Regulator Location:			
Regulator Type:			
Liquid Prop Make:			
Liquid Prop Model:			
Liquid Prop Serial No:			
Liquid Prop Notes:			
Inventory Address:	42 SIOUX CR., OTTAWA - LEAK		
Invent Postal Code:			
Notes:			
Contact Natural Env:	Yes		
Aff Prop Use Water:	No		
Occurence Narrative:			
Operation Type Involved:			

43	1 of 1	ESE/28.5	79.9 / 6.39	42 SIOUX CRES Ottawa ON	WWIS

Well ID:	7144019	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Test Hole	**Date Received:**	04/30/2010
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z106991	**Contractor:**	6964
Tag:	A094392	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7144019.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/30/2010
Year Completed: 2010
Depth (m): 4.28
Latitude: 45.3344985395101
Longitude: -75.8034679489075
X: -75.80346778711078
Y: 45.33449853316057
Path: 714\7144019.pdf

Bore Hole Information

Bore Hole ID: 1002966445
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/30/2010
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 437044.00
North83: 5020424.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1003142148
Layer: 4
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 84
Material 2 Desc: SILTY
Material 3:
Material 3 Desc:
Formation Top Depth: 2.450000047683716
Formation End Depth: 4.28000020980835
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003142146
Layer: 2
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Formation Top Depth: 0.10000000149011612
Formation End Depth: 1.2000000476837158
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003142147
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 06
Material 2 Desc: SILT
Material 3:
Material 3 Desc:
Formation Top Depth: 1.2000000476837158
Formation End Depth: 2.450000047683716
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003142145
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.10000000149011612
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003142151
Layer: 2
Plug From: 2.0999999046325684
Plug To: 4.28000020980835
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003142150
Layer: 1
Plug From: 0.0
Plug To: 2.0999999046325684
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003142156
Method Construction Code: 9
Method Construction: Driving

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Other Method Construction:

Pipe Information

Pipe ID: 1003142144
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003142153
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 2.549999952316284
Casing Diameter: 3.5
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003142154
Layer: 1
Slot: 10
Screen Top Depth: 2.549999952316284
Screen End Depth: 4.28000020980835
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.099999904632568

Water Details

Water ID: 1003142152
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003142149
Diameter: 5.599999904632568
Depth From: 0.0
Depth To: 4.28000020980835
Hole Depth UOM: m
Hole Diameter UOM: cm

44	1 of 1	W/31.1	72.4 / -1.09	Richmond Rd con 2 Ottawa ON	WWIS

Well ID: 7350851
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 12/31/2019
Selected Flag: TRUE
Abandonment Rec:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Audit No: Z315242
Tag: A272531
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID: 1007853886
Depth M: 6.7056
Year Completed: 2019
Well Completed Dt: 12/06/2019
Audit No: Z315242
Path:
Tag No: A272531
Contractor: 6964
Latitude: 45.3368625595446
Longitude: -75.8115803059287
Y: 45.33686255341689
X: -75.8115801443648

Bore Hole Information

Bore Hole ID: 1007853886
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/06/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 436411.00
North83: 5020693.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1008149681
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3: 66
Material 3 Desc: DENSE
Formation Top Depth: 0.3330000042915344
Formation End Depth: 1.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Formation ID:	1008149680
Layer:	1
Color:	8
General Color:	BLACK
Material 1:	27
Material 1 Desc:	OTHER
Material 2:	
Material 2 Desc:	
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	0.3330000042915344
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1008149682
Layer:	3
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	77
Material 3 Desc:	LOOSE
Formation Top Depth:	1.5
Formation End Depth:	22.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150217
Layer:	2
Plug From:	11.0
Plug To:	22.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150216
Layer:	1
Plug From:	0.0
Plug To:	11.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008151026
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1008148438
Casing No:	0
Comment:	

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

Alt Name:

Construction Record - Casing

Casing ID:	1008151436
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	12.0
Casing Diameter:	2.0399999618530273
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008151588
Layer:	1
Slot:	10
Screen Top Depth:	12.0
Screen End Depth:	22.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008152221
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1008150672
Diameter:	8.0
Depth From:	0.0
Depth To:	22.0
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	1 of 1	N/32.1	67.9 / -5.61	Bell 3212 Richmond Rd Nepean ON K2H 5B6	GEN

Generator Info

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Generator No: ON5045215
Approval Years: As of Dec 2018
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

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

2017 Generator Info

Gen No: ON5045215
ID: 20018
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 517210
NAICS Code2: 517510
NAICS Code3: 517910
Gen Name: Bell
Gen Div:
Gen Op Name: Bell
Gen Op Div:
Site Adrs1: 3212 Richmond Rd
Site Bldg:
Site Pobox:
Province In: ONTARIO
Site Adrs2:
Site City: Nepean
Province Out:
Site Postal Code: K2H 5B6
Site Country: Canada
Co Official: Martin Girard
Co Admin: ChloÚ Lamothe-Luneau

Choice of Contact: CO_ADMIN
Phone No Official: 514-870-6540 Ext.
Phone No Admin: 514-391-1021 Ext.
County Ont: OTTAWA CARLTON (RM)
County Out:
District: 402

2017 Generator Manifest

ID: 44129
Generator No: ON5045215
Receiver Type: 035
Waste Char: L
Waste Code: 212

Sum Received Qty: 257.0
Waste Class Name: ALIPHATIC SOLVENTS
Count Manifests: 1
District: 402

2018 Generator Info

Gen No: ON5045215
ID: 20123
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 517210
NAICS Code2: 517510
NAICS Code3: 517910
Gen Name: Bell
Gen Div:
Gen Op Name: Bell
Gen Op Div:
Site Adrs1: 3212 Richmond Rd

Choice of Contact: CO_ADMIN
Phone No Official: 514-870-6540 Ext.
Phone No Admin: 514-391-1021 Ext.
County Ont: OTTAWA CARLTON (RM)
County Out:
District: 402

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

Site Bldg:
Site Pobox:
Province In: ONTARIO
Site Adrs2:
Site City: Nepean
Province Out:
Site Postal Code: K2H 5B6
Site Country: Canada
Co Official: Martin Girard
Co Admin: ChloÚ Lamothe-Luneau

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46 **1 of 1** **SSW/32.2** **79.5 / 6.06** **ON** **BORE**

Borehole ID: 848408
OGF ID: 215590038
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 02-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 7.2
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 80
Elev Reliabil Note:
DEM Ground Elev m: 81
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.333075
Longitude DD: -75.809995
UTM Zone: 18
Easting: 436531
Northing: 5020271
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560877
Top Depth: 4
Bottom Depth: 7.2
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE WITH INTERBEDDED SANDY DOLOSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560876
Top Depth: 3
Bottom Depth: 4
Material Color:
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560875
Top Depth: 0
Bottom Depth: 3

Mat Consistency: Stiff
Material Moisture:
Material Texture:

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

Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS BROWN GREY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

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47 | **1 of 1** | **W/34.5** | **74.9 / 1.42** | **ON** | **BORE**

Borehole ID:	848419	**Inclin FLG:**	No
OGF ID:	215590045	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	01-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.33576
Total Depth m:	5.3	**Longitude DD:**	-75.812139
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436366
Drill Method:	Hollow stem auger	**Northing:**	5020571
Orig Ground Elev m:	72.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	76.2		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560904	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560905	**Mat Consistency:**	Stiff
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	2.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: SILTY CLAY TO CLAYEY SILT OCC SAND SEAMS GREY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560906	**Mat Consistency:**	
Top Depth:	2.9	**Material Moisture:**	
Bottom Depth:	3.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	

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

Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560907	**Mat Consistency:**	
Top Depth:	3.2	**Material Moisture:**	
Bottom Depth:	5.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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48 ***1 of 1*** ***SW/35.1*** ***79.9 / 6.45*** ***ON*** ***BORE***

Borehole ID:	848410	**Inclin FLG:**	No
OGF ID:	215590040	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	03-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.333269
Total Depth m:	5	**Longitude DD:**	-75.810572
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436486
Drill Method:	Hollow stem auger	**Northing:**	5020293
Orig Ground Elev m:	79.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	80.9		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560881	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS GREY FIRM TO VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560882	**Mat Consistency:**	
Top Depth:	2.3	**Material Moisture:**	
Bottom Depth:	3.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial

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

Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560883
Top Depth: 3.5
Bottom Depth: 5
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3: Sand
Material 4:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE WITH INTERBEDDED SANDY DOLOSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

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49 | **1 of 1** | **SW/35.3** | **78.9 / 5.39** | **ON** | **BORE**

Borehole ID: 848409
OGF ID: 215590039
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 01-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.6
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 78.9
Elev Reliabil Note:
DEM Ground Elev m: 79.3
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.33369
Longitude DD: -75.810859
UTM Zone: 18
Easting: 436464
Northing: 5020340
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560880
Top Depth: 2.7
Bottom Depth: 4.6
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3: Sand
Material 4:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE WITH INTERBEDDED SANDY DOLOSTONE SOUND UNWEATHERED DOLOSTONE **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560878
Top Depth: 0
Bottom Depth: 2
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Mat Consistency: Firm
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS GREY FIRM TO STIFF **Note: Many records

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

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560879	**Mat Consistency:**	
Top Depth:	2	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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50 | **1 of 1** | **W/38.7** | **73.9 / 0.39** | **ON** | **BORE**

Borehole ID:	848424	**Inclin FLG:**	No
OGF ID:	215590048	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	01-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.33641
Total Depth m:	7.8	**Longitude DD:**	-75.811982
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436379
Drill Method:	Hollow stem auger	**Northing:**	5020643
Orig Ground Elev m:	74.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	75		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560921	**Mat Consistency:**	Compact
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:	5.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL COMPACT TO VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560920	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS FIRM TO VERY STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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

Geology Stratum ID: 6560922
Top Depth: 5.8
Bottom Depth: 7.8
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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51 | **1 of 5** | **N/39.3** | **67.9 / -5.61** | **Britannia Switching Station**
3212 Richmond Road
Ottawa ON | **CA**

Certificate #: 9798-5E4V3N
Application Year: 02
Issue Date: 9/20/02
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: Bell Canada
Client Address: 3212 Richmond Road, Pt. Lot 17, Conc. I I
Client City: Ottawa
Client Postal Code:
Project Description: This application is for the replacement of a generator with a 500 kW emergency generator to provide power in the event of a power failure.
Contaminants:
Emission Control:

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51 | **2 of 5** | **N/39.3** | **67.9 / -5.61** | **BELL CANADA**
3212 RICHMOND RD
OTTAWA ON | **CFOT**

Inventory No: 61744990
Inventory Status: Active
Installation Year: 1996
Capacity: 10000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:

Tank Material: Fiberglass (FRP)
Corrosion Protect: Fiberglass
Overfill Protection:
Inventory Context: FS Fuel Oil Tank
Inventory Item: FS FUEL OIL TANK

---

51 | **3 of 5** | **N/39.3** | **67.9 / -5.61** | **BELL CANADA**
3212 RICHMOND RD
OTTAWA ON | **CFOT**

Inventory No: 64667387
Inventory Status: Active
Installation Year: 1996
Capacity: 10000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:

Tank Material: Fiberglass (FRP)
Corrosion Protect: Fiberglass
Overfill Protection:
Inventory Context: FS Fuel Oil Tank
Inventory Item: FS FUEL OIL TANK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
51	4 of 5	N/39.3	67.9 / -5.61	Bell Canada 3212 Richmond Road Ottawa ON	ECA

Approval No: 9798-5E4V3N
Approval Date: 2002-09-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Bell Canada
Address: 3212 Richmond Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2607-5AJTNM-14.pdf
PDF Site Location:

MOE District: Ottawa
City:
Longitude: -75.8074
Latitude: 45.341713
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
51	5 of 5	N/39.3	67.9 / -5.61	Bell Canada 3212 Richmond Road Ottawa ON	GEN

Generator Info as of Dec 2024

Generator No: ON001061555
Generator Company Name: Bell Canada
Street: 3212 Richmond Road
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2B 8K5
Waste Class: 221 L

Waste Class Decoded:

221 - LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
52	1 of 1	W/39.4	75.0 / 1.51	ON	BORE

Borehole ID: 848426
OGF ID: 215590050
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: JUL-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 9.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 76.6
Elev Reliabil Note:
DEM Ground Elev m: 75.6
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.336039
Longitude DD: -75.812232
UTM Zone: 18
Easting: 436359
Northing: 5020602
Location Accuracy:
Accuracy: Within 10 metres

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

Borehole Geology Stratum

Geology Stratum ID:	6560927	***Mat Consistency:***	Stiff
Top Depth:	2.5	***Material Moisture:***	
Bottom Depth:	5.2	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS GREY STIFF TO VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560926	***Mat Consistency:***	Very Stiff
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	2.5	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Fill	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:	Sand	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT SOME SAND FILL GREY VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560929	***Mat Consistency:***	
Top Depth:	7.6	***Material Moisture:***	
Bottom Depth:	9.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:	Sandstone	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560928	***Mat Consistency:***	Compact
Top Depth:	5.2	***Material Moisture:***	
Bottom Depth:	7.6	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:	Gravel	***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

53	***1 of 1***	***W/45.5***	***73.9 / 0.39***	***ON***	***BORE***

Borehole ID:	848432	***Inclin FLG:***	No
OGF ID:	215590055	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	05-APR-1989	***Municipality:***	
Static Water Level:		***Lot:***	LOT 15
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.3364
Total Depth m:	7	***Longitude DD:***	-75.812084
Depth Ref:	Ground Surface	***UTM Zone:***	18

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Depth Elev:		**Easting:**	436371
Drill Method:	Hollow stem auger	**Northing:**	5020642
Orig Ground Elev m:	74.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	74.9		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560949	**Mat Consistency:**	
Top Depth:	6	**Material Moisture:**	
Bottom Depth:	7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560947	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND FIRM BROWN TO GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560948	**Mat Consistency:**	Very Dense
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:	6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

54 ***1 of 1*** ***W/45.9*** ***73.9 / 0.39*** ***ON*** ***BORE***

Borehole ID:	848345	**Inclin FLG:**	No
OGF ID:	215589975	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	05-APR-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.336427
Total Depth m:	7	**Longitude DD:**	-75.812072
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436372
Drill Method:	Hollow stem auger	**Northing:**	5020645

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

Orig Ground Elev m: 74.4
Elev Reliabil Note:
DEM Ground Elev m: 74.9
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Location Accuracy:
Accuracy: Within 20 metres

Borehole Geology Stratum

Geology Stratum ID: 6560720
Top Depth: 0
Bottom Depth: 4.3
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND FIRM BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560722
Top Depth: 6
Bottom Depth: 7
Material Color:
Material 1: Sandstone
Material 2: Bedrock
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560721
Top Depth: 4.3
Bottom Depth: 6
Material Color:
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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55 | ***1 of 1*** | ***WSW/47.4*** | ***74.9 / 1.39*** | ***ON*** | ***BORE***

Borehole ID: 848427
OGF ID: 215590051
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 01-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 5.8
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 74.8
Elev Reliabil Note:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.335401
Longitude DD: -75.812095
UTM Zone: 18
Easting: 436369
Northing: 5020531
Location Accuracy:
Accuracy: Within 10 metres

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

DEM Ground Elev m: 74.8
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 6560933
Top Depth: 4.1
Bottom Depth: 5.8
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560930
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560931
Top Depth: .3
Bottom Depth: 3
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT OCC SAND SEAMS GREY FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560932
Top Depth: 3
Bottom Depth: 4.1
Material Color:
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

56	1 of 1	W/49.1	75.0 / 1.51	lot 15 con 2 ON	WWIS

Well ID: 1504024
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/08/1961
Selected Flag: TRUE

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3504
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	015
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	OF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504024.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/20/1961
Year Completed:	1961
Depth (m):	22.5552
Latitude:	45.3360830376742
Longitude:	-75.8123400395047
X:	-75.81233987816132
Y:	45.33608303144301
Path:	150\1504024.pdf

Bore Hole Information

Bore Hole ID:	10026067	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	436350.60
Code OB Desc:		***North83:***	5020607.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	01/20/1961	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930998178
Layer:	2
Color:	
General Color:	
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	74.0
Formation End Depth UOM:	ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Overburden and Bedrock Materials Interval

Formation ID: 930998177
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504024
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574637
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044866
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044867
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 74.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504024

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

Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933457076
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74.0
Water Found Depth UOM:	ft

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57 ***1 of 1*** ***W/50.9*** ***74.8 / 1.34*** ***ON*** ***BORE***

Borehole ID:	848428	**Inclin FLG:**	No
OGF ID:	215590052	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	01-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.335831
Total Depth m:	8.9	**Longitude DD:**	-75.812395
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436346
Drill Method:	Hollow stem auger	**Northing:**	5020579
Orig Ground Elev m:	76.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	76.1		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560935	**Mat Consistency:**	Dense
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	7.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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

Geology Stratum ID:	6560936	**Mat Consistency:**	
Top Depth:	7.3	**Material Moisture:**	
Bottom Depth:	8.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560934	**Mat Consistency:**	Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS STIFF TO VERY STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

58	1 of 1	N/53.0	66.9 / -6.61	OTTAWA REGION OTTAWA ON	WWIS

Well ID:	7128817	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	04/04/2008
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z66833	**Contractor:**	7260
Tag:	A046666	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7128817.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/18/2008
Year Completed:	2008
Depth (m):	
Latitude:	45.342184156753
Longitude:	-75.8075207680734
X:	-75.80752060638567
Y:	45.34218415049818
Path:	712\7128817.pdf

Bore Hole Information

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

Bore Hole ID: 1002710847
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/18/2008
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 436735.00
North83: 5021281.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002715752
Layer: 1
Plug From: 0.0
Plug To: 2.430000066757202
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002715757
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1002715749
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002715754
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.699999988079071
Depth To:
Casing Diameter: 16.510000228881836
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002715755
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1002715753
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002715751
Diameter: 16.510000228881836
Depth From: 0.0
Depth To: 29.260000228881836
Hole Depth UOM: m
Hole Diameter UOM: cm

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59 **1 of 1** **WSW/57.1** **75.2 / 1.70** **ON** **BORE**

Borehole ID: 848420
OGF ID: 215590046
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 01-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 5.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 72.9
Elev Reliabil Note:
DEM Ground Elev m: 76.3
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.335516
Longitude DD: -75.812301
UTM Zone: 18
Easting: 436353
Northing: 5020544
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560908
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560909
Top Depth: .3
Bottom Depth: 3
Material Color: Brown-Grey

Mat Consistency: Stiff
Material Moisture:
Material Texture:
Non Geo Mat Type:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560911	**Mat Consistency:**	
Top Depth:	3.7	**Material Moisture:**	
Bottom Depth:	5.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560910	**Mat Consistency:**	Compact
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	3.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND GRAVEL GLACIAL TILL COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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60 **1 of 1** **N/64.5** **66.9 / -6.61** **ON** **BORE**

Borehole ID:	610785	**Inclin FLG:**	No
OGF ID:	215512296	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1972	**Municipality:**	
Static Water Level:	6.3	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.342196
Total Depth m:	8.9	**Longitude DD:**	-75.807321
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436751
Drill Method:		**Northing:**	5021282
Orig Ground Elev m:	66.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	67.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386507	**Mat Consistency:**	Dense
Top Depth:	3.8	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	

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

Material 3: Sand
Material 4: Clay
Geologic Period:
Depositional Gen:
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL, SAND,CLAY. DENSE.

Geology Stratum ID: 218386510
Top Depth: 7.6
Bottom Depth: 8.2
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SILT,GRAVEL. GREY, WATER STABLE AT 196.0 FEET.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218386506
Top Depth: 3
Bottom Depth: 3.8
Material Color:
Material 1: Unknown
Material 2: Till
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL, SAND. DENSE.
Mat Consistency: Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218386503
Top Depth: 0
Bottom Depth: .8
Material Color:
Material 1:
Material 2: Asphalt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: ARTIFICIAL,ASPHALT, SAND,GRAVEL.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218386511
Top Depth: 8.2
Bottom Depth: 8.9
Material Color:
Material 1: Unknown
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED. 00000 010 00025 008 00050 013 00100 013 00125 013 00140 018 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218386509
Top Depth: 5.3
Bottom Depth: 7.6
Material Color:
Material 1: Till
Material 2: Sand
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: TILL,SAND,GRAVEL. DENSE.
Mat Consistency: Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218386505
Top Depth: 1.5
Bottom Depth: 3
Material Color: Brown
Material 1: Sand
Mat Consistency: Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 2:	Clay	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,CLAY. BROWN,GREY,DENSE.		

Geology Stratum ID:	218386508	**Mat Consistency:**	Dense
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:	5.3	**Material Texture:**	Fine to Medium
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,CLAY-FINE TO MEDIUM,GRAVEL. DENSE.		

Geology Stratum ID:	218386504	**Mat Consistency:**	Dense
Top Depth:	.8	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,GRAVEL. DENSE.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032930 NTS_Sheet: 31G05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

61	1 of 1	SSW/68.7	79.9 / 6.39	ON	BORE

Borehole ID:	848546	**Inclin FLG:**	No
OGF ID:	215590167	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	19-OCT-1988	**Municipality:**	
Static Water Level:	0.7	**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.332786
Total Depth m:	10.4	**Longitude DD:**	-75.81022
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436513

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Drill Method:	Hollow stem auger	***Northing:***	5020239
Orig Ground Elev m:	81	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	83		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561344	***Mat Consistency:***	Loose
Top Depth:	.2	***Material Moisture:***	
Bottom Depth:	1.5	***Material Texture:***	
Material Color:	Grey-Brown	***Non Geo Mat Type:***	
Material 1:	Silt	***Geologic Formation:***	
Material 2:	Clay	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:	Gravel	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT AND SANDY SILT TRACE GRAVEL OCC SAND LAYER LOOSE GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561348	***Mat Consistency:***	
Top Depth:	6.4	***Material Moisture:***	
Bottom Depth:	10.4	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK FRESH THIN TO THICKLY BEDDED GREY OCC GREY DOLOSTONE LAYER MARCH FORMATION **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561347	***Mat Consistency:***	
Top Depth:	5	***Material Moisture:***	
Bottom Depth:	6.4	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Layered	***Geologic Period:***	
Material 4:	Shale	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	DOLOSTONE BEDROCK FRESH VERY THIN TO MEDIUM BEDDED GREY SOME SANDY LAYERS OCC SHALE PARTINGS MARCH FORMATION **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561343	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.2	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Topsoil	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561346	***Mat Consistency:***	Loose
Top Depth:	2.6	***Material Moisture:***	
Bottom Depth:	5	***Material Texture:***	
Material Color:	Grey-Brown	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	

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

Material 2:	Silt - Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDY SILT TO SILTY SAND SOME GRAVEL TRACE CLAY GLACIAL TILL LOOSE GREY BROWN TO GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561345	**Mat Consistency:**	Very Stiff
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	2.6	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY AND CLAYEY SILT TRACE SAND AND GRAVEL VERY STIFF GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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62 | ***1 of 1*** | ***SW/69.5*** | ***79.2 / 5.70*** | ***ON*** | ***BORE***

Borehole ID:	848412	**Inclin FLG:**	No
OGF ID:	215590042	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	02-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.333472
Total Depth m:	7.4	**Longitude DD:**	-75.8112
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436437
Drill Method:	Hollow stem auger	**Northing:**	5020316
Orig Ground Elev m:	79.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	79.8		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560888	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	4.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560889	**Mat Consistency:**	
Top Depth:	4.1	**Material Moisture:**	
Bottom Depth:	7.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	

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

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: LIMESTONE BEDROCK SOUND CLAY SEAM **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560887
Top Depth: 0
Bottom Depth: 3
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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63 | ***1 of 1*** | ***SW/70.9*** | ***78.6 / 5.08*** | ***ON*** | ***BORE***

Borehole ID: 848411
OGF ID: 215590041
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 01-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 5
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 78.8
Elev Reliabil Note:
DEM Ground Elev m: 78.9
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.333902
Longitude DD: -75.811487
UTM Zone: 18
Easting: 436415
Northing: 5020364
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560886
Top Depth: 3.5
Bottom Depth: 5
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE WITH INTERBEDDED SANDY DOLOSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560885
Top Depth: 2.3
Bottom Depth: 3.5
Material Color:
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:

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

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

Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560884	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS GREY FIRM TO VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

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64 **1 of 1** **ESE/72.5** **80.9 / 7.39** **ON** **BORE**

Borehole ID:	610752	**Inclin FLG:**	No
OGF ID:	215512263	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.333671
Total Depth m:	-999	**Longitude DD:**	-75.803627
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	437031
Drill Method:		**Northing:**	5020332
Orig Ground Elev m:	83.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	80.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386382	**Mat Consistency:**	Hard
Top Depth:	6.7	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: BEDROCK,LIMESTONE. 60N,STIFF. CLAY,SILT. GREY,STIFF. SAND,SILT. BROWN,HARD. SAND,SILT. G **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218386381	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY.

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

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	M	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032600 NTS_Sheet: 31G05C		
Confiden 1:	Reliable information but incomplete.		

Source List

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

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65 ***1 of 1*** ***WSW/72.9*** ***75.2 / 1.70*** ***ON*** ***BORE***

Borehole ID:	848418	***Inclin FLG:***	No
OGF ID:	215590044	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	06-APR-1989	***Municipality:***	
Static Water Level:		***Lot:***	LOT 15
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.335344
Total Depth m:	4.7	***Longitude DD:***	-75.812414
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436344
Drill Method:	Hollow stem auger	***Northing:***	5020525
Orig Ground Elev m:	73.2	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	74.5		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560902	***Mat Consistency:***	Compact
Top Depth:	2.9	***Material Moisture:***	
Bottom Depth:	3.8	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt - Sand	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL COMPACT GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560901	***Mat Consistency:***	Soft
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	2.9	***Material Texture:***	
Material Color:	Brown-Grey	***Non Geo Mat Type:***	

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

Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND SOFT TO FIRM BROWN-GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560903	**Mat Consistency:**	
Top Depth:	3.8	**Material Moisture:**	
Bottom Depth:	4.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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66 | ***1 of 1*** | ***SW/73.4*** | ***78.6 / 5.08*** | ***ON*** | ***BORE***

Borehole ID:	848569	**Inclin FLG:**	No
OGF ID:	215590190	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	15-MAY-1984	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.333928
Total Depth m:	2.6	**Longitude DD:**	-75.811538
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436411
Drill Method:	Hollow stem auger	**Northing:**	5020367
Orig Ground Elev m:	74.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	78.8		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561430	**Mat Consistency:**	Hard
Top Depth:	2	**Material Moisture:**	
Bottom Depth:	2.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HETEROGENEOUS MIXTURE, SILTY CLAY WITH SAND, SOME GRAVEL, HARD **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561429	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	

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

Material 3: Sand
Material 4: Organic
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SAND, TRACE ORGANICS, FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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67 **1 of 1** **SW/74.9** **79.9 / 6.39** **ON** **BORE**

Borehole ID: 848567
OGF ID: 215590188
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 03-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 3.5
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 80.7
Elev Reliabil Note:
DEM Ground Elev m: 83.2
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.332926
Longitude DD: -75.810784
UTM Zone: 18
Easting: 436469
Northing: 5020255
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561425
Top Depth: 0
Bottom Depth: 2.1
Material Color: Brown
Material 1: Clay
Material 2: Silt
Material 3: clay silt
Material 4: Sand
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT, SOME SAND, OCCASIONAL SAND SEAMS, BROWN, GREY, FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561426
Top Depth: 2.1
Bottom Depth: 3.5
Material Color:
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HET. MIXTURE OF SILT, SAND AND GRAVEL (GLACIAL TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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68 **1 of 1** **WSW/77.8** **76.6 / 3.08** **ON** **BORE**

Borehole ID: 848429
OGF ID: 215590053
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:

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

Completion Date:	02-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.334959
Total Depth m:	5.5	**Longitude DD:**	-75.812242
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436357
Drill Method:	Hollow stem auger	**Northing:**	5020482
Orig Ground Elev m:	77	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	77.2		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560937	**Mat Consistency:**	Very Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS GREY VERY STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560938	**Mat Consistency:**	Compact
Top Depth:	2	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND GRAVEL GLACIAL TILL COMPACT TO DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560939	**Mat Consistency:**	
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	5.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
69	1 of 1	N/78.1	66.9 / -6.61	lot 17 con 2 ON	WWIS

Well ID:	1511844	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/18/1972
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	017
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	OF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511844.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/31/1972
Year Completed: 1972
Depth (m): 31.6992
Latitude: 45.3425050693182
Longitude: -75.8079644182961
X: -75.80796425628255
Y: 45.342505062302976
Path: 151\1511844.pdf

Bore Hole Information

Bore Hole ID:	10033838	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	436700.60
Code OB Desc:		**North83:**	5021317.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	07/31/1972	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6

Location Method Desc: Original Pre1985 UTM Rel Code 6: margin of error : 300 m - 1 km
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931018859
Layer: 3
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 103.0
Formation End Depth: 104.0
Formation End Depth UOM: ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Overburden and Bedrock Materials Interval

Formation ID: 931018858
Layer: 2
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931018857
Layer: 1
Color:
General Color:
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961511844
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10582408
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930060108
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 104.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991511844
Pump Set At:	
Static Level:	18.0
Final Level After Pumping:	33.0
Recommended Pump Depth:	60.0
Pumping Rate:	5.0
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:	24
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934098488
Test Type:	Recovery
Test Duration:	15
Test Level:	18.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384003
Test Type:	Recovery
Test Duration:	30
Test Level:	18.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645576
Test Type:	Recovery
Test Duration:	45
Test Level:	18.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934894290
Test Type:	Recovery
Test Duration:	60
Test Level:	18.0
Test Level UOM:	ft

Water Details

Water ID:	933467123
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	104.0
Water Found Depth UOM:	ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
70	1 of 1	WSW/82.9	75.9 / 2.42	ON	BORE

Borehole ID: 848568
OGF ID: 215590189
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 15-MAY-1984
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 3.5
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 78.7
Elev Reliabil Note:
DEM Ground Elev m: 76.6
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.335137
Longitude DD: -75.812424
UTM Zone: 18
Easting: 436343
Northing: 5020502
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561427
Top Depth: 0
Bottom Depth: 1.2
Material Color:
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SAND, SOFT TO FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561428
Top Depth: 1.2
Bottom Depth: 3.5
Material Color:
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HETEROGENEOUS MIXTURE, SILTY CLAY WITH SAND, SOME GRAVEL, FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
71	1 of 1	W/84.8	73.9 / 0.46	ON	BORE

Borehole ID: 848346
OGF ID: 215589976
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 06-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.3
Depth Ref: Ground Surface

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.336884
Longitude DD: -75.812321
UTM Zone: 18

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

Depth Elev:		**Easting:**	436353
Drill Method:	Hollow stem auger	**Northing:**	5020696
Orig Ground Elev m:	72.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 20 metres
DEM Ground Elev m:	72.9		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560723	**Mat Consistency:**	Soft
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT WITH SOME SAND SOFT TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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72 ***1 of 1*** ***WSW/86.8*** ***78.6 / 5.08*** ***ON*** ***BORE***

Borehole ID:	610756	**Inclin FLG:**	No
OGF ID:	215512267	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JAN-1953	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.334153
Total Depth m:	27.4	**Longitude DD:**	-75.811865
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436386
Drill Method:		**Northing:**	5020392
Orig Ground Elev m:	76.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	78.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386396	**Mat Consistency:**	Compact
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	27.4	**Material Texture:**	Coarse
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,LIMESTONE. BROWN. SAND,SILT-FINE. GREY,BROWN,COMPACT. SAND-MEDIUM TO COARSE. GREY,COMPA **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

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

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: OTTAWA1.txt RecordID: 03264 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

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73 **1 of 1** **WSW/86.8** **78.6 / 5.08** **lot 15 con 2 ON** **WWIS**

Well ID: 1504022
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/12/1953
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3718
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 015
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504022.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/30/1953
Year Completed: 1953
Depth (m): 27.432
Latitude: 45.3341511170481
Longitude: -75.811864460159
X: -75.81186429869337
Y: 45.33415111000685
Path: 150\1504022.pdf

Bore Hole Information

Bore Hole ID: 10026065
DP2BR:
Spatial Status:
Code OB:
Elevation:
Elevrc:
Zone: 18
East83: 436385.70

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Code OB Desc:		***North83:***	5020392.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01/30/1953	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9

Location Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998173
Layer: 1
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 15
Material 2 Desc: LIMESTONE
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504022
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574635
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044864
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044863
Layer: 1
Material: 1

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

Open Hole or Material:	STEEL
Depth From:	
Depth To:	18.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

74 **1 of 1** **W/89.4** **76.0 / 2.47** **ON** **BORE**

Borehole ID:	848347	**Inclin FLG:**	No
OGF ID:	215589977	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	06-APR-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.33598
Total Depth m:	7.9	**Longitude DD:**	-75.812895
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436307
Drill Method:	Hollow stem auger	**Northing:**	5020596
Orig Ground Elev m:	76.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 20 metres
DEM Ground Elev m:	76		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560726	**Mat Consistency:**	
Top Depth:	6.9	**Material Moisture:**	
Bottom Depth:	7.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560725	**Mat Consistency:**	Compact
Top Depth:	5.6	**Material Moisture:**	
Bottom Depth:	6.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt - Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND GRAVEL GLACIAL TILL COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560724	**Mat Consistency:**	Very Soft
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	5.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND VERY SOFT TO FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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75 **1 of 1** **W/90.7** **75.9 / 2.42** **ON** **BORE**

Borehole ID:	848430	**Inclin FLG:**	No
OGF ID:	215590054	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	02-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.335459
Total Depth m:	7	**Longitude DD:**	-75.812734
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436319
Drill Method:	Hollow stem auger	**Northing:**	5020538
Orig Ground Elev m:	75.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	74.8		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560941	**Mat Consistency:**	Firm
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	4.7	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND OCC SAND SEAMS FIRM TO STIFF BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560940	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560943	**Mat Consistency:**	
Top Depth:	5.5	**Material Moisture:**	
Bottom Depth:	7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: BEDROCK SANDSTONE SOUND UNWEATHERED **Note: Many records provided by the department have a

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

truncated [Stratum Description] field.

Geology Stratum ID:	6560942	**Mat Consistency:**	
Top Depth:	4.7	**Material Moisture:**	
Bottom Depth:	5.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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76 | **1 of 1** | **N/92.7** | **66.9 / -6.61** | **s. 21 Ottawa ON** | **SPL**

Ref No:	7302-BTUKN4	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	9/27/2020	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	9/27/2020	**Impact to Health:**	2 - Minor Environment
Dt Document Closed:	2/8/2021	**Agency Involved:**	

Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Intersection<UNOFFICIAL>
Site Address: s. 21
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing: 5021329
Easting: 436719
Entity Operating Name:
Client Name:
Client Type:
Source Type: Motor Vehicle
Incident Cause:
Incident Preceding Spill: Operator/Human error
Incident Reason: Unknown / N/A
Incident Summary: MVA: motor oil to CB, City of Ottawa response
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 0 other - see incident description
Contaminant Qty 1: 0
Contaminant Unit: other - see incident description
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1993
Receiving Medium: Land
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Industrial
SAC Action Class:
Call Report Locatn Geodata:

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

Time Reported:
System Facility Address:

77 ***1 of 1*** ***SSW/103.3*** ***81.4 / 7.95*** ***ON*** ***BORE***

Borehole ID:	848478	***Inclin FLG:***	No
OGF ID:	215590099	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	29-JUN-1990	***Municipality:***	
Static Water Level:		***Lot:***	ROAD
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.332074
Total Depth m:	14.9	***Longitude DD:***	-75.808998
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436608
Drill Method:	Hollow stem auger	***Northing:***	5020159
Orig Ground Elev m:	85.3	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	83.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561133	***Mat Consistency:***	
Top Depth:	11.8	***Material Moisture:***	
Bottom Depth:	12.1	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	sand silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT (GLACIAL TILL), GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561129	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.4	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Fill	***Geologic Formation:***	
Material 2:	Sand - Gravel	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	FILL - MIXTURE OF SAND AND GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561131	***Mat Consistency:***	Stiff
Top Depth:	.7	***Material Moisture:***	
Bottom Depth:	4.4	***Material Texture:***	
Material Color:	Grey-Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:	Weathered	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SAND SEAM (WEATHERED CRUST), STIFF TO VERY STIFF, GREY BROWN		

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561130	**Mat Consistency:**	
Top Depth:	.4	**Material Moisture:**	
Bottom Depth:	.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561132	**Mat Consistency:**	Firm
Top Depth:	4.4	**Material Moisture:**	
Bottom Depth:	11.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SAND SEAM, FIRM, GREY, TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561134	**Mat Consistency:**	
Top Depth:	12.1	**Material Moisture:**	
Bottom Depth:	14.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	DOLOMITIC LIMESTONE BEDROCK WITH 356 MM NEAR VERTICAL SEAM, SOME SHALY PARTINGS AND SOME CALCITE INCLUSIONS AND NODULES, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
78	1 of 1	NNE/104.3	66.9 / -6.61	SHELL CANADA PRODUCTS LTD. 2 ALEUTIAN ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2H 7C8	SPL

Ref No:	65530	**Municipality No:**	20104
Year:		**Nature of Damage:**	
Incident Dt:	12/24/1991	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	12/24/1991	**Impact to Health:**	
Dt Document Closed:		**Agency Involved:**	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	NEPEAN CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			

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

Client Name:	
Client Type:	
Source Type:	
Incident Cause:	PIPE/HOSE LEAK
Incident Preceding Spill:	
Incident Reason:	ICE/FROST DAMAGE
Incident Summary:	SHELL: 11 L FURNACE OIL TO ROAD FROM TANK TRUCK DUE TO RUPTURED HOSE.
Environment Impact:	NOT ANTICIPATED
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

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79 | ***1 of 1*** | ***SSW/105.8*** | ***79.8 / 6.36*** | ***ON*** | ***BORE***

Borehole ID:	848472	**Inclin FLG:**	No
OGF ID:	215590093	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	28-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.332302
Total Depth m:	9.8	**Longitude DD:**	-75.809882
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436539
Drill Method:	Hollow stem auger	**Northing:**	5020185
Orig Ground Elev m:	85.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	84.4		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561105	**Mat Consistency:**	
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	8.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

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

Stratum Description: SILTY CLAY, OCCASIONAL SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561106	**Mat Consistency:**	
Top Depth:	8.2	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial

Gsc Material Description:

Stratum Description: SANDY SILT, SOME GRAVEL AND CLAY (GLACIAL TILL), GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561103	**Mat Consistency:**	
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: SANDY SILT, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561102	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561104	**Mat Consistency:**	
Top Depth:	.7	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	

Gsc Material Description:

Stratum Description: SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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80 | ***1 of 1*** | ***SSW/109.8*** | ***81.4 / 7.95*** | ***ON*** | ***BORE***

Borehole ID:	848479	**Inclin FLG:**	No
OGF ID:	215590100	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	29-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	ROAD
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.332011
Total Depth m:	12.5	**Longitude DD:**	-75.808946
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436612

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Drill Method:	Hollow stem auger	**Northing:**	5020152
Orig Ground Elev m:	85.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	83.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561135	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand - Gravel	**Geologic Group:**	
Material 3:	cobble	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	FILL - MIXTURE OF SAND AND GRAVEL, OCCASIONAL COBBLE.		

Geology Stratum ID:	6561137	**Mat Consistency:**	
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	4.6	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561138	**Mat Consistency:**	
Top Depth:	4.6	**Material Moisture:**	
Bottom Depth:	11.4	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SILTY FINE SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561139	**Mat Consistency:**	
Top Depth:	11.4	**Material Moisture:**	
Bottom Depth:	12.5	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, SOME GRAVEL AND CLAY (GLACIAL TILL), GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561136	**Mat Consistency:**	
Top Depth:	1.1	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	

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

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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81 | **1 of 1** | **ESE/110.3** | **82.0 / 8.54** | **lot 35 con 3 ON** | **WWIS**

Well ID: 1506070
Construction Date:
Use 1st: Commerical
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/16/1959
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 035
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506070.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/27/1958
Year Completed: 1958
Depth (m): 45.72
Latitude: 45.3334928695557
Longitude: -75.8031142540679
X: -75.80311409273814
Y: 45.33349286346685
Path: 150\1506070.pdf

Bore Hole Information

Bore Hole ID: 10028113
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/27/1958
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 437070.60
North83: 5020312.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Formation ID: 931003714
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 52.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003713
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506070
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10576683
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930048975
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 52.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930048976

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

Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 150.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991506070
Pump Set At:
Static Level: 38.0
Final Level After Pumping: 110.0
Recommended Pump Depth:
Pumping Rate: 125.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 48
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933460145
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 150.0
Water Found Depth UOM: ft

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82 **1 of 1** **W/113.6** **73.9 / 0.43** **ON** **BORE**

Borehole ID: 848338
OGF ID: 215589968
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 05-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.4
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 72.2
Elev Reliabil Note:
DEM Ground Elev m: 72.4
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.337225
Longitude DD: -75.812504
UTM Zone: 18
Easting: 436339
Northing: 5020734
Location Accuracy:
Accuracy: Within 20 metres

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

Borehole Geology Stratum

Geology Stratum ID:	6560703	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Topsoil	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560704	***Mat Consistency:***	
Top Depth:	.7	***Material Moisture:***	
Bottom Depth:	1.4	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560705	***Mat Consistency:***	Compact
Top Depth:	1.4	***Material Moisture:***	
Bottom Depth:	3.2	***Material Texture:***	
Material Color:	Brown-Grey	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt - Sand - Gravel	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL COMPACT GLACIAL TILL BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560706	***Mat Consistency:***	
Top Depth:	3.2	***Material Moisture:***	
Bottom Depth:	4.4	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Sandstone	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SANDSTONE BEDORCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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83 ***1 of 1*** ***SSW/123.9*** ***80.8 / 7.34*** ***ON*** ***BORE***

Borehole ID:	848460	***Inclin FLG:***	No
OGF ID:	215590081	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	28-JUN-1990	***Municipality:***	
Static Water Level:		***Lot:***	LOT 15
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.332263
Total Depth m:	9	***Longitude DD:***	-75.810302
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436506

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

Drill Method:	Hollow stem auger	**Northing:**	5020181
Orig Ground Elev m:	85.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	84.9		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561034	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561037	**Mat Consistency:**	
Top Depth:	6.7	**Material Moisture:**	
Bottom Depth:	9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Clay - Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, TRACE TO SOME CLAY AND GRAVEL (GLACIAL TILL), GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561036	**Mat Consistency:**	
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	6.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SITLY SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561035	**Mat Consistency:**	
Top Depth:	.4	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SILTY SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
84	1 of 1	SSW/125.2	80.4 / 6.93	ON	BORE

Borehole ID:	848435	**Inclin FLG:**	No
OGF ID:	215590057	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No

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

Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	03-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	ROAD
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331884
Total Depth m:	12.2	**Longitude DD:**	-75.809084
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436601
Drill Method:	Hollow stem auger	**Northing:**	5020138
Orig Ground Elev m:	85.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560955	**Mat Consistency:**	Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	8.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT GREY OCC SAND SEAMS STIFF FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560956	**Mat Consistency:**	
Top Depth:	8.7	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
85	1 of 1	SSW/129.2	81.4 / 7.92	ON	BORE

Borehole ID:	848480	**Inclin FLG:**	No
OGF ID:	215590101	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	13-JUL-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331832
Total Depth m:	14.7	**Longitude DD:**	-75.808854
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436619
Drill Method:	Hollow stem auger	**Northing:**	5020132
Orig Ground Elev m:	85.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	84.1		
Concession:	CON 3		

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 6561140
Top Depth: 0
Bottom Depth: .2
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561145
Top Depth: 12
Bottom Depth: 14.7
Material Color: Grey
Material 1: Bedrock
Material 2: Limestone
Material 3: Dolomite
Material 4: Shale
Gsc Material Description:
Stratum Description: DOLOMITIC LIMESTONE BEDROCK, FRESH, SOME SHALE PARTINGS, SOME COARSE SANDSTONE SEAMS, OCCASIONAL CALCITE INCLUSIONS, TRACE PYRITE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561144
Top Depth: 9.5
Bottom Depth: 12
Material Color: Grey
Material 1: Till
Material 2: sand silt
Material 3: clay silt
Material 4: Clay - Gravel
Gsc Material Description:
Stratum Description: SANDY SILT TO CLAYEY SILT, SOME CLAY AND GRAVEL (GLACIAL TILL), VERY LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561141
Top Depth: .2
Bottom Depth: 2.9
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4: Silt
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND LAYER (WEATHERED CRUST), VERY STIFF TO STIFF, GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561142
Top Depth: 2.9
Bottom Depth: 8.5
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4: Silt
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND LAYER, FIRM, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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

Geology Stratum ID: 6561143
Top Depth: 8.5
Bottom Depth: 9.5
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4: Silt
Gsc Material Description:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND LAYERS, TRACE GRAVEL, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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86 **1 of 1** **W/129.5** **75.6 / 2.14** **ON** **BORE**

Borehole ID: 848348
OGF ID: 215589978
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 06-APR-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.1
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 74.3
Elev Reliabil Note:
DEM Ground Elev m: 74.7
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.336428
Longitude DD: -75.813246
UTM Zone: 18
Easting: 436280
Northing: 5020646
Location Accuracy:
Accuracy: Within 20 metres

Borehole Geology Stratum

Geology Stratum ID: 6560727
Top Depth: 0
Bottom Depth: 3.7
Material Color: Brown-Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Mat Consistency: Soft
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: SILTY CLAY TO CLAYEY SILT SOME SAND SOFT TO FIRM BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560728
Top Depth: 3.7
Bottom Depth: 4.1
Material Color:
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen: glacial
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
87	1 of 1	E/132.3	76.6 / 3.08	59 A Okanagan Drive Nepean ON K2H 7G3	EHS

Order No:	24021400336	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	08-MAR-24	**Search Radius (km):**	.25
Date Received:	14-FEB-24	**X:**	-75.80251925
Previous Site Name:		**Y:**	45.33535081
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
88	1 of 1	SSW/133.0	80.4 / 6.93	ON	BORE

Borehole ID:	848656	**Inclin FLG:**	No
OGF ID:	215590276	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	25-JUL-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331821
Total Depth m:	9.8	**Longitude DD:**	-75.809147
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436596
Drill Method:	Diamond Drill	**Northing:**	5020131
Orig Ground Elev m:	86.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561783	**Mat Consistency:**	
Top Depth:	.4	**Material Moisture:**	
Bottom Depth:	.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561787	**Mat Consistency:**	Very Loose
Top Depth:	8.6	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	VERY LOOSE TO DENSE GREY SANDY SILT SOME GRAVEL AND CLAY GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561784	**Mat Consistency:**	Very Stiff

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

Top Depth:	.7	**Material Moisture:**	
Bottom Depth:	4.1	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: VERY STIFF GREY BROWN SILTY CLAY OCC SILTY SAND SEAM (WEATHERED CRUST) **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561786	**Mat Consistency:**	Very Loose
Top Depth:	6.2	**Material Moisture:**	
Bottom Depth:	8.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: VERY LOOSE GREY SILTY SAND AND GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561782	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Organic	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: DARK BROWN SILTY CLAY SOME GRAVEL AND ORGANIC MATTER **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561785	**Mat Consistency:**	Firm
Top Depth:	4.1	**Material Moisture:**	
Bottom Depth:	6.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: FIRM TO STIFF GREY SILTY CLAY, OCC SILTY SAND SEAM **Note: Many records provided by the department have a truncated [Stratum Description] field.

89	***1 of 1***	***SE/135.5***	***82.9 / 9.39***	***2 Valley Stream Drive Ottawa ON***	***EHS***

Order No:	20110412010	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	4/18/2011	**Search Radius (km):**	0.25
Date Received:	4/12/2011 9:24:09 AM	**X:**	-75.803809
Previous Site Name:		**Y:**	45.33293
Lot/Building Size:			
Additional Info Ordered:			

90	***1 of 1***	***S/139.3***	***83.6 / 10.07***	***ON***	***BORE***

Borehole ID:	848453	**Inclin FLG:**	No

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

OGF ID:	215590074	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	11-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331727
Total Depth m:	12.8	**Longitude DD:**	-75.80838
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436656
Drill Method:	Hollow stem auger	**Northing:**	5020120
Orig Ground Elev m:	85.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561011	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	Moist
Bottom Depth:	11.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGHT PLASTICITY CI-CH MARINE DEPOSIT FIRM TO STIFF GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561012	**Mat Consistency:**	Very Loose
Top Depth:	11.9	**Material Moisture:**	Wet
Bottom Depth:	12.8	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND AND SILT WITH SOME CLAY WET LOW PLASTICITY TO NON PLASTIC SM-ML TILL VERY LOOSE DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
91	1 of 1	N/140.7	66.9 / -6.61	ON	BORE

Borehole ID:	610786	**Inclin FLG:**	No
OGF ID:	215512297	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	7.7	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.342918
Total Depth m:	-999	**Longitude DD:**	-75.807076
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436771
Drill Method:		**Northing:**	5021362
Orig Ground Elev m:	67.5	**Location Accuracy:**	

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

Elev Reliabil Note: **Accuracy:** Not Applicable
DEM Ground Elev m: 65.9
Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218386512 **Mat Consistency:** Loose
Top Depth: 0 **Material Moisture:**
Bottom Depth: 7.4 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Sand **Geologic Formation:**
Material 2: Silt **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SAND,SILT. LOOSE.

Geology Stratum ID: 218386513 **Mat Consistency:** Stiff
Top Depth: 7.4 **Material Moisture:**
Bottom Depth: 7.7 **Material Texture:**
Material Color: Grey **Non Geo Mat Type:**
Material 1: Clay **Geologic Formation:**
Material 2: Silt **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: CLAY. GREY,STIFF.

Geology Stratum ID: 218386514 **Mat Consistency:** Dense
Top Depth: 7.7 **Material Moisture:**
Bottom Depth: **Material Texture:**
Material Color: Brown **Non Geo Mat Type:**
Material 1: Sand **Geologic Formation:**
Material 2: **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SAND. FIRM,GRADED. AY. BROWN,GREY,DENSE. UNSPECIFIED,TILL, SAND. DENSE. UNSPECIFIED,TILL, S **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey **Source Appl:** Spatial/Tabular
Source Orig: Geological Survey of Canada **Source Iden:** 1
Source Date: 1956-1972 **Scale or Res:** Varies
Confidence: H **Horizontal:** NAD27
Observatio: **Verticalda:** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 032940 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
92	1 of 1	ESE/141.8	77.5 / 4.03	ON	BORE

Borehole ID:	610762	**Inclin FLG:**	No
OGF ID:	215512273	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	DEC-1972	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.334852
Total Depth m:	12.2	**Longitude DD:**	-75.802112
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	437151
Drill Method:		**Northing:**	5020462
Orig Ground Elev m:	78	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	78.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386421	**Mat Consistency:**	Firm
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT,SAND. GREY,BROWN,FIRM,STIFF. 00090 040 00030014000900020005 5 038 00100 010 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218386419	**Mat Consistency:**	Compact
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL,SAND, GRAVEL,SILT. BROWN,GREY,COMPACT.		

Geology Stratum ID:	218386420	**Mat Consistency:**	Stiff
Top Depth:	.9	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,VERY STIFF,WEATHERED.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular

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

Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032700 NTS_Sheet: 31G05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

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93 ***1 of 1*** ***SSW/143.5*** ***80.1 / 6.66*** ***ON*** ***BORE***

Borehole ID:	848473	**Inclin FLG:**	No
OGF ID:	215590094	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	28-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331871
Total Depth m:	11.1	**Longitude DD:**	-75.809722
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436551
Drill Method:	Hollow stem auger	**Northing:**	5020137
Orig Ground Elev m:	86	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.4		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561107	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	FILL - MIXTURE OF SAND SILT AND GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561110	**Mat Consistency:**	
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	8.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	

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

Gsc Material Description:
Stratum Description: SILTY CLAY, OCCASIONAL SILTY FINE SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561111	**Mat Consistency:**	
Top Depth:	8.6	**Material Moisture:**	
Bottom Depth:	11.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: SANDY SILT, SOME GRAVEL AND CLAY (GLACIAL TILL), GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561108	**Mat Consistency:**	
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561109	**Mat Consistency:**	
Top Depth:	.9	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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94 | ***1 of 1*** | ***WNW/145.6*** | ***73.2 / -0.30*** | ***ON*** | ***BORE***

Borehole ID:	848571	**Inclin FLG:**	No
OGF ID:	215590192	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	02-AUG-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.337593
Total Depth m:	2.3	**Longitude DD:**	-75.812714
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436323
Drill Method:	Hollow stem auger	**Northing:**	5020775
Orig Ground Elev m:	71.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	72		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

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

Geology Stratum ID:	6561436	**Mat Consistency:**	Compact
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	2.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt - Sand - Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HET. MIXTURE OF SILT, SAND AND GRAVEL, GREY, COMPACT TO VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561435	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

95 **1 of 1** **SSW/147.7** **80.8 / 7.34** **ON** **BORE**

Borehole ID:	848461	**Inclin FLG:**	No
OGF ID:	215590082	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	28-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331985
Total Depth m:	12.1	**Longitude DD:**	-75.810183
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436515
Drill Method:	Hollow stem auger	**Northing:**	5020150
Orig Ground Elev m:	85.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.8		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561039	**Mat Consistency:**	Stiff
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SILTY FINE SAND SEAMS (WEATHERED CRUST), STIFF TO VERY STIFF, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561041	**Mat Consistency:**	Loose
Top Depth:	7	**Material Moisture:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Bottom Depth:	9.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: SANDY SILT, SOME GRAVEL AND CLAY, OCCASIONAL COBBLE (GLACIAL TILL), LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561042	**Mat Consistency:**	
Top Depth:	9.2	**Material Moisture:**	
Bottom Depth:	12.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Dolomite	**Geologic Group:**	
Material 3:	Bedrock	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: DOLOMITIC LIMESTONE BEDROCK, FRESH, SOME SHALE PARTINGS, OCCASIONAL SANDSTONE LAYERS, TRACE PYRITE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561038	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561040	**Mat Consistency:**	Firm
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: SILTY CLAY, OCCASIONAL SAND SEAMS, FIRM, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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96 | **1 of 1** | **S/150.5** | **80.8 / 7.27** | **ON** | **BORE**

Borehole ID:	848452	**Inclin FLG:**	No
OGF ID:	215590073	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	10-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331635
Total Depth m:	14.4	**Longitude DD:**	-75.808698
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436631
Drill Method:	Hollow stem auger	**Northing:**	5020110
Orig Ground Elev m:	84.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.5		

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Concession: CON 3
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 6561010
Top Depth: 11.9
Bottom Depth: 14.4
Material Color: Grey
Material 1: Limestone
Material 2: Bedrock
Material 3: Dolomite
Material 4: Shale
Gsc Material Description:
Stratum Description: LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561008
Top Depth: 0
Bottom Depth: 10
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGHT PLASTICITY CI-CH MARINE DEPOSIT STIFF TO SOFT TO FIRM WITH DEPTH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561009
Top Depth: 10
Bottom Depth: 11.9
Material Color: Dark
Material 1: Sand
Material 2: Silt
Material 3: Gravel
Material 4: Clay
Gsc Material Description:
Stratum Description: SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET LOW PLASTICITY TO NON PLASTICITY SM-ML TILL VERY LOOSE DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
97	1 of 1	NNE/151.1	66.9 / -6.61	lot 17 con 2 ON	WWIS

Well ID: 1517574
Construction Date:
Use 1st: Public
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/24/1981
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 017
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Static Water Level: ***Zone:***
Clear/Cloudy: ***UTM Reliability:***
Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517574.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/20/1981
Year Completed: 1981
Depth (m): 24.384
Latitude: 45.342552706581
Longitude: -75.8063185152537
X: -75.80631835367849
Y: 45.34255270042077
Path: 151\1517574.pdf

Bore Hole Information

Bore Hole ID: 10039446 ***Elevation:***
DP2BR: ***Elevrc:***
Spatial Status: ***Zone:*** 18
Code OB: ***East83:*** 436829.60
Code OB Desc: ***North83:*** 5021321.00
Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 4
Date Completed: 05/20/1981 ***UTMRC Desc:*** margin of error : 30 m - 100 m
Remarks: ***Location Method:*** p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931035612
Layer: 2
Color: 2
General Color: GREY
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931035611
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517574
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10588016
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930068981
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	31.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991517574
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934102105
Test Type:	Draw Down
Test Duration:	15
Test Level:	20.0

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

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934375993
Test Type: Draw Down
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933474073
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 75.0
Water Found Depth UOM: ft

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98 | **1 of 1** | **W/152.7** | **74.8 / 1.36** | **ON** | **BORE**

Borehole ID: 848570
OGF ID: 215590191
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 01-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 5.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 72.9
Elev Reliabil Note:
DEM Ground Elev m: 73.4
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.336823
Longitude DD: -75.813315
UTM Zone: 18
Easting: 436275
Northing: 5020690
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561432
Top Depth: .3
Bottom Depth: 3
Material Color: Brown
Material 1: Clay
Material 2: clay silt
Material 3: Sand
Material 4: Sand
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT, SOME SAND, OCCASIONAL SAND SEAMS, STIFF, BROWN, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561434
Top Depth: 3.7
Bottom Depth: 5.3
Material Color:
Material 1: Sandstone

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

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

Material 2: Bedrock
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SANDSTONE, BEDROCK, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561433
Top Depth: 3
Bottom Depth: 3.7
Material Color:
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HET. MIXTURE OF SILT, SAND AND GRAVEL (GLACIAL TILL), COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561431
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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99 | **1 of 1** | **SSW/156.5** | **80.7 / 7.20** | **ON** | **BORE**

Borehole ID: 848451
OGF ID: 215590072
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 09-NOV-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 13.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 85
Elev Reliabil Note:
DEM Ground Elev m: 86.8
Concession: CON 3
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 35
Township: NEPEAN
Latitude DD: 45.331597
Longitude DD: -75.809055
UTM Zone: 18
Easting: 436603
Northing: 5020106
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561005
Top Depth: 0
Bottom Depth: 7.6
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4:

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

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

Gsc Material Description:
Stratum Description: SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGHT PLASTICITY CI-CH MARINE DEPOSIT FIRM TO SOFT WITH DEPTH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561007	**Mat Consistency:**	
Top Depth:	11.5	**Material Moisture:**	
Bottom Depth:	13.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	

Gsc Material Description:
Stratum Description: LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS VERY STRONG FRESH VERTICAL JOINTS AT APPROX 13m DEPTH OCC SHALY PARTINGS GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561006	**Mat Consistency:**	Very Loose
Top Depth:	7.6	**Material Moisture:**	Wet
Bottom Depth:	11.5	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET LOW PLASTICITY TO NONPLASTICITY RAPID DILATANCY SM-ML TILL VERY LOOSE TO LOOSE DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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100 **1 of 1** **SSW/157.1** **80.1 / 6.66** **ON** **BORE**

Borehole ID:	848474	**Inclin FLG:**	No
OGF ID:	215590095	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	25-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	ROAD
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331709
Total Depth m:	11.6	**Longitude DD:**	-75.809643
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436557
Drill Method:	Hollow stem auger	**Northing:**	5020119
Orig Ground Elev m:	86.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561113	**Mat Consistency:**	
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	

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

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561112
Top Depth: 0
Bottom Depth: .5
Material Color:
Material 1: Fill
Material 2: Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: FILL - MIXTURE OF SAND AND GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561115
Top Depth: 4
Bottom Depth: 8.4
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY, OCCASIONAL SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561116
Top Depth: 8.4
Bottom Depth: 11.6
Material Color: Grey
Material 1: Till
Material 2: sand silt
Material 3: Gravel
Material 4: Clay
Gsc Material Description:
Stratum Description: SANDY SILT, SOME GRAVEL AND CLAY (GLACIAL TILL), LOOSE, GREY, DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561114
Top Depth: .8
Bottom Depth: 4
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4: Silt
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
101	1 of 1	NNE/162.0	67.9 / -5.61	Greenbank Road & Fallowfield Road Ottawa ON	EHS

Order No: 20040325013
Status: C
Report Type: Custom Report
Report Date: 4/20/04
Date Received: 3/15/04
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.805115
Y: 45.340743

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
102	1 of 1	SSW/163.2	81.3 / 7.80	ON	BORE

Borehole ID: 848434
OGF ID: 215590056
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 03-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 10.4
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 86.1
Elev Reliabil Note:
DEM Ground Elev m: 86
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.331761
Longitude DD: -75.809976
UTM Zone: 18
Easting: 436531
Northing: 5020125
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6560954
Top Depth: 7.6
Bottom Depth: 10.4
Material Color:
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HET MIXT OF SILT SAND AND GRAVEL GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560953
Top Depth: 0
Bottom Depth: 7.6
Material Color:
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT STIFF TO HARD FIRM OCC SAND SEAMS **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
103	1 of 1	WSW/163.9	77.9 / 4.44	Richmond Rd E of Baseline Rd S Ottawa ON	EHS

Order No: 20051017027
Status: C
Report Type: Site Report
Report Date: 10/18/2005
Date Received: 10/17/2005
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: QC
Search Radius (km): 0.25
X:
Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
104	1 of 1	N/167.0	66.9 / -6.61	21471798 - Richmond Rd Culvert Ottawa ON K2H	EHS

Order No: 21072700585
Status: C
Report Type: Standard Report
Report Date: 30-JUL-21
Date Received: 27-JUL-21
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.8071943
Y: 45.3432141

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
105	1 of 1	SSW/167.0	80.7 / 7.17	ON	BORE

Borehole ID: 848450
OGF ID: 215590071
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 08-NOV-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 12.1
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 85.1
Elev Reliabil Note:
DEM Ground Elev m: 86.8
Concession: CON 3
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 35
Township: NEPEAN
Latitude DD: 45.331558
Longitude DD: -75.809437
UTM Zone: 18
Easting: 436573
Northing: 5020102
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561004
Top Depth: 10.6
Bottom Depth: 12.1
Material Color: Grey
Material 1: Limestone
Material 2: Bedrock
Material 3: Dolomite
Material 4: Shale
Gsc Material Description:
Stratum Description: LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561002
Top Depth: 0
Bottom Depth: 6.2
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4:
Gsc Material Description:
Stratum Description: SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGHT PLASTICITY CI-CH MARINE DEPOSIT FIRM GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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

Geology Stratum ID:	6561003	**Mat Consistency:**	Loose
Top Depth:	6.2	**Material Moisture:**	Wet
Bottom Depth:	10.6	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET LOW PLASTICITY TO NONPLASTICITY RAPID DILATANCY SM-ML TILL LOOSE DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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106 | **1 of 1** | **ESE/171.6** | **81.9 / 8.40** | **91 Valley Stream Dr Ottawa ON K2H9G8** | **EHS**

Order No:	20170524035	**Nearest Intersection:**	
Status:	C	**Municipality:**	Ottawa
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	30-MAY-17	**Search Radius (km):**	.25
Date Received:	24-MAY-17	**X:**	-75.802235
Previous Site Name:	Has always been apartment	**Y:**	45.333277
Lot/Building Size:			
Additional Info Ordered:			

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107 | **1 of 1** | **S/172.0** | **82.0 / 8.51** | **ON** | **BORE**

Borehole ID:	848446	**Inclin FLG:**	No
OGF ID:	215590068	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	04-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331431
Total Depth m:	16.3	**Longitude DD:**	-75.808338
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436659
Drill Method:	Hollow stem auger	**Northing:**	5020087
Orig Ground Elev m:	86.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.5		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560986	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: GRAVELLY SILTY SAND POSSIBLE FILL BROWN **Note: Many records provided by the department have a

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

truncated [Stratum Description] field.

Geology Stratum ID:	6560990	**Mat Consistency:**	
Top Depth:	13.8	**Material Moisture:**	
Bottom Depth:	16.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Calcite	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC CALCITE FILLED VUGS AND SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560988	**Mat Consistency:**	Soft
Top Depth:	2.1	**Material Moisture:**	Moist
Bottom Depth:	12.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGH PLASTICITY CI-CH MARINE DEPOSIT SOFT TO FIRM GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560987	**Mat Consistency:**	
Top Depth:	1.3	**Material Moisture:**	
Bottom Depth:	2.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY SOME BLACK MOTTLING GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560989	**Mat Consistency:**	Compact
Top Depth:	12.8	**Material Moisture:**	
Bottom Depth:	13.8	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND AND SILT WITH SOME GRAVEL AND SOME CLAY SM-ML TILL COMPACT DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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108 | ***1 of 1*** | ***W/174.0*** | ***74.8 / 1.36*** | ***ON*** | ***BORE***

Borehole ID:	848339	**Inclin FLG:**	No
OGF ID:	215589969	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	06-APR-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 15
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.336848
Total Depth m:	4.7	**Longitude DD:**	-75.813597

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436253
Drill Method:	Hollow stem auger	**Northing:**	5020693
Orig Ground Elev m:	73.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 20 metres
DEM Ground Elev m:	73.6		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560708	**Mat Consistency:**	Compact
Top Depth:	2.9	**Material Moisture:**	
Bottom Depth:	3.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt - Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET MIXT OF SILT SAND GRAVEL COMPACT GLACIAL TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560707	**Mat Consistency:**	Soft
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.9	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT SOME SAND SOFT TO FIRM BROWN GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560709	**Mat Consistency:**	
Top Depth:	3.8	**Material Moisture:**	
Bottom Depth:	4.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANSTONE BEDROCK SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

109 ***1 of 1*** ***S/176.0*** ***82.0 / 8.51*** ***ON*** ***BORE***

Borehole ID:	848481	**Inclin FLG:**	No
OGF ID:	215590102	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	27-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331402
Total Depth m:	13.5	**Longitude DD:**	-75.808567
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436641

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Drill Method:	Hollow stem auger	**Northing:**	5020084
Orig Ground Elev m:	86.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86.1		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561146	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	FILL - MIXTURE OF SAND AND GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561149	**Mat Consistency:**	
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	12.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SILT SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561150	**Mat Consistency:**	
Top Depth:	12.1	**Material Moisture:**	
Bottom Depth:	13.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, SOME GRAVEL AND CLAY (GLACIAL TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561147	**Mat Consistency:**	
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561148	**Mat Consistency:**	
Top Depth:	.8	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 4: Weathered
Depositional Gen:
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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110 **1 of 1** **SSW/176.1** **82.8 / 9.29** **ON** **BORE**

Borehole ID:	848462	**Inclin FLG:**	No
OGF ID:	215590083	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	28-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	ROAD
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331653
Total Depth m:	10.4	**Longitude DD:**	-75.810038
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436526
Drill Method:	Hollow stem auger	**Northing:**	5020113
Orig Ground Elev m:	86.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561043	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: FILL - SAND AND GRAVEL, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561048	**Mat Consistency:**	
Top Depth:	9.7	**Material Moisture:**	
Bottom Depth:	10.4	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Clay - Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: SANDY SILT, SOME CLAY AND GRAVEL (GLACIAL TILL), GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561047	**Mat Consistency:**	
Top Depth:	8.5	**Material Moisture:**	
Bottom Depth:	9.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	clay silt	**Geologic Period:**	
Material 4:	Layered	**Depositional Gen:**	

Gsc Material Description:

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

Stratum Description: SILTY CLAY AND CLAYEY SILT, LAYERED, SOME SAND SEAMS AND GRAVEL, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561046
Top Depth: 4
Bottom Depth: 8.5
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4: Silt
Gsc Material Description:
Mat Consistency: Firm
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Stratum Description: SILTY CLAY, OCCASIONAL SILTY SAND SEAMS, FIRM, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561045
Top Depth: .5
Bottom Depth: 4
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4:
Gsc Material Description:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Stratum Description: SILTY CLAY, OCCASIONAL SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561044
Top Depth: .3
Bottom Depth: .5
Material Color: Brown
Material 1: Topsoil
Material 2: Silt
Material 3: Dark-Coloured
Material 4:
Gsc Material Description:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Stratum Description: SILTY TOPSOIL, DARK BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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111 | **1 of 1** | **ESE/177.4** | **81.9 / 8.40** | **91 Valley Stream Drive Ottawa, ON ON** | **EHS**

Order No: 20111107057
Status: C
Report Type: Custom Report
Report Date: 11/14/2011
Date Received: 11/7/2011 5:14:10 PM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.802274
Y: 45.333178

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112 | **1 of 1** | **S/182.4** | **81.9 / 8.39** | **ON** | **BORE**

Borehole ID: 848566
OGF ID: 215590187
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 03-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 35
Township: NEPEAN
Latitude DD: 45.331347

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Total Depth m:	12.2	**Longitude DD:**	-75.808681
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436632
Drill Method:	Hollow stem auger	**Northing:**	5020078
Orig Ground Elev m:	85.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86.4		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561424	**Mat Consistency:**	
Top Depth:	8.7	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt - Sand - Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	HET. MIXTURE OF SILT, SAND AND GRAVEL (GLACIAL TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561423	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	8.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	clay silt	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY TO CLAYEY SILT, GREY, OCCASIONAL SAND SEAMS, FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.		

113	*1 of 1*	*SSW/183.9*	*82.1 / 8.59*	*ON*	*BORE*

Borehole ID:	848449	**Inclin FLG:**	No
OGF ID:	215590070	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	08-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.33151
Total Depth m:	12.2	**Longitude DD:**	-75.809845
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436541
Drill Method:	Hollow stem auger	**Northing:**	5020097
Orig Ground Elev m:	85.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86.6		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Geology Stratum ID:	6560999	**Mat Consistency:**	Stiff
Top Depth:	0	**Material Moisture:**	Moist
Bottom Depth:	6.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGH PLASTICITY CI-CH MARINE DEPOSIT STIFF TO FIRM WITH DEPTH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561001	**Mat Consistency:**	
Top Depth:	10	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561000	**Mat Consistency:**	Very Loose
Top Depth:	6.9	**Material Moisture:**	Wet
Bottom Depth:	10	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET LOW PLASTICITY TO NONPLASTICITY SM-ML TILL VERY LOOSE TO COMPACT DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

114 | ***1 of 1*** | ***SSW/187.8*** | ***81.8 / 8.31*** | ***ON*** | ***BORE***

Borehole ID:	848445	**Inclin FLG:**	No
OGF ID:	215590067	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	03-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331343
Total Depth m:	14.9	**Longitude DD:**	-75.809319
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436582
Drill Method:	Hollow stem auger	**Northing:**	5020078
Orig Ground Elev m:	86.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86.9		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Geology Stratum ID:	6560984	**Mat Consistency:**	Very Loose
Top Depth:	7	**Material Moisture:**	Wet
Bottom Depth:	12.2	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET LOW PLASTICITY TO NON PLASTIC RAPID DILSTANCY SM-ML TILL VERY LOOSE TO COMPACT DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560982	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVELLY SILTY SAND POSSIBLE FILL BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560983	**Mat Consistency:**	Very Stiff
Top Depth:	.9	**Material Moisture:**	Moist
Bottom Depth:	7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGH PLASTICITY CI-CH MARINE DEPOSIT VERY STIFF BECOMING FIRM WITH DEPTH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560985	**Mat Consistency:**	
Top Depth:	12.2	**Material Moisture:**	
Bottom Depth:	14.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Calcite	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC CALCITE FILLED VUGS AND SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

115	1 of 1	ESE/191.4	79.8 / 6.34	2960 Baseline Rd Nepean ON K2H 9E3	EHS

Order No:	24022600489	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	22-MAR-24	**Search Radius (km):**	.25
Date Received:	26-FEB-24	**X:**	-75.80140614
Previous Site Name:		**Y:**	45.33397931
Lot/Building Size:			
Additional Info Ordered:	City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
116	1 of 1	S/192.4	81.9 / 8.39	ON	BORE

Borehole ID: 848482
OGF ID: 215590103
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 26-JUN-1990
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 16.6
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 85.8
Elev Reliabil Note:
DEM Ground Elev m: 85.6
Concession: CON 3
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 35
Township: NEPEAN
Latitude DD: 45.33125
Longitude DD: -75.808437
UTM Zone: 18
Easting: 436651
Northing: 5020067
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561155
Top Depth: 11.6
Bottom Depth: 12
Material Color: Grey
Material 1: Silt
Material 2: Clay
Material 3: Layered
Material 4:
Gsc Material Description:
Stratum Description: CLAYEY SILT TO SILTY CLAY, LAYERED, VERY STIFF, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561152
Top Depth: .4
Bottom Depth: 3.2
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4: Thin
Gsc Material Description:
Stratum Description: SILTY CLAY, OCCASIONAL VERY THIN SAND SEAMS (WEATHERED CRUST), STIFF TO VERY STIFF, GREY BROWN, FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561151
Top Depth: 0
Bottom Depth: .4
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561153
Top Depth: 3.2
Bottom Depth: 11

Mat Consistency:
Material Moisture:
Material Texture:

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

Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SAND SEAM, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561157	**Mat Consistency:**	
Top Depth:	13.7	**Material Moisture:**	
Bottom Depth:	16.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Calcite	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	DOLOMITIC LIMESTONE BEDROCK, OCCASIONAL CALCITE POCKET, SOME SHALE PARTINGS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561154	**Mat Consistency:**	Firm
Top Depth:	11	**Material Moisture:**	
Bottom Depth:	11.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	clay silt	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY AND CLAYEY SILT, OCCASIONAL SAND SEAMS AND GRAVEL, FIRM TO VERY STIFF, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561156	**Mat Consistency:**	Very Loose
Top Depth:	12	**Material Moisture:**	
Bottom Depth:	13.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Organic	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, SOME ORGANICS, GRAVEL AND CLAY, OCCASIONAL COBBLE (GLACIAL TILL), VERY LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
117	1 of 1	ESE/198.4	75.2 / 1.75	Baseline Rd con 3 Ottawa ON	WWIS

Well ID:	7350853	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	12/31/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z315241	**Contractor:**	6964
Tag:	A147235	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID:	1007853898	**Tag No:**	A147235
Depth M:	6.096	**Contractor:**	6964
Year Completed:	2019	**Latitude:**	45.3350976498342
Well Completed Dt:	12/11/2019	**Longitude:**	-75.80147270648
Audit No:	Z315241	**Y:**	45.33509764349637
Path:		**X:**	-75.8014725441346

Bore Hole Information

Bore Hole ID:	1007853898	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	437201.00
Code OB Desc:		**North83:**	5020489.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/11/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1008149686
Layer: 1
Color: 8
General Color: BLACK
Material 1: 27
Material 1 Desc: OTHER
Material 2:
Material 2 Desc:
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 0.0
Formation End Depth: 0.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149687
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3: 66
Material 3 Desc: DENSE

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Formation Top Depth: 0.5
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149688
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 06
Material 2 Desc: SILT
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 3.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008150221
Layer: 2
Plug From: 9.0
Plug To: 20.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008150220
Layer: 1
Plug From: 0.0
Plug To: 9.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1008151029
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1008148440
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008151438
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0

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

Depth To: 10.0
Casing Diameter: 2.0399999618530273
Casing Diameter UOM: Inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1008151590
Layer: 1
Slot: 10
Screen Top Depth: 10.0
Screen End Depth: 20.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.375

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008152223
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1008150674
Diameter: 8.0
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

118	1 of 1	NNE/198.5	66.9 / -6.61	**Beaufield Resources Inc.** **3208 Richmond Rd** **Nepean ON K2H 5B6**	SCT

Established: 01-AUG-80
Plant Size (ft²):
Employment:

--Details--
Description: Other Support Activities for Mining
SIC/NAICS Code: 213119

Description: All Other Metal Ore Mining
SIC/NAICS Code: 212299

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
119	1 of 1	NNW/198.8	68.9 / -4.60	MINISTRY OF TRANSPORTATION 3229 RICHMOND ROAD NEPEAN ON K2H 8G4	GEN

Generator Info

Generator No:	ON4647846	**Choice of Contact:**	
Approval Years:	04	**Contaminated Fac:**	
Status:		**MHSW Facility:**	
PO Box No:		**SIC Code:**	488990
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Other Support Activities for Transportation		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
120	1 of 1	SSE/200.0	83.8 / 10.36	BASELINE RD WEST Ottawa ON	WWIS

Well ID:	7348533	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	12/03/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z280729	**Contractor:**	7659
Tag:	A193888	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7348533.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/12/2019
Year Completed:	2019
Depth (m):	
Latitude:	45.3314008515556
Longitude:	-75.8061934316678
X:	-75.80619327055183
Y:	45.331400845197614
Path:	734\7348533.pdf

Bore Hole Information

Bore Hole ID:	1007732356	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	436827.00
Code OB Desc:		**North83:**	5020082.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4

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

Date Completed: 06/12/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1008134244
Layer: 1
Plug From: 4.570000171661377
Plug To: 0.20000000298023224
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008134245
Layer: 2
Plug From: 0.0
Plug To: 0.20000000298023224
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1008135072
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: AUGER

Pipe Information

Pipe ID: 1008132669
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008135378
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 1.5199999809265137
Depth To: 0.05000000074505806
Casing Diameter: 50.0
Casing Diameter UOM: mm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1008135734
Layer: 1
Slot: .01
Screen Top Depth: 1.5199999809265137

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Screen End Depth:	4.570000171661377
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	mm
Screen Diameter:	58.0

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008136188
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1008135901
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	3.3450000286102295
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1008134664
Diameter:	20.0
Depth From:	0.0
Depth To:	4.570000171661377
Hole Depth UOM:	m
Hole Diameter UOM:	cm

121 ***1 of 1*** ***S/201.2*** ***81.9 / 8.39*** ***ON*** ***BORE***

Borehole ID:	848657	**Inclin FLG:**	No
OGF ID:	215590277	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	25-JUL-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331184
Total Depth m:	9.8	**Longitude DD:**	-75.80887
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436617
Drill Method:	Diamond Drill	**Northing:**	5020060
Orig Ground Elev m:	86.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

DEM Ground Elev m: 86.5
Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 6561790
Top Depth: 3
Bottom Depth: 3.7
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Mat Consistency: Stiff
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: STIFF GREY SILTY CLAY OCC HARD CLAY LUMPS **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561794
Top Depth: 6.7
Bottom Depth: 8.6
Material Color: Grey
Material 1: Sand
Material 2: Silt
Material 3: Gravel
Material 4:
Gsc Material Description:
Mat Consistency: Compact
Material Moisture:
Material Texture: Fine
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: COMPACT GREY SILTY FINE SAND SCATTERED TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561789
Top Depth: .3
Bottom Depth: 3
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Mat Consistency: Very Stiff
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: VERY STIFF TO STIFF GREY BROWN SILTY CLAY OCC SILTY SAND SEAM (WEATHERED CRUST) **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561791
Top Depth: 3.7
Bottom Depth: 4.4
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4: Gravel - Cobbles
Gsc Material Description:
Mat Consistency: Firm
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: FIRM GREY SILTY CLAY SOME LAYERS OF SANDY SILT WITH SOME GRAVEL OCC COBBLE **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6561793
Top Depth: 5.8
Bottom Depth: 6.7
Material Color: Grey
Material 1: Silt
Material 2: Sand
Material 3: Gravel
Material 4:
Gsc Material Description:
Mat Consistency: Compact
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

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

Stratum Description: COMPACT GREY SANDY SILT AND SILTY SAND TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561788	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: CLAYEY SILT TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561792	**Mat Consistency:**	Very Loose
Top Depth:	4.4	**Material Moisture:**	
Bottom Depth:	5.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	

Gsc Material Description:

Stratum Description: VERY LOOSE TO COMPACT GREY SANDY SILT SOME GRAVEL AND CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561795	**Mat Consistency:**	Compact
Top Depth:	8.6	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial

Gsc Material Description:

Stratum Description: COMPACT GREY SANDY SILT SOME GRAVEL AND CLAY (GLACIAL TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.

122	1 of 1	SSW/201.2	82.8 / 9.29	ON	BORE

Borehole ID:	848448	**Inclin FLG:**	No
OGF ID:	215590069	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	07-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	ROAD
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331471
Total Depth m:	11.9	**Longitude DD:**	-75.81024
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436510
Drill Method:	Hollow stem auger	**Northing:**	5020093
Orig Ground Elev m:	86.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	87.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

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

Geology Stratum ID:	6560997	**Mat Consistency:**	Loose
Top Depth:	8.5	**Material Moisture:**	Wet
Bottom Depth:	10.3	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET NON PLASTIC SM-ML TILL LOOSE TO COMPACT DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560995	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY WITH SOME GRAVEL BLACK MOTTLING AND OXIDATION STAINING GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560998	**Mat Consistency:**	
Top Depth:	10.3	**Material Moisture:**	
Bottom Depth:	11.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560996	**Mat Consistency:**	Firm
Top Depth:	1.9	**Material Moisture:**	Moist
Bottom Depth:	8.5	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGH PLASTICITY CI-CH MARINE DEPOSIT FIRM TO STIFF GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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123 | ***1 of 1*** | ***SSW/202.2*** | ***82.8 / 9.36*** | ***ON*** | ***BORE***

Borehole ID:	848444	**Inclin FLG:**	No
OGF ID:	215590066	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	03-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331304
Total Depth m:	14.3	**Longitude DD:**	-75.809765
Depth Ref:	Ground Surface	**UTM Zone:**	18

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Depth Elev:		***Easting:***	436547
Drill Method:	Hollow stem auger	***Northing:***	5020074
Orig Ground Elev m:	86.6	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	86.9		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560979	***Mat Consistency:***	Very Stiff
Top Depth:	.9	***Material Moisture:***	Moist
Bottom Depth:	7	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Fine Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: SILTY CLAY OCC THIN LAYERS OF SILTY FINE SAND TO FINE SAND MOIST TO WET MEDIUM TO HIGH PLASTICITY CI-CH MARINE DEPOSIT VERY STIFF BECOMING SOFT TO FIRM WITH DEPTH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560980	***Mat Consistency:***	Loose
Top Depth:	7	***Material Moisture:***	Wet
Bottom Depth:	11.3	***Material Texture:***	
Material Color:	Dark	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	sand silt	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	
Material 4:	Clay	***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: SAND AND SILT WITH SOME GRAVEL AND SOME CLAY WET LOW PLASTICITY TO NON PLASTIC RAPID DILANTANCY SM-ML TILL LOOSE DARK GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560978	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.9	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Fill	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	
Material 4:	Silt	***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: GRAVELLY SILTY SAND POSSIBLE FILL BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560981	***Mat Consistency:***	
Top Depth:	11.3	***Material Moisture:***	
Bottom Depth:	14.3	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Limestone	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:	Dolomite	***Geologic Period:***	
Material 4:	Calcite	***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: LIMESTONE BEDROCK WITH FREQUENT DOLOMITE BEDDINGS OCC CALCITE FILLED VUGS AND SHALY PARTINGS VERY STRONG FRESH GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
124	1 of 1	W/204.8	74.9 / 1.39	ON	BORE

Borehole ID: 848572
OGF ID: 215590193
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 03-AUG-1989
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 3.2
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 72.4
Elev Reliabil Note:
DEM Ground Elev m: 73.2
Concession: CON 2 ON OTTAWA RIVER
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 15
Township: NEPEAN
Latitude DD: 45.337116
Longitude DD: -75.813856
UTM Zone: 18
Easting: 436233
Northing: 5020723
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561439
Top Depth: 2.7
Bottom Depth: 3.2
Material Color: Grey
Material 1: Till
Material 2: Silt - Sand - Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HET. MIXTURE OF SILT, SAND AND GRAVEL (GLACIAL TILL), GREY, VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561438
Top Depth: .3
Bottom Depth: 2.7
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: clay silt
Material 4: Sand
Gsc Material Description:
Stratum Description: SILTY CLAY TO CLAYEY SILT, SOME SAND, GRE, STIFF TO VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561437
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
125	1 of 1	S/216.9	82.9 / 9.44	ON	BORE

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Borehole ID:	848483	**Inclin FLG:**	No
OGF ID:	215590104	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	03-JUL-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331026
Total Depth m:	14.1	**Longitude DD:**	-75.808319
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436660
Drill Method:	Hollow stem auger	**Northing:**	5020042
Orig Ground Elev m:	86.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	85.9		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561161	**Mat Consistency:**	Very Loose
Top Depth:	13.1	**Material Moisture:**	
Bottom Depth:	14.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Clay - Gravel	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, SOME CLAY AND GRAVEL, AND OCCASIONAL SILTY SAND AND GRAVEL LAYERS (GLACIAL TILL). VERY LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561159	**Mat Consistency:**	
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	3.1	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST). GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561160	**Mat Consistency:**	
Top Depth:	3.1	**Material Moisture:**	
Bottom Depth:	13.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, GREY, SOME SILTY FINE SAND LAYERS, GREY, TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561158	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Material 2: **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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126 **1 of 2** **WSW/217.4** **78.5 / 5.06**

SILVER SPRING FARMS
3501 RICHMOND ROAD SILVER SPRING FARMS
FURNACE OIL TANK
OTTAWA CITY ON K2H 8H8

SPL

Ref No: 14776 **Municipality No:** 20101
Year: **Nature of Damage:**
Incident Dt: 2/14/1989 **Discharger Report:**
Dt MOE Arvl on Scn: **Material Group:**
MOE Reported Dt: 2/14/1989 **Impact to Health:**
Dt Document Closed: **Agency Involved:**
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: ABOVE-GROUND TANK LEAK
Incident Preceding Spill:
Incident Reason: UNKNOWN
Incident Summary: FURNACE OIL TANK
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
126	2 of 2	WSW/217.4	78.5 / 5.06	OTTAWA & DIST ASS FOR MENTALLY 29-562 RETARDED SILVER SPRING FARM 3501 RICHMOND RD. NEPEAN ON K2H 8H8	GEN

Generator Info

Generator No:	ON0391201	**Choice of Contact:**	
Approval Years:	92,93,94,95,96,97,98	**Contaminated Fac:**	
Status:		**MHSW Facility:**	
PO Box No:		**SIC Code:**	8699
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

Waste Class:	221
Waste Class Name:	LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
127	1 of 1	SSW/222.5	83.1 / 9.66	ON	BORE

Borehole ID:	848463	**Inclin FLG:**	No
OGF ID:	215590084	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	28-JUN-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.331079
Total Depth m:	14.1	**Longitude DD:**	-75.809635
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436557
Drill Method:	Hollow stem auger	**Northing:**	5020049
Orig Ground Elev m:	86.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86.8		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561054	**Mat Consistency:**	
Top Depth:	6.7	**Material Moisture:**	
Bottom Depth:	11.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, SOME GRAVEL AND CLAY, OCCASIONAL COBBLE (GLACIAL TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561051	**Mat Consistency:**	Firm
Top Depth:	3.7	**Material Moisture:**	
Bottom Depth:	4.9	**Material Texture:**	

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

Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	sand silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SILTY SAND SEAMS, FIRM, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561052	**Mat Consistency:**	
Top Depth:	4.9	**Material Moisture:**	
Bottom Depth:	5.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Silt - Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCC. SILT AND SAND SEAMS, TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561053	**Mat Consistency:**	Loose
Top Depth:	5.3	**Material Moisture:**	
Bottom Depth:	6.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT TO SILTY SAND, SOME GRAVEL AND CLAY. OCCASIONAL COBBLE (GLACIAL TILL), LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561055	**Mat Consistency:**	
Top Depth:	11.4	**Material Moisture:**	
Bottom Depth:	14.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Dolomite	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	DOLOMITIC LIMESTONE BEDROCK, SOME SHALE PARTINGS, OCCASIONAL CALCITE POCKETS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561049	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561050	**Mat Consistency:**	Very Stiff
Top Depth:	.4	**Material Moisture:**	
Bottom Depth:	3.7	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, OCCASIONAL SILTY SAND SEAMS (WEATHERED CRUST), VERY STIFF TO STIFF, GREY		

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

BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

128 **1 of 1** **SW/222.7** **80.2 / 6.70** **ON** **BORE**

Borehole ID:	610746	**Inclin FLG:**	No
OGF ID:	215512257	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	APR-1951	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.332616
Total Depth m:	9.8	**Longitude DD:**	-75.8128
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436311
Drill Method:		**Northing:**	5020222
Orig Ground Elev m:	65.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	83		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386359	**Mat Consistency:**	Compact
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	Fine
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. 00032ONE. GREY. 00068MPACT. SAND,SILT-FINE. BROWN,COMPACT. 00030027SAND. GR **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218386358	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03254 NTS_Sheet:		
Confiden 1:			

Source List

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

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

129	1 of 1	SW/222.7	80.2 / 6.70	lot 14 con 2 ON	WWIS

Well ID:	1504018	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/08/1951
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3725
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	014
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	OF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504018.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/10/1951
Year Completed:	1951
Depth (m):	9.7536
Latitude:	45.3326142260523
Longitude:	-75.8127996467785
X:	-75.81279948514921
Y:	45.33261421915709
Path:	150\1504018.pdf

Bore Hole Information

Bore Hole ID:	10026061	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	436310.70
Code OB Desc:		**North83:**	5020222.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	04/10/1951	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Location Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Overburden and Bedrock Materials Interval

Formation ID: 930998163
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998164
Layer: 2
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504018
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574631
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044856
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 32.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

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

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991504018
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	10.0
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933457068
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

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130 ***1 of 1*** ***N/225.5*** ***66.9 / -6.61*** ***ON*** ***BORE***

Borehole ID:	848378	***Inclin FLG:***	No
OGF ID:	215590008	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	12-JUL-1989	***Municipality:***	
Static Water Level:		***Lot:***	LOT 17
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.343762
Total Depth m:	9.7	***Longitude DD:***	-75.807173
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436764
Drill Method:	Hollow stem auger	***Northing:***	5021456
Orig Ground Elev m:	66.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 50 metres
DEM Ground Elev m:	67.8		
Concession:	CON 2 ON OTTAWA RIVER		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560806	***Mat Consistency:***	Firm
Top Depth:	4.1	***Material Moisture:***	
Bottom Depth:	7.3	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SILTY CLAY INTERBEDDED WITH SANDY SILT GREY FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6560807
Top Depth: 7.3
Bottom Depth: 9.7
Material Color: Grey
Material 1: Sand
Material 2: Silt
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: SAND TRACE SILT AND GRAVEL GREY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6560805
Top Depth: 0
Bottom Depth: 4.1
Material Color: Brown
Material 1: Sand
Material 2: Clay
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND AND CLAY BROWN VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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131 | **1 of 1** | **ENE/227.1** | **71.6 / -1.92** | **City of Ottawa**
26 Okanagan Drive
Ottawa ON K2H 7G1 | **SPL**

Ref No: 3504-BDBUJB
Year:
Incident Dt: 6/20/2019
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/20/2019
Dt Document Closed:
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Residence<UNOFFICIAL>
Site Address: 26 Okanagan Drive
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing: 5020858.5
Easting: 437122.61
Entity Operating Name:
Client Name: City of Ottawa
Client Type: Municipal Government
Source Type:
Incident Cause:
Incident Preceding Spill: Leak/Break
Incident Reason: Equipment Failure
Incident Summary: PIR - City of Ottawa reports 1L oil spill to CB - Nepean
Environment Impact:
Health Env Consequence:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 2 - Minor Environment
Agency Involved:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Land
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

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132 | ***1 of 1*** | ***N/228.1*** | ***66.9 / -6.61*** | ***lot 17 con 2 ON*** | ***WWIS***

Well ID:	1504032	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	10/04/1962
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3504
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	017
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	OF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504032.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/30/1962
Year Completed:	1962
Depth (m):	32.3088
Latitude:	45.3438146528239
Longitude:	-75.8073448238067
X:	-75.80734466227386
Y:	45.343814646068914
Path:	150\1504032.pdf

Bore Hole Information

Bore Hole ID:	10026075	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	436750.60

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Code OB Desc: ***North83:*** 5021462.00
Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 5
Date Completed: 08/30/1962 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998205
Layer: 5
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 100.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998203
Layer: 3
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998201
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Overburden and Bedrock Materials Interval

Formation ID: 930998202
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998204
Layer: 4
Color:
General Color:
Material 1: 08
Material 1 Desc: FINE SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504032
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574645
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044880
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 106.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

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

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991504032
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	18.0
Recommended Pump Depth:	
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933457086
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	106.0
Water Found Depth UOM:	ft

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133 ***1 of 1*** ***SSW/228.6*** ***83.0 / 9.55*** ***ON*** ***BORE***

Borehole ID:	848475	***Inclin FLG:***	No
OGF ID:	215590096	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	03-JUL-1990	***Municipality:***	
Static Water Level:		***Lot:***	LOT 35
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.330948
Total Depth m:	13.1	***Longitude DD:***	-75.809109
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	436598
Drill Method:	Hollow stem auger	***Northing:***	5020034
Orig Ground Elev m:	86.6	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	86.6		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561120	***Mat Consistency:***	Loose
Top Depth:	8.7	***Material Moisture:***	
Bottom Depth:	13.1	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	sand silt	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	

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

Material 4:	Clay	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SANDY SILT, SOME GRAVEL AND CLAY (GLACIAL TILL), LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561118	**Mat Consistency:**	
Top Depth:	.4	**Material Moisture:**	
Bottom Depth:	3.1	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561119	**Mat Consistency:**	
Top Depth:	3.1	**Material Moisture:**	
Bottom Depth:	8.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, SOME SAND SEAMS **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561117	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

134	1 of 1	SSW/228.8	84.0 / 10.51	ON	BORE

Borehole ID:	610743	**Inclin FLG:**	No
OGF ID:	215512254	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	OCT-1971	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	45.331106
Total Depth m:	6.2	**Longitude DD:**	-75.809971
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436531
Drill Method:	Power auger	**Northing:**	5020052
Orig Ground Elev m:	86.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	87.1		
Concession:			
Location D:			
Survey D:			
Comments:			

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

Borehole Geology Stratum

Geology Stratum ID:	218386351	***Mat Consistency:***	Stiff
Top Depth:	.8	***Material Moisture:***	
Bottom Depth:	3.4	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. GREY,BROWN, VERY STIFF TO STIFF,WEATHERED.		

Geology Stratum ID:	218386350	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.8	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:		***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL,SAND, GRAVEL. BROWN.		

Geology Stratum ID:	218386352	***Mat Consistency:***	Firm
Top Depth:	3.4	***Material Moisture:***	
Bottom Depth:	6.2	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SILT,SAND. GREY,FIRM,STIFF. 00025 040 00110 050 00025011FF, FISSURED. CLAY,SILT,S **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	H	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 032510 NTS_Sheet: 31G05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

135	***1 of 1***	***S/233.5***	***82.9 / 9.44***	***ON***	***BORE***

Borehole ID:	848484	***Inclin FLG:***	No
OGF ID:	215590105	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No

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

Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	04-JUL-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.330873
Total Depth m:	14.3	**Longitude DD:**	-75.808215
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436668
Drill Method:	Hollow stem auger	**Northing:**	5020025
Orig Ground Elev m:	86.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	86		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561163	**Mat Consistency:**	
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	2.9	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: SILTY CLAY, OCCASIONAL SILTY SAND SEAMS (WEATHERED CRUST), GREY BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561165	**Mat Consistency:**	Loose
Top Depth:	13.2	**Material Moisture:**	
Bottom Depth:	14.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	sand silt	**Geologic Group:**	
Material 3:	clay silt	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: SANDY SILT AND CLAYEY SILT, SOME GRAVEL (GLACIAL TILL), LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561162	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6561164	**Mat Consistency:**	
Top Depth:	2.9	**Material Moisture:**	
Bottom Depth:	13.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Fine Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: SILTY CLAY, SOME SILTY FINE SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
136	1 of 2	N/239.7	66.9 / -6.61	lot 17 con 2 ON	WWIS

Well ID: 1504030
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/15/1953
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 017
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504030.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/10/1953
Year Completed: 1953
Depth (m): 31.0896
Latitude: 45.3438182605166
Longitude: -75.8068342960593
X: -75.8068341345953
Y: 45.34381825439272
Path: 150\1504030.pdf

Bore Hole Information

Bore Hole ID: 10026073
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/10/1953
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 436790.60
North83: 5021462.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 930998193
Layer: 1

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998194
Layer: 2
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998195
Layer: 3
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 100.0
Formation End Depth: 102.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504030
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574643
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Casing ID: 930044877
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 102.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504030
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933457084
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102.0
Water Found Depth UOM: ft

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136 | **2 of 2** | **N/239.7** | **66.9 / -6.61** | **lot 17 con 2 ON** | **WWIS**

Well ID: 1504031
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/19/1957
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 017
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504031.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/07/1957
Year Completed: 1957
Depth (m): 31.3944
Latitude: 45.3438182605166
Longitude: -75.8068342960593
X: -75.8068341345953
Y: 45.34381825439272
Path: 150\1504031.pdf

Bore Hole Information

Bore Hole ID: 10026074
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/07/1957
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 436790.60
North83: 5021462.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 930998196
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998200
Layer: 5
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998197
Layer: 2
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998198
Layer: 3
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 58.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998199
Layer: 4
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3:
Material 3 Desc:
Formation Top Depth: 58.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504031
Method Construction Code: 1
Method Construction: Cable Tool

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Other Method Construction:

Pipe Information

Pipe ID: 10574644
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044878
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 61.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044879
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 103.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504031
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 12.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933457085
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 103.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
137	1 of 1	SSW/241.4	83.1 / 9.66	ON	BORE

Borehole ID: 848464
OGF ID: 215590085
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 03-JUL-1990
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 12.2
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 86.8
Elev Reliabil Note:
DEM Ground Elev m: 86.8
Concession: CON 3
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 35
Township: NEPEAN
Latitude DD: 45.330874
Longitude DD: -75.809478
UTM Zone: 18
Easting: 436569
Northing: 5020026
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6561057
Top Depth: .2
Bottom Depth: 2.9
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silt
Material 3: Fine Sand
Material 4: Silt
Gsc Material Description:
Stratum Description: SILTY CLAY, SOME SILTY FINE SAND SEAMS (WEATHERED CRUST), GREY BRWON **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561059
Top Depth: 7.1
Bottom Depth: 12.2
Material Color: Grey
Material 1: Till
Material 2: sand silt
Material 3: Clay
Material 4: Gravel - Cobbles
Gsc Material Description:
Stratum Description: SANDY SILT, SOME CLAY, SOME GRAVEL AND COBBLES (GLACIAL TILL), LOOSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561056
Top Depth: 0
Bottom Depth: .2
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6561058
Top Depth: 2.9
Bottom Depth: 7.1

Mat Consistency:
Material Moisture:
Material Texture:

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

Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, SOME SILTY SAND SEAMS, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

138 | ***1 of 1*** | ***N/242.9*** | ***66.9 / -6.61*** | ***ON*** | ***BORE***

Borehole ID:	610794	**Inclin FLG:**	No
OGF ID:	215512305	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	23.5	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.343908
Total Depth m:	-999	**Longitude DD:**	-75.80709
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436771
Drill Method:		**Northing:**	5021472
Orig Ground Elev m:	65.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	68.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386547	**Mat Consistency:**	
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	22.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218386549	**Mat Consistency:**	
Top Depth:	27.4	**Material Moisture:**	
Bottom Depth:	35.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND. WATER STABLE AT 138.0 FEET.		

Geology Stratum ID:	218386548	**Mat Consistency:**	
Top Depth:	22.9	**Material Moisture:**	
Bottom Depth:	27.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SAND,GRAVEL.

Geology Stratum ID: 218386551
Top Depth: 65.5
Bottom Depth:
Material Color:
Material 1: Bedrock
Material 2: Sandstone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK,SANDSTONE. AND,GRAVEL,TILL. VERY DENSE. SAND,GRAVEL,SILT. DENSE TO VERY DENSE. SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218386550
Top Depth: 35.1
Bottom Depth: 65.5
Material Color:
Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK,LIMESTONE.

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

Geology Stratum ID: 218386546
Top Depth: 0
Bottom Depth: 2.7
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 033020 NTS_Sheet: 31G05C
Confiden 1: Reliable information but incomplete.

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

139	1 of 1	NNE/244.2	66.9 / -6.61	lot 17 con 2 ON	WWIS

Well ID: 1504033
Construction Date:

Flowing (Y/N):
Flow Rate:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	01/19/1960
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	017
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	OF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504033.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/20/1959
Year Completed:	1959
Depth (m):	80.772
Latitude:	45.3431081304978
Longitude:	-75.8054201336599
X:	-75.80541997216935
Y:	45.34310812311601
Path:	150\1504033.pdf

Bore Hole Information

Bore Hole ID:	10026076	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	436900.60
Code OB Desc:		**North83:**	5021382.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/20/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	930998210
Layer:	5
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Material 3 Desc:
Formation Top Depth: 115.0
Formation End Depth: 215.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998207
Layer: 2
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998206
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 02
Material 2 Desc: TOPSOIL
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998208
Layer: 3
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 08
Material 2 Desc: FINE SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 75.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998211
Layer: 6
Color:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 215.0
Formation End Depth: 265.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998209
Layer: 4
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 90.0
Formation End Depth: 115.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504033
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574646
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044882
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 265.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044881
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

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

Depth To:	115.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991504033
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	49.0
Recommended Pump Depth:	49.0
Pumping Rate:	172.0
Flowing Rate:	
Recommended Pump Rate:	200.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	48
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933457087
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	265.0
Water Found Depth UOM:	ft

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140 ***1 of 1*** ***NNE/244.3*** ***66.9 / -6.61*** ***ON*** ***BORE***

Borehole ID:	610789	**Inclin FLG:**	No
OGF ID:	215512300	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1959	**Municipality:**	
Static Water Level:	4.3	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.34311
Total Depth m:	80.8	**Longitude DD:**	-75.80542
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436901
Drill Method:		**Northing:**	5021382
Orig Ground Elev m:	64	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	66.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386524	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Bottom Depth: 2.7
Material Color:
Material 1: Clay
Material 2: Soil
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SOIL.

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

Geology Stratum ID: 218386526
Top Depth: 22.9
Bottom Depth: 27.4
Material Color:
Material 1: Gravel
Material 2: Sand
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL,SAND.

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

Geology Stratum ID: 218386528
Top Depth: 35.1
Bottom Depth: 62.5
Material Color:
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE.

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

Geology Stratum ID: 218386529
Top Depth: 62.5
Bottom Depth: 80.8
Material Color: Black
Material 1: Sandstone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SANDSTONE. 00265E. LIMESTONE,GRANITE, QUARTZITE. WHITE. GRANITE. BLACK. 00110Y. DENSE.

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

Geology Stratum ID: 218386525
Top Depth: 2.7
Bottom Depth: 22.9
Material Color:
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND.

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

Geology Stratum ID: 218386527
Top Depth: 27.4
Bottom Depth: 35.1
Material Color:
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND.

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

Source

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03297 NTS_Sheet:		
Confiden 1:			

Source List

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

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Unplottable Summary

Total: 30 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Pt. Lot 16, Conc. 2, (Rideau Front)	Nepean ON	
CA	2871220 CANADA LIMITED	BASELINE RD., HOME DEPOT	NEPEAN CITY ON	
CA	R.M. OF OTTAWA-CARLETON	BASELINE ROAD EXTENSION (SWM)	OTTAWA CITY ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	
CA		Pt. Lot 16, Conc. 2, (Rideau Front)	Nepean ON	
CA	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON	
CA		Richmond Road	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	2871220 CANADA LIMITED	BASELINE RD., HOME DEPOT STORE	OTTAWA CITY ON	
CA	BELL-NORTHERN RESEARCH LIMITED	BASELINE ROAD	NEPEAN CITY ON	
CA	COMPUTING DEVICES COMPANY	RICHMOND RD.	NEPEAN CITY ON	
CA	BEAVER LUMBER CO. LTD. - LOT 9/CONC. II	ROBERTSON ROAD	NEPEAN CITY ON	
CA	NON-PROFIT HOUSING CORPORATION	RICHMOND RD.NON-PROFIT HOUSING	OTTAWA CITY ON	
CA	BEAVER LUMBER CO. LTD. - LOT 9/CONC. II	ROBERTSON ROAD	NEPEAN CITY ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	

CA	WEDGEWOOD BUILDING CORPORATION	ROBERTSON RD.	NEPEAN CITY ON	
CA	COMPUTING DEVICES COMPANY	RICHMOND RD.	NEPEAN CITY ON	
CA	MINTO CONSTRUCTION LTD. FOSTER DRAIN	W. OF CEDARVIEW RD.	NEPEAN CITY ON	
CA	2871220 CANADA LIMITED	BASELINE RD.,HOME DEPOT (SWM)	NEPEAN CITY ON	
CA	RON ENGINEERING & CONSTRUCTION LTD.	BASELINE RD.	OTTAWA CITY ON	
ECA	City of Ottawa	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON	K1P 1J1
EHS		Baseline Rd	Ottawa ON	
GEN	KIEWIT/EUROVIA/VINCI PARTNERSHIP	Richmond Road	Ottawa ON	
PTTW	Shell Canada Products Ltd.	Lot 16, Concession 2, Township of Murray, County of Northumberland. NEPEAN	ON	
SPL	TEXACO	RICHMOND RD. SERVICE STATION	OTTAWA CITY ON	
SPL	BUS	BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
WWIS		lot 16 con 2	ON	
WWIS		lot 16 con 2	ON	

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Unplottable Report

Site:
Pt. Lot 16, Conc. 2, (Rideau Front) Nepean ON

Database: ***CA***

Certificate #:	6012-4HNL23
Application Year:	00
Issue Date:	3/28/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Tartan Lane Corporation
Client Address:	331 Cooper Street
Client City:	Ottawa
Client Postal Code:	
Project Description:	Extension of local sewer system in the Longfields Subdivision in the City of Nepean.
Contaminants:	
Emission Control:	

Site: ***2871220 CANADA LIMITED***
BASELINE RD., HOME DEPOT NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-1307-96-
Application Year:	96
Issue Date:	1/8/1997
Approval Type:	Municipal sewage
Status:	Underwent 1st revision in 97
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***R.M. OF OTTAWA-CARLETON***
BASELINE ROAD EXTENSION (SWM) OTTAWA CITY ON

Database: ***CA***

Certificate #:	3-0701-96-
Application Year:	96
Issue Date:	9/4/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***OTTAWA CITY***
RICHMOND ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #:	3-0159-96-

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Application Year: 96
Issue Date: 4/1/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:
Pt. Lot 16, Conc. 2, (Rideau Front) Nepean ON

Database: ***CA***

Certificate #: 8002-4HNKET
Application Year: 00
Issue Date: 3/28/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Tartan Lane Corporation
Client Address: 331 Cooper Street
Client City: Ottawa
Client Postal Code:
Project Description: Extension of local water distribution system in the Longfields Subdivision in the City of Nepean.
Contaminants:
Emission Control:

Site: ***South Ottawa Collector***
Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Ottawa ON

Database: ***CA***

Certificate #: 5781-5D7RDZ
Application Year: 02
Issue Date: 9/13/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Amended CofA
Client Name: City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: City of Ottawa
Client Postal Code: K1P 1J1
Project Description: Enhanced flow control and flooding protection for the Green Creek Collector and provide further reduction in the potential to divert sediments to the South Ottawa Tunnel (SOT) by reducing the accumulation of grit within the upstream Green Creek Collector and Walkley Chamber.
Contaminants:
Emission Control:

Site:
Richmond Road Ottawa ON

Database: ***CA***

Certificate #: 7965-5ERRRZ
Application Year: 02
Issue Date: 10/11/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: This application is for the construction of storm and sanitary sewers and appurtenances on Richmond Road
Contaminants:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Emission Control:

Site: ***City of Ottawa***
Richmond Road Ottawa ON

Database: ***CA***

Certificate #: 1424-6CXJGA
Application Year: 2005
Issue Date: 6/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Richmond Road Ottawa ON

Database: ***CA***

Certificate #: 6859-5X8K46
Application Year: 2004
Issue Date: 3/23/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Richmond Road Ottawa ON

Database: ***CA***

Certificate #: 7893-5NLQJH
Application Year: 2003
Issue Date: 6/18/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***2871220 CANADA LIMITED***
BASELINE RD., HOME DEPOT STORE OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1082-96-
Application Year: 96
Issue Date: 10/21/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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

Site: ***BELL-NORTHERN RESEARCH LIMITED***
BASELINE ROAD NEPEAN CITY ON

Database: ***CA***

Certificate #: 8-4088-88-
Application Year: 88
Issue Date: 8/17/1989
Approval Type: Industrial air
Status: Underwent 1st revision in 1989
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: FUME HOOD
Contaminants:
Emission Control: No Controls

Site: ***COMPUTING DEVICES COMPANY***
RICHMOND RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 7-1397-87-
Application Year: 87
Issue Date: 9/17/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BEAVER LUMBER CO. LTD. - LOT 9/CONC. II***
ROBERTSON ROAD NEPEAN CITY ON

Database: ***CA***

Certificate #: 7-1679-90-
Application Year: 90
Issue Date: 11/16/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***NON-PROFIT HOUSING CORPORATION***
RICHMOND RD.NON-PROFIT HOUSING OTTAWA CITY ON

Database: ***CA***

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Certificate #: 7-0925-87-
Application Year: 87
Issue Date: 7/7/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BEAVER LUMBER CO. LTD. - LOT 9/CONC. II***
ROBERTSON ROAD NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-2065-90-
Application Year: 90
Issue Date: 11/16/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***OTTAWA CITY***
RICHMOND ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1088-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***WEDGEWOOD BUILDING CORPORATION***
ROBERTSON RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0682-88-
Application Year: 88
Issue Date: 5/13/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Site: ***COMPUTING DEVICES COMPANY***
RICHMOND RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1688-87-
Application Year: 87
Issue Date: 9/17/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MINTO CONSTRUCTION LTD. FOSTER DRAIN***
W. OF CEDARVIEW RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0519-87-
Application Year: 87
Issue Date: 7/18/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***2871220 CANADA LIMITED***
BASELINE RD.,HOME DEPOT (SWM) NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1307-96-
Application Year: 96
Issue Date: 11/25/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***RON ENGINEERING & CONSTRUCTION LTD.***
BASELINE RD. OTTAWA CITY ON

Database: ***CA***

Certificate #: 8-4052-87-
Application Year: 87
Issue Date: 6/19/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:

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

Site: ***City of Ottawa***
Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Ottawa ON K1P 1J1

Database: ***ECA***

Approval No:	5781-5D7RDZ	***MOE District:***	
Approval Date:	2002-09-13	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6977-5ATUWY-14.pdf
PDF Site Location:

Site:
Baseline Rd Ottawa ON

Database: ***EHS***

Order No:	20051017031	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Site Report	***Client Prov/State:***	QC
Report Date:	10/18/2005	***Search Radius (km):***	0.25
Date Received:	10/17/2005	***X:***	
Previous Site Name:		***Y:***	
Lot/Building Size:			
Additional Info Ordered:			

Site: ***KIEWIT/EUROVIA/VINCI PARTNERSHIP***
Richmond Road Ottawa ON

Database: ***GEN***

Generator Info as of Dec 2024

Generator No:	ON001071819
Generator Company Name:	KIEWIT/EUROVIA/VINCI PARTNERSHIP
Street:	Richmond Road
City:	Ottawa
Province State:	Ontario
Country:	Canada
Postal Code:	K2B 6R2
Waste Class:	221 L

Waste Class Decoded:

221 - LIGHT FUELS

Site: ***Shell Canada Products Ltd.***
Lot 16, Concession 2, Township of Murray, County of Northumberland. NEPEAN ON

Database: ***PTTW***

EBR Registry No:	IA6E0942	***Decision Posted:***	
Ministry Ref No:	2624802	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	

Notice Date:	May 06, 1997	***Act 2:***	
Proposal Date:	July 03, 1996	***Site Location Map:***	
Year:	1996		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Shell Canada Products Ltd.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	Don Mills Division, 75 Wynford Drive, Don Mills Ontario, M3C 2Z4		
Comment Period:			
URL:			
Summary:			

Site Location Details:

Lot 16, Concession 2, Township of Murray, County of Northumberland. NEPEAN

Site: ***TEXACO RICHMOND RD. SERVICE STATION OTTAWA CITY ON***

Database: ***SPL***

Ref No:	14431	***Municipality No:***	20101
Year:		***Nature of Damage:***	
Incident Dt:	2/2/1989	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2/2/1989	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	OTHER CAUSE (N.O.S.)		
Incident Preceding Spill:			
Incident Reason:	ERROR		
Incident Summary:			
Environment Impact:	NOT ANTICIPATED		
Health Env Consequence:			
Nature of Impact:			
Contaminant Qty:			
Contaminant Qty 1:			
Contaminant Unit:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	LAND		
Activity Preceding Spill:			
Property 2nd Watershed:			

Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: ***BUS***
BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: ***SPL***

Ref No:	71210	***Municipality No:***	20101
Year:		***Nature of Damage:***	
Incident Dt:	5/27/1992	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	5/27/1992	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	

Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: PIPE/HOSE LEAK
Incident Preceding Spill:
Incident Reason: OVERSTRESS/OVERPRESSURE
Incident Summary: REG. MUNICIPALITY OF OTTAWA CARELTON - 25 L OF DIESEL TO GROUND
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site:
lot 16 con 2 ON

Database: ***WWIS***

Well ID:	1520450	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	

Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Recharge Well	***Date Received:***	03/03/1986
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3142
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	016
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	15000		
Site Info:			

Bore Hole Information

Bore Hole ID:	10042293	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02/12/1986	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931044800
Layer:	3
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	31.0
Formation End Depth:	74.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931044798
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	79
Material 2 Desc:	PACKED

Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044799
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 13
Material 3 Desc: BOULDERS
Formation Top Depth: 9.0
Formation End Depth: 31.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520450
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590863
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073808
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 32.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073809
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 74.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991520450
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 30.0
Pumping Rate: 40.0
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: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934906031
Test Type:
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111942
Test Type:
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386807
Test Type:
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648951
Test Type:
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933477694
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

Water Details

Water ID: 933477695
Layer: 2
Kind Code: 5

Kind: Not stated
Water Found Depth: 72.0
Water Found Depth UOM: ft

Site:
lot 16 con 2 ON

Database: ***WWIS***

Well ID: 1520451
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: 15000
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/03/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3142
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 016
Concession: 02
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042294
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/15/1986
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931044801
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044802
Layer: 2
Color: 2
General Color: GREY
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520451
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590864
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073811
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073810
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991520451
Pump Set At:
Static Level: 14.0
Final Level After Pumping: 22.0
Recommended Pump Depth: 30.0
Pumping Rate: 40.0
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: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934111943
Test Type:
Test Duration: 15
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648952
Test Type:
Test Duration: 45
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906032
Test Type:
Test Duration: 60
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386808
Test Type:
Test Duration: 30
Test Level: 22.0
Test Level UOM: ft

Water Details

Water ID: 933477696
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 61.0
Water Found Depth UOM: ft

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2024

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Apr 2024

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Apr 30, 2025

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 2023

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Apr 30, 2025

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 -Apr 2025

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-Apr 2025

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - May 31, 2025

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2024

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011 - May 31, 2025

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 - May 31, 2025

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011 - May 31, 2025

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-Aug 31, 2024

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment, Conservation and Parks (MECP). 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, 2024

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Oct 2023

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Jan 2025

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). 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-Dec 31, 2024

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-Apr 2024

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: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2025

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 Conservation and Parks (MECP) 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. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-May 31, 2025

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*

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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 NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2025

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - May 31, 2025

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 - May 31, 2025

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct-Nov 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

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

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - May 31, 2025

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-May 2025

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Apr 30, 2025

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jun 2024; Aug-Mar 2025

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2024

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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 - May 31, 2025

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31 2023

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

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.

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Appendix F

Freedom of Information

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Ontario

Ministry of the Environment, Conservation and Parks

Freedom of Information Request for Property Information

Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

☑ Submitting a new FOI Request for Property Information

☐ Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) * 1900/01/01

To (yyyy/mm/dd) * 2025/07/08

Type of Record(s) *

☑ All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations

☑ Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:
https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch
- RSC records filed after July 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en

☐ Other Specific Document(s)

Type of Approval/Registration *

☑ Drinking Water Licenses

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Pesticide Licenses

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Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Permits to Take Water

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

Water Source *

- [x] Groundwater [x] Surface Water

[x] Noise Vibrations Approvals/Registrations

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Air Emissions Approvals/Registrations

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Waste Water - Industrial discharge

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

[x] Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

- [x] No Supporting Documents [ ] All Supporting Documents [ ] Some Supporting Documents

Company Name

[x] Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

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Section 2 – Requester Information

Last Name * VanNorman

First Name * Candice

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") * Cambium Inc

Project/Reference Number (if applicable) 23906-001

Are you submitting this request on behalf of a client? *

☐ Yes ☑ No

Mailing Address

Unit Number

Street Number * 31

Street Name * Hyperion Court

PO Box

City/Town * Kingston

Province * ON

Postal Code * K7K 7G3

Telephone Number * 613-453-0821

ext.

Email Address * candice.vannorman@cambium-inc.com

Is there an alternate contact (e.g. office admin)? *

☑ Yes ☐ No

Alternate Contact

Last Name * Frommann

First Name * Kurt

Telephone Number * 613-876-5784

ext.

Email Address * kurt.frommann@cambium-inc.com

Section 3 – Current Property Address Information

Is the property a:

☐ Park ☐ Lake ☐ First Nation Band ☐ Wind Farm ☐ Federal Land ☐ Island ☐ Unsurveyed Land

Are you requesting information about multiple addresses? *

☐ Yes ☑ No

Property Address

Unit Number

Street Number 3045

Street Name Baseline Road

Full Lot Number

Concession

Geographic Township

City/Town/Village * Ottawa

Closest Intersection Baseline Road and John Sutherland Drive

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Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

☐ Yes ☑ No

Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

Current Property Owner/Tenant

3045 Baseline Road
Ottawa

Owner Name

N/A

Date of Ownership (yyyy/mm/dd)

Tenant Name

Section 6 – Supporting Documents

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Total File Size

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Payment confirmation number: 33314936

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Technical Standards and
Safety Authority
345 Carlingview Drive
Toronto, Ontario
M9W 6N9
Web Site: www.tssa.org

Payment Receipt

Account Name: CAMBIUM INC
Account Number: 450100
Applicant Name: Candice VanNorman
Applicant Email: peterboroughlocates@cambium-inc.com
Payment Method: Visa
Payment Date: 2025-07-08
Amount Paid: $61.59
Application Number: AP00039651
Portal Transaction: PortalTxn_314137
Job Reference Number: 23906-001 3045 Baseline

Fees:

GST/HST Registration No: 891131369

Description	Quantity	Unit Price($)	Sub Total($)	Tax($)	Total Amount($)
Locations or No Record Letters - FS	1.00	$54.50	$54.50	$7.09	$61.59

Sub Total:	$54.50
Tax:	$7.09
Total Amount Owing:	$61.59
Total Amount Paid:	$61.59

Note:
Prepayment relating to Minimum fees will be subject to additional billing for excess time above the minimum hours included in the minimum fee. This will be billed at the applicable hourly labour rate in ¼ hour increments. All labour rates are per inspector or engineer. Prepayment relating to Flat fees for engineering services or initial inspection may be subject to additional billing if excessive engineering review/initial inspection time is required.

TSSA now offers payment for invoices online via TSSA Client Portal.
As part of TSSA's continuous efforts to provide customers with a simpler and more efficient service, we are pleased to offer paperless invoicing. Simply register at https://forms.tssa.org/Sign-Up-for-Paperless-Invoicing.

For all enquiries:
Contact our Customer Contact Centre
Monday through Friday from 8 a.m. to 5 p.m.
(Excluding statutory holidays)
Toll Free: 1.877.682.8772
E-mail: customerservices@tssa.org

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345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

06 August 2025

Candice VanNorman
Cambium Inc
BOX 325 – 52 Hunter Street East
Peterborough, ON, K9H 1G5

Subject: **3045 Baseline Rd, Ottawa, Ontario, Canada, K2H 8P4**
Your File No.: **23906-001 3045 Baseline**
WO No.: **14711496**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested the release of information regarding the above noted address.

Requested records relating to the following Program(s) were located:

Program	Record	Documents Attached
Fuels Safety	☒	☒
Boiler/Pressure Vessel**	☐	☐
Elevating & Amusement Devices	☐	☐
Other	☐	☐

**For BPV, if it has been indicated that records have been located but are not attached, it is likely that TSSA may not be the keeper of the records you are looking for, see note below.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

Should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

M. Fowler

Melanie Fowler
Public Information Services Agent

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Limitations and Notices:

General:

TSSA, as a safety regulator, uses inspection resources to address the greatest harm posed to the public. Thus, inspection only follows-up on safety orders it issues based on the degree of risk posed by the non-compliance identified in the order(s). All high-risk orders will result in a follow-up inspection by TSSA until the non-compliance is resolved. TSSA no longer follows-up on low or medium risk orders referred to as safety tasks, therefore, TSSA can no longer provide you with a report indicating the safety tasks (low and medium-risk orders) have been resolved. This information should be obtained from the device/facility owner or their contractor. One can also engage a third-party contractor to confirm device/facility compliance.

The Public Information Department, (PID), can only provide ***existing*** records for a specific location, facility, or device. If an inspection or any other type of record does not exist, PID cannot instruct TSSA to do work, such as an inspection, to create a record. TSSA, as an outcome-based regulator, deploys all of its resources, including, inspections to address the greatest harm posed to the public; and as such, cannot deploy resources to create records to satisfy an inquiry.

Please Note: *While the PID provides existing records for a specific location, facility, or device; it does not interpret or provide further explanations of the content contained in the document.*

Change of Ownership

Please be advised, if the new owner has acquired a property that contains TSSA regulated devices, i.e. elevators, boilers and pressure vessels, they would be required to complete a change of ownership to obtain new licences. Visit our website at www.tssa.org under the Licencing & Registration section for the Change of Ownership process or contact our Customer Service department at 1.877.682.8772

TSSA Fuels Safety:

If you have environmental concerns regarding this property, you should consider hiring an environmental consultant to conduct an environmental assessment of the property in question.

- Sites that have not been licensed since 1987 may not be in TSSA records.
- Be advised, TSSA Fuels Safety Division did not register:
    - private fuel underground/ aboveground storage tanks prior to January of 1990; and
    - furnace oil tanks prior to May 1, 2002.
- If records being released to you relate to private fuel outlets (“PFOs”) or fuel oil furnace tanks, please note the following:
    - PFOs are defined in O. Reg. 217/01 (Liquid Fuels), where “private outlet” means “any premise, other than a retail outlet, where gasoline or an associated product is put into the fuel tanks of motor vehicles or floating motorized watercraft or into portable containers”. After 2001, PFOs were no longer required to be licenced in Ontario. Thus, TSSA’s records and information regarding PFOs is dated and unverified.
    - Underground furnace fuel oil tanks were required to be registered with TSSA commencing in 2001. These underground tanks are registered; however, TSSA does not inspect or verify the registered tank information. It is incumbent on the fuel distributor to ensure that the tanks are registered. Above ground fuel oil furnace tanks do not require TSSA registration.
    - Please be advised that while the TSSA releases information relating to PFOs or fuel oil furnace tanks pursuant to the TSSA’s Access and Privacy Code, the TSSA cautions against reliance on this information.

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- In particular, because PFOs do not require a license and there is no requirement to submit any documentation to TSSA for review or approval, TSSA has limited information on these facilities. The TSSA cautions that any information provided may be inaccurate, incomplete, or out of date.

- Fuels Safety Division does not register

  - private waste oil tanks in apartments, office buildings, residences etc.; and
  - aboveground gas or diesel tanks.

- The *Technical Standards and Safety Act* and associated regulations do not require the registration of private fuel outlets, nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA Elevating & Amusement Devices Program Notice:

- All orders and/or directions issued by the TSSA Inspector have a compliance date and the owner or designated contractor are required to comply within the specified time limit. Compliance is the responsibility of the owner or operator of the device.

- All written declarations of compliance (where eligible) should be sent to TSSA. Once a declaration of compliance has been received, the outstanding order will be resolved.

- Each report shows the details and date of the inspection conducted by TSSA at the requested location.

- The Ontario Amusement Devices Regulation (O. Reg. 221/01) was adopted in 2001. Since that time, TSSA retains copies of technical dossiers of new amusement devices in Ontario (as per TSSA's retention policy). However, for rides that existed prior to the adoption of the Regulation, which were subject to a "grandfathering-in" clause, technical dossiers were not required to be filed with the TSSA. However, if the amusement ride remains in operation, as per ASTM requirements, the owner/licensee must possess an operations document for the device in question.

Federal Elevators

- Please be advised that without the express written consent of the owner, the TSSA does not release any information with respect to federal elevators or federal elevating equipment. The TSSA is a provincial regulator for the province of Ontario and federal elevators do not fall within the scope of TSSA's provincial mandate and the *Technical Standards and Safety Act* and associated Regulations. Further, the TSSA's Access and Privacy Code only applies to information collected, used, or disclosed by the TSSA in the course of TSSA's administration of the *Act*. Therefore, information with respect to federal elevators or federal elevator equipment is outside of the administration of the *Act,* and outside of the scope of the TSSA's Access and Privacy Codes.

Indigenous Lands

- Please be advised that the TSSA does not release any information with respect to indigenous lands, which are outside of the TSSA's mandate, without the express written permission from the Band. The *Technical Standards and Safety Act*, associated regulations, and TSSA's Access and Privacy Code does not apply to indigenous lands.

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TSSA Boilers and Pressure Vessels (BPVs) Program Notice:

- Be advised, TSSA does not typically periodically inspect BPVs. These inspections are usually performed by insurance companies.

- **Inspection reports may not be submitted to TSSA by insurance companies; therefore, while TSSA may have some evidence of a BPV at a location on file, there may be no inspection records pertaining to BPVs located at the address provided.

- As of July 1, 2018, BPVs in Ontario may not be operated unless the Director has issued a current certificate of inspection (COI) to the owner or operator. A COI will be issued to the owner or operator of the BPV by TSSA after TSSA has received a Record of Inspection (ROI) from the insurer/third-party inspector, the associated fees have been paid and the BPV has passed a periodic inspection.

- Please note that if the BPV in question is insured, the insurance company may have additional inspection records. Please contact the insurer directly should you wish to obtain further information.

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Fuels Inventory - 3045 Baseline Rd, Ottawa, Ontario, Canada, K2H 8P4

Inventory Address	Inventory City	Inventory Province	Inventory Postal Code	Asset Type / Inventory Item	Inventory Status Reason Code	Inventory Number	FS Capacity	FS Corrosion Protection	FS Description	FS Fuel Type	FS Fuel Type 2	FS Installation Year	FS Model	FS Tank Material	FS Appliance Type
3045 BASELINE RD	NEPEAN	ON	K2H 8P4	FS FUEL OIL TANK	Active	63972271	20000	Fiberglass				2008		Fiberglass (FRP)	
3045 BASELINE RD	NEPEAN	ON	K2H 8P4	FS APPLIANCE	Registered/Approved	100014528			Hot Water Boiler	NG	Propane	2022	CB700X-600		Boiler - Water Heater/Solution Heater/ Water Boiler

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TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

Inspection Report

Work Order # 14393833
Inspection Report # 10196933

Inspection Address: 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Reference Number(s): 100014528	Inspection Completion Date: Sep 10, 2024
	Facility Type:	Equipment Type: FS Appliance
Customer Name and Address: QUEENSWAY-CARLETON HOSPITAL 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Task Type: FS Follow-up Inspection Field Approval - Multiple Fuels	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

Where inspection orders are issued, TSSA will perform a follow-up inspection to confirm compliance. The responsible party is expected to make all the necessary corrections within the compliance time specified.

TSSA inspector Ian Proulx perform a follow up field Approval inspection on September 10 and 11 2024 located at 3045 Baseline Road for the Queensway Carleton Hospital in Ottawa Ontario. Inspector Proulx met with Marc Villeneuve a representative of BGIS ITS Canada Ltd to complete a Field Approvals application SR 8184533.

1) One boiler manufactured by Cleaver Brooks Model # CB700X-600 and Serial # S-58785
.
Testing of the safety limits and interlocks for operation of Cleaver Brooks boiler model # CB700X-600 concluded to be satisfactory.

TSSA Field Approval Label FSD 21710 has been affixed to the nameplate of the unit.

Billing applied as per Technical Standards and Safety Act/2000, Section 19 and TSSA billing policy.

Inspection is complete.

INSPECTION ORDER(S) ISSUED TO: QUEENSWAY-CARLETON HOSPITAL

INDIVIDUAL(s) ENSURING COMPLIANCE: Martin Julien

No.	Resolved / Revoked Inspection Order(s)	Issued Date	Status

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
(Note: This is not an invoice)

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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Inspection Report

Work Order # 14393833
Inspection Report # 10196933

1.	CAN/CSA-B149.1 Natural Gas and Propane Installation Code Clause 4.2.1 An appliance, accessory, component, equipment, or material used in an installation shall be of a type and rating approved for the specific purpose for which it is employed. Comply with Clause 4.2.1 of the CAN/CSA-B149.1 Code, and ensure any appliance, accessory, component, equipment, or material used in an installation is approved for the specific purpose for which it is employed.	Feb 01, 2024	Resolved
2.	CAN/CSA-B149.2 Propane Storage and Handling Code Clause 5.3.3 Readily ignitable materials, including weeds and long dry grass, shall be removed from the area within 10 ft (3 m) of a container, and this area shall be kept clear of such material at all times. Comply with clause 5.3.3 of the CAN/CSA-B149.2 Code, and remove any readily ignitable materials within 10 ft (3 m) of any propane storage container.	Jun 07, 2024	Resolved
3.	CAN/CSA-B149.2 Propane Storage and Handling Code Clause 7.1.12 Return lines from pumps, meters, or dispensing devices, if connected to the liquid space of a tank, shall be equipped with a back check valve. Please add description	Jun 07, 2024	Resolved

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,
(a) ensuring compliance with this Act, the regulations or Minister's order;
(b) ensuring that an authorization holder remains entitled to the authorization; or
(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	**Inspector Name:**	**Inspector Contact Number:**
	Ian Proulx	**+1 613-325-3893**

Report Received By:	**Customer Contact Number:**	**Inspector Email:**
mjulien@qch.on.ca		**iproulx@tssa.org**

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
(Note: This is not an invoice)

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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Inspection Report

Work Order # 14344539
Inspection Report # 10185470

Inspection Address: 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Reference Number(s): 100014528	Inspection Completion Date: Jul 23, 2024
	Facility Type:	Equipment Type: FS Appliance
Customer Name and Address: QUEENSWAY-CARLETON HOSPITAL 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Task Type: FS Follow-up Inspection Field Approval - Multiple Fuels	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

Where inspection orders are issued, TSSA will perform a follow-up inspection to confirm compliance. The responsible party is expected to make all the necessary corrections within the compliance time specified.

TSSA Inspector Ian Proulx conducted a follow up field approval inspection on July 23, 2024, located at 3045 Baseline Road for the Queensway Carleton Hospital in Ottawa. Inspector Proulx met with Marc Villeneuve a representative May 10, 2024, of BGIS ITS Canada LTD one G1certificate holder and we proceed to reviews safety check and perform set up combustion test to 100 % firing rate on a hot water boiler dual fuel natural gas only and propane, manufacturer by Cleaver Brooks Model# CB700X-600, Serial# S-58785 at the above address.
Please Note: This boiler will be allowed to fire at 100% on natural gas only. Also, this inspector as perform a visual inspection on the propane supply tank outside that supply propane as a second alternative fuel to the Cleaver Brooks Boiler and this inspector as notice these deficiencies on site.
1) The Propane Tank outside will need to be Painted and piping.
2) The propane vaporizer will also require documentation on site for service and clearance, distance from the propane tank if required.
3) This inspector will required to see the Cleaver Brooks operating on propane and perform safety check and combustion test on the propane fuel as well with Combustion test.
4) The grass will required to be removed in the compound area as per order below.
5) THIS INSPECTOR WILL REQUIRE A CURRENT COPY OF THE COMPREHENSIVE INSPECTION REPORT FOR THIS PROPANE FACILITY FROM SUPERIOR PROPANE.
This was explain Martin Julien Chief Engineer with a new compliance date with all peoples involved regarding these observations and deficiencies, Also as indicated above this inspector will allow the leave the Cleaver Brooks Boiler operating at 100% capacity on Natural Gas Only until the compliance shown below.

inspection not complete

INSPECTION ORDER(S) ISSUED TO: QUEENSWAY-CARLETON HOSPITAL

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
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TECHNICAL STANDARDS and SAFETY AUTHORITY

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Inspection Report

Work Order # 14344539
Inspection Report # 10185470

INDIVIDUAL(s) ENSURING COMPLIANCE:

No.	Inspection Order(s)	Issued Date	Compliance Date
1.	**CAN/CSA-B149.1 Natural Gas and Propane Installation Code Clause 4.2.1** **An appliance, accessory, component, equipment, or material used in an installation shall be of a type and rating approved for the specific purpose for which it is employed.** **Comply with Clause 4.2.1 of the CAN/CSA-B149.1 Code, and ensure any appliance, accessory, component, equipment, or material used in an installation is approved for the specific purpose for which it is employed.**	**Feb 01, 2024**	**Sep 05, 2023**
2.	**CAN/CSA-B149.2 Propane Storage and Handling Code Clause 5.3.3** **Readily ignitable materials, including weeds and long dry grass, shall be removed from the area within 10 ft (3 m) of a container, and this area shall be kept clear of such material at all times.** **Comply with clause 5.3.3 of the CAN/CSA-B149.2 Code, and remove any readily ignitable materials within 10 ft (3 m) of any propane storage container.**	**Jun 07, 2024**	**Sep 05, 2024**
3.	**CAN/CSA-B149.2 Propane Storage and Handling Code Clause 7.1.12** **Return lines from pumps, meters, or dispensing devices, if connected to the liquid space of a tank, shall be equipped with a back check valve.** **Please add description**	**Jun 07, 2024**	**Sep 05, 2024**

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,
(a) ensuring compliance with this Act, the regulations or Minister's order;
(b) ensuring that an authorization holder remains entitled to the authorization; or
(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	Inspector Name:	Inspector Contact Number:
	Ian Proulx	**+1 613-325-3893**

Report Received By:	Customer Contact Number:	Inspector Email:
		iproulx@tssa.org

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Inspection Report

Work Order # 14315793
Inspection Report # 10177326

Inspection Address: 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Reference Number(s): 100014528	Inspection Completion Date: Jun 7, 2024
	Facility Type:	Equipment Type: FS Appliance
Customer Name and Address: QUEENSWAY-CARLETON HOSPITAL 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Task Type: FS Follow-up Inspection Field Approval - Multiple Fuels	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

Where inspection orders are issued, TSSA will perform a follow-up inspection to confirm compliance. The responsible party is expected to make all the necessary corrections within the compliance time specified.

TSSA Inspector Ian Proulx conducted a follow up field approval inspection on June 07, 2024, located at 3045 Baseline Road for the Queensway Carleton Hospital in Ottawa. Inspector Proulx met with Marc Villeneuve a representative May 10, 2024, of BGIS ITS Canada LTD one G1certificate holder and we proceed to reviews safety check and perform set up combustion test to 100 % firing rate on a hot water boiler
dual fuel natural gas only and propane, manufacturer by Cleaver Brooks Model# CB700X-600, Serial# S-58785 at the above address. Please Note: This boiler will be allowed to fire at 100% on natural gas only. Also, this inspector as perform a visual inspection on the propane supply tank outside that supply propane as a second alternative fuel to the Cleaver Brooks Boiler and this inspector as notice these deficiencies on site.

1) The Propane Tank outside will need to be Painted and piping.
2) The propane vaporizer will also require documentation on site for service and clearance, distance from the propane tank if required.
3) This inspector will required to see the Cleaver Brooks operating on propane and perform safety check and combustion test on the propane fuel as well with Combustion test.
4) The grass will required to be removed in the compound area as per order below.
5) THIS INSPECTOR WILL REQUIRE A CURRENT COPY OF THE COMPREHENSIVE INSPECTION REPORT FOR THIS PROPANE FACILITY FROM SUPERIOR PROPANE.

This was explain Martin Julien Chief Engineer with a new compliance date with all peoples involved regarding these observations and deficiencies, Also as indicated above this inspector will allow the leave the Cleaver Brooks Boiler operating at 100% capacity on Natural Gas Only until
the compliance shown below.

*** Please Note this will be this Inspector last extension for this File. ***
***PLEASE NOTE THAT THIS INSPECTOR WILL ALLOWED ONLY Marc Villeneuve AND Andy Boisvert TO PERFORM REPAIR AND SETUP TO OPERATED ON ONE Cleaver Brooks HAS MENTION ABOVE FOR THE DURATION BEFORE THE COMPLIANCE DATE SHOWN BELOW ***

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
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Inspection Report

Work Order # 14315793

Inspection Report # 10177326

Inspection not complete

INSPECTION ORDER(S) ISSUED TO: QUEENSWAY-CARLETON HOSPITAL

INDIVIDUAL(s) ENSURING COMPLIANCE: Andrew Hazeldean

No.	Inspection Order(s)	Issued Date	Compliance Date
1.	**CAN/CSA-B149.2 Propane Storage and Handling Code Clause 5.3.3** **Readily ignitable materials, including weeds and long dry grass, shall be removed from the area within 10 ft (3 m) of a container, and this area shall be kept clear of such material at all times.** **Comply with clause 5.3.3 of the CAN/CSA-B149.2 Code, and remove any readily ignitable materials within 10 ft (3 m) of any propane storage container.**	**Jun 07, 2024**	**Jul 19, 2024**
2.	**CAN/CSA-B149.2 Propane Storage and Handling Code Clause 7.1.12** **Return lines from pumps, meters, or dispensing devices, if connected to the liquid space of a tank, shall be equipped with a back check valve.** **Please add description**	**Jun 07, 2024**	**Jul 19, 2024**
3.	**CAN/CSA-B149.1 Natural Gas and Propane Installation Code Clause 4.2.1** **An appliance, accessory, component, equipment, or material used in an installation shall be of a type and rating approved for the specific purpose for which it is employed.** **Comply with Clause 4.2.1 of the CAN/CSA-B149.1 Code, and ensure any appliance, accessory, component, equipment, or material used in an installation is approved for the specific purpose for which it is employed.**	**Feb 01, 2024**	**Jul 19, 2024**

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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Inspection Report

Work Order # 14315793
Inspection Report # 10177326

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,

(a) ensuring compliance with this Act, the regulations or Minister's order;

(b) ensuring that an authorization holder remains entitled to the authorization; or

(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	**Inspector Name:**	**Inspector Contact Number:**
	Ian Proulx	**+1 613-325-3893**

Report Received By:	**Customer Contact Number:**	**Inspector Email:**
AndrewH2@airongroup.ca	**613 315-9123**	**iproulx@tssa.org**

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Inspection Report

Work Order # 14228141
Inspection Report # 10157190

Inspection Address: 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Reference Number(s): 100014528	Inspection Completion Date: May 10, 2024
	Facility Type:	Equipment Type: FS Appliance
Customer Name and Address: QUEENSWAY-CARLETON HOSPITAL 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Task Type: FS Follow-up Inspection Field Approval - Multiple Fuels	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

Where inspection orders are issued, TSSA will perform a follow-up inspection to confirm compliance. The responsible party is expected to make all the necessary corrections within the compliance time specified.

TSSA Inspector Ian Proulx conducted a follow up field approval inspection on May 10, 2024, located at 3045 Baseline Road for the Queensway Carleton Hospital in Ottawa. Inspector Proulx met with Marc Villeneuve a representative January 30, 2024, of BGIS ITS Canada LTD one G1
certificate holder and we proceed to reviews safety check and perform set up combustion test to 100 % firing rate on a hot water boiler dual fuel natural gas only and propane, manufacturer by Cleaver Brooks Model# CB700X-600, Serial# S-58785 at the above address. Please Note: This boiler will be allowed to fire at 100% on natural gas only. Also, this inspector as perform a visual inspection on the propane supply tank outside that supply propane as a second alternative fuel to the Cleaver Brooks Boiler and this inspector as notice these deficiencies on site.

1) The Propane Tank outside will need to be Painted and piping.
2) This inspector will require from a CIVIL professional engineer a letter sign, that the base (Footing) is safe for the weight of This massive propane tank made in 1975. This is Due to this inspector observation that Groundhog have made a home around the Base.
(Footing) saddle closer the Hospital.
3) The propane vaporizer will also require documentation on site for service and clearance, distance from the propane tank if required.
4) This inspector will required to see the Cleaver Brooks operating on propane and perform safety check and combustion test on the propane fuel as well with Combustion test.

This was explain Martin Julien Chief Engineer with a new compliance date with all peoples involved regarding these observations and deficiencies, Also as
indicated above this inspector will allow the leave the Cleaver Brooks Boiler operating at 100% capacity on Natural Gas Only until the compliance shown below.

*** Please Note this will be this Inspector last extension for this File. ***

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Inspection Report

Work Order # 14228141
Inspection Report # 10157190

***PLEASE NOTE THAT THIS INSPECTOR WILL ALLOWED ONLY Marc Villeneuve AND Andy Boisvert TO PERFORM REPAIR AND SETUP TO OPERATED ON ONE Cleaver Brooks HAS MENTION ABOVE FOR THE DURATION BEFORE THE COMPLIANCE DATE SHOWN BELOW ***

Inspection not complete

INSPECTION ORDER(S) ISSUED TO: QUEENSWAY-CARLETON HOSPITAL

INDIVIDUAL(s) ENSURING COMPLIANCE: mjulien@qch.on.ca

No.	Inspection Order(s)	Issued Date	Compliance Date
1.	**CAN/CSA-B149.1 Natural Gas and Propane Installation Code Clause 4.2.1** **An appliance, accessory, component, equipment, or material used in an installation shall be of a type and rating approved for the specific purpose for which it is employed.** **Comply with Clause 4.2.1 of the CAN/CSA-B149.1 Code, and ensure any appliance, accessory, component, equipment, or material used in an installation is approved for the specific purpose for which it is employed.**	**Feb 01, 2024**	**May 31, 2024**

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,
(a) ensuring compliance with this Act, the regulations or Minister's order;
(b) ensuring that an authorization holder remains entitled to the authorization; or
(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	Inspector Name:	Inspector Contact Number:
	Ian Proulx	**+1 613-325-3893**

Report Received By:	Customer Contact Number:	Inspector Email:
Martin Julien	**mjulien@qch.on.ca**	**iproulx@tssa.org**

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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Inspection Report

Work Order # 8184533
Inspection Report # 10055081

Inspection Address: 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Reference Number(s): 100014528	Inspection Completion Date: Jul 25, 2023
	Facility Type:	Equipment Type: FS Appliance
Customer Name and Address: QUEENSWAY-CARLETON HOSPITAL 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Task Type: FS Field Approval Inspection - Multiple Fuels	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

Where inspection orders are issued, TSSA will perform a follow-up inspection to confirm compliance. The responsible party is expected to make all the necessary corrections within the compliance time specified.

TSSA Inspector Ian Proulx conducted a follow up field approval inspection on January 30, 2024, located at 3045 Baseline Road for the Queensway
Carleton Hospital in Ottawa. Inspector Proulx met with Marc Villeneuve a representative of BGIS ITS Canada LTD one G1 certificate holder and we proceed to reviews safety check and perform set up combustion test to 100 % firing rate on a hot water boiler dual fuel natural gas only and propane, manufacturer by Cleaver Brooks Model# CB700X-600, Serial# S-58785 at the above address. Please Note: This boiler will be allowed to fire at 100% on natural gas only. Also, this inspector as perform a visual inspection on the propane supply tank outside that supply propane as a second alternative fuel to the Cleaver Brooks Boiler and this inspector as notice these deficiencies on site.

1) The Propane Tank outside will need to be Painted and piping.

2) This inspector will require from a CIVIL professional engineer a letter sign, that the base (Footing) is safe for the weight of this
massive propane tank made in 1975. This is Due to this inspector observation that Groundhog have made a home around the Base. (Footing) saddle closer the Hospital.

3) The propane vaporizer will also require documentation on site for service and clearance, distance from the propane tank if required.

4) This inspector will required to see the Cleaver Brooks operating on propane and perform safety check and combustion test on the propane fuel as well
with Combustion test.

5) Also, the chimney flashing will need to be install (on the Ground in Mechanical room) will required to be install at chimney wall to seal mechanical for fresh air.

6) This Inspector will require a Letter sign from a Mechanical Engineer for the total BTU in the Boiler room for proper fresh air, this

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Inspection Report

Work Order # 8184533
Inspection Report # 10055081

will review by TSSA engineer for approval.

This was explain Martin Julien Chief Engineer with all peoples involved regarding these observations and deficiencies, Also as indicated above this inspector will allowed the leave the Cleaver Brooks Boiler operating at 100% capacity on Natural Gas Only until the compliance shown below.

*** Please Note this will be this Inspector last extension for this File.***

***PLEASE NOTE THAT THIS INSPECTOR WILL ALLOWED ONLY Marc Villeneuve AND Andy Boisvert TO PERFORM REPAIR AND SETUP TO OPERATED ON ONE Cleaver Brooks HAS MENTION ABOVE FOR THE DURATION BEFORE THE COMPLIANCE DATE SHOWN BELOW ***

Inspection not complete

INSPECTION ORDER(S) ISSUED TO: QUEENSWAY-CARLETON HOSPITAL

INDIVIDUAL(s) ENSURING COMPLIANCE: Martin Julien

No.	Inspection Order(s)	Issued Date	Compliance Date
1.	**CAN/CSA-B149.1 Natural Gas and Propane Installation Code Clause 4.2.1** **An appliance, accessory, component, equipment, or material used in an installation shall be of a type and rating approved for the specific purpose for which it is employed.** **Comply with Clause 4.2.1 of the CAN/CSA-B149.1 Code, and ensure any appliance, accessory, component, equipment, or material used in an installation is approved for the specific purpose for which it is employed.**	**Feb 01, 2024**	**Apr 25, 2024**

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,
(a) ensuring compliance with this Act, the regulations or Minister's order;
(b) ensuring that an authorization holder remains entitled to the authorization; or
(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	Inspector Name:	Inspector Contact Number:
	Ian Proulx	**+1 613-325-3893**

Report Received By:	Customer Contact Number:	Inspector Email:
Martin Julien	**mjulien@qch.on.ca**	**iproulx@tssa.org**

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
(Note: This is not an invoice)

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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www.tssa.org

Inspection Report

Work Order # 8122974

Inspection Report # 10043067

Inspection Address: 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Reference Number(s):	Inspection Completion Date: May 31, 2022
	Facility Type:	Equipment Type:
Customer Name and Address: QUEENSWAY-CARLETON HOSPITAL 3045 BASELINE RD NEPEAN ON K2H 8P4 Canada	Task Type: FS Inspection Consultation	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

TSSA inspector Ian Proulx conducted a consultation inspection on May 19, 2022, at Queensway Carleton Hospital located at 3045 Baseline
Road in Ottawa. Inspector Proulx was invited by Matthew Desjardins a Project Manager Planning at the Queensway Carleton Hospital to consulted on a new installation of a Cain Industries Heat Recovery Systems Serial # 9246. After inspecting the condition inside and the installation arrangement of the chimney and the deterioration of the steel of the chimney this inspector as theses recommendation.

1) The exiting Cogen engine on site, that the chimney is attached in conjunction with the new Cain unit that being install, will required to have a Variance application approval by TSSA.
2) The Venting will be required to be approved due to the Product of combustion produce by the Cogen engine and entering the Cain Industries heat recovery systems
3) If fabricated it will need to meet the NMPA/211 the building code of Ontario with a (P Eng. Letter) or a certified chimney install by a registered contractor and a certificated holder

This inspector as explain this to Matthew Desjardins the Project Manager of Planning at the Queensway Carleton Hospital to apply for a Variance for the Cain unit being install and venting.

Cost recovery fees will be billed to the above-named client by Authority of Section 19 of the TSSAct, 2000 and according to TSSA billing policy.

INSPECTION ORDER(S) ISSUED TO: QUEENSWAY-CARLETON HOSPITAL
INDIVIDUAL(s) ENSURING COMPLIANCE: Matthew Desjardin

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Inspection Report

Work Order # 8122974

Inspection Report # 10043067

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,

(a) ensuring compliance with this Act, the regulations or Minister's order;

(b) ensuring that an authorization holder remains entitled to the authorization; or

(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	Inspector Name:	Inspector Contact Number:
	Ian Proulx	+1 613-325-3893

Report Received By:	Customer Contact Number:	Inspector Email:
Matthew Desjardin	613 415 7260	iproulx@tssa.org

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September 15, 2021

MARTIN JULIEN
QUEENSWAY CARLETON HOSPITAL
3045 BASELINE RD
NEPEAN ON K2H 8P4
MJULIEN@QCH.ON.CA

FS Variance
Service Request No.: 2993604
Installed at: 3045 BASELINE RD, NEPEAN

Request for Variance from Clause 4.5.2 of the B149.1-20 Code, O. Reg. 212/01

Dear MARTIN JULIEN,

This is in response to your variance application involving the chimney for Cleaver Brooks boiler Model #: CB-700-X-600, Serial #: S-58785.

Your variance request was to allow for continued use of the existing chimney until it is replaced by August 1, 2022.

Please be advised that your variance application has been approved because we have received a letter dated September 10, 2021 from Andy Hazeldean (G1) informing us that the chimney is in good condition and it will be fine to operate during this upcoming heating season. They will continue to monitor the chimney during the heating season to ensure that there are no issues.

This variance is allowed under the authority of subsection 36.(3)(c) of the *Technical Standards and Safety Act, 2000*, (the "Act") and subject to such conditions as may be specified herein, being that:

- The installation/system/appliance dealt with in this variance must be inspected and may be periodically audited by TSSA. Please contact Ian Proulx at 613-325-3893 or by email at iproulx@tssa.org to arrange for the inspection;
- The variance is approved until August 1, 2022;
- Non-conformity with the conditions specified shall thereby cause the allowed variance to become null and void;
- The applicant accepts full responsibility for any and all damages resulting from the use of the thing to which the variance applies. The applicant further accepts full responsibility for any impacts to the health and safety of any person in consequence of the allowance of the variance or of non-conformity with the conditions specified. The Technical Standards and Safety Authority accepts no responsibility for any such damages or impacts;
- In the event of any claims against the Technical Standards and Safety Authority arising from allowance of the variance or non-conformity with the conditions specified, the applicant agrees to indemnify the Technical Standards and Safety Authority and agrees to hold it harmless from such claims and attendant costs;

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- The variance process is subject to public access under the TSSA Access and Privacy Code (available upon request). The fact that a variance has been granted and information about any public conditions, such as a requirement to post a sign, may be released on request. Subject to law and the TSSA Access and Privacy Code, proprietary information will not be subject to release;
- The applicant shall pay the fee associated with the review of the variance; and
- A copy of the variance letter shall always be kept readily available and permanently legible in the vicinity of the appliance/equipment.

This variance only relates to the Act and regulations made thereunder and does not exempt you from compliance with other applicable regulatory requirements. The installation may be subject to an inspection to ensure compliance with the terms of the variance.

Should you have any questions or require further assistance, please contact Marek Kulik at 416.734.3465 or by email at mkulik@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zenon Fraczkowski

Zenon J. Fraczkowski, P. Eng.
Manager, Fuels Safety Engineering
Delegated Authority under section 36(3) (c) of TSS Act

c. Ian Proulx, TSSA (iproulx@tssa.org)
Mike Goldberg, TSSA (mgoldberg@tssa.org)

A legible copy of this letter shall be kept readily available near the appliance/equipment.
This variance is not valid unless all variance conditions in this letter have been met.

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FS Inspection Report

Service Request #	**2993604**
Inspection Report #	**8853017**

Inspection Address: **3045 BASELINE RD** **NEPEAN;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **JAN 18, 2021** Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **NEPEAN;ON** **CA K2H 8P4**	Task Type: FS-Variance Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

PO Number: 38855

Task Notes

TSSA Inspector Ian Proulx received and review a Variance application to allow temporary operation of a repair of an non certified chimney serving a Cleaver Brooks boiler Model# CB 700-X-600 Serial # S-58785 at Queensway Carleton Hospital located at 3045 Baseline Road in Ottawa and has been approved to operated till August 01, 2021.
.
Inspector Proulx verified as per the Variance application and condition for Clause 4.5.2 of the CSA B149.1-15 code of Ontario.

TSSA Variance SR 2993604 approval letter dated October 13, 2021. The remaining items listed on said letter where found to comply with the terms and conditions listed therein.

Cost recovery fees will be billed to the above-named client by authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.

***Please note that a copy of the variance approval letter is to be kept readily available and permanently legible near the appliance/equipment affected as required in said letter. ***

***Please Note That this Variance will expires August 01, 2021; ***

Variance complete

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613-325-3893
Report Received By:	**Customer Contact Number:**	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
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January 13, 2021

MARTIN JULIEN
QUEENSWAY CARLETON HOSPITAL
3045 BASELINE RD
NEPEAN ON K2H 8P4
MJULIEN@QCH.ON.CA

FS Variance
Service Request No.: 2993604
Installed at: 3045 BASELINE RD, NEPEAN

Request for a variance from clause 4.5.2 of the B149.115 Code, O.Reg. 2121/01

Dear MARTIN JULIEN,

Please be advised that your variance application dated January 7, 2021 to allow a temporary operation of the repaired chimney serving Cleaver Brooks boiler Model#: CB-700-X-600, Serial #: S-58785, has been approved based on information submitted by Andy Hazeldean (G1) confirming that: 1) the chimney is in good condition with the only issue being internal corrosion where the chimney penetrates the wall and attaches to the vertical run. The entire corroded section will be cut out from the vertical attachment back to good solid material, 48". A new section will be weld in, 1/8" steel rolled to the exact same dimensions as the existing one and weld it to the vertical and horizontal runs (as per drawing: QCH stack drawing); 2) he has a confidence of the safety and integrity of this proposed repair.

This variance is allowed under the authority of subsection 36.(3)(c) of the *Technical Standards and Safety Act, 2000*, (the "Act") and subject to such conditions as may be specified herein, being that:

- The variance is approved until August 1, 2021;
- The chimney shall not to be used until it is repaired and tested for leaks (passes test);
- A CO detector shall be installed near the repaired section where the workers work;
- The installation shall be inspected by a TSSA inspector prior to operation. Please call Ian Proulx at 613-325-3893 to arrange for the inspection;
- Non-conformity with the conditions specified shall thereby cause the allowed variance to become null and void;
- The applicant accepts full responsibility for any and all damages resulting from the use of the thing to which the variance applies. The applicant further accepts full responsibility for any impacts to the health and safety of any person in consequence of the allowance of the variance or of non-conformity with the conditions specified. The Technical Standards and Safety Authority accepts no responsibility for any such damages or impacts;
- In the event of any claims against the Technical Standards and Safety Authority arising from allowance of the variance or non-conformity with the conditions specified, the applicant agrees to indemnify the Technical Standards and Safety Authority and agrees to hold it harmless from such claims and attendant costs;

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- The variance process is subject to public access under the TSSA Access and Privacy Code (available upon request). The fact that a variance has been granted, and information about any public conditions, such as a requirement to post a sign, may be released on request. Subject to law and the TSSA Access and Privacy Code, proprietary information will not be subject to release;

- The applicant shall pay the fee associated with the review of the variance;

- A copy of the variance letter shall always be kept readily available and permanently legible in the vicinity of the appliance/device.

This variance only relates to the Act and regulations made thereunder and does not exempt you from compliance with other applicable regulatory requirements. The installation may be subject to an inspection to ensure compliance with the term of the variance.

Should you have any questions or require further assistance, please contact Marek Kulik at 416.734.3465, or by e-mail at mkulik@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zenon J. Fraczkowski, P. Eng.
Manager, Fuels Engineering
Delegated Authority under section 36(3) (c) of TSS Act

Copy:
Ian Proulx, TSSA, iproulx@tssa.org
Mike Goldberg, TSSA, mgoldberg@tssa.org

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FS Inspection Report

Service Request #	**2993018**
Inspection Report #	**8843116**

Inspection Address: **3045 BASELINE RD** **NEPEAN;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **NEPEAN;ON** **CA K2H 8P4**	Task Type: FS-Unscheduled Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: QUEENSWAY CARLETON HOSPITAL:

Line	Reference and Order(s)	Compliance Date
903684-1	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 4.1.3 - An appliance, accessory, component, equipment, or any other item shall be installed in accordance with the manufacturer's certified instructions and this Code. TSSA inspection as determined that Queensway Carleton Hospital has failed to comply with this code henceforth. You are hereby ordered to comply with clause 4.1.3 of the CAN/CSA B149.1-15 Code and ensure any appliance, accessory, component or equipment is installed in accordance with the manufacturer's certified instructions and the CAN/CSA B149.1-15 Code.	JAN 07, 2021
903684-4	Unlisted Deficiency The following Order is issued January 07, 2021 4.5.2 The use of an appliance, accessory, component, equipment, or material shall be prohibited where a hazard is created. TSSA inspection has determined that Queensway Carleton Hospital has failed to comply with this code Henceforth.	JAN 07, 2021

Task Notes

TSSA inspector Ian Proulx conducted an unscheduled inspection on January 07, 2021 at Queensway Carleton Hospital located at 3045 Baseline Road in Ottawa. Inspector Proulx was made aware of an issued during a contractor inspecting the inside of the chimney of one boiler Cleaver Brooks CB Packaged Boiler serial # S 58785 in boiler Room. After inspecting the condition outside and the picture supply by the contractor for inside of the chimney also due to the deterioration of the steel of the chimney this inspector as issued these orders.

Also, please note that this boiler venting will need to be repair and this inspector will need to modify before putting in to use.

This inspector as explain this to Martin Julien the Facilities Manager and chief Planning and Facilities.

The above Inspector's Orders are a result of the inspection. Cost recovery fees will be billed to the above-named client by Authority of Section 19 of the TSSAct, 2000 and according to TSSA billing policy. Pursuant to my Authority under Section 21 of the TSSAct, 2000, you are hereby ordered to comply with the above Orders forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613-325-3893
Report Received By: Martin Julien via: mjulien@qch.on.ca	**Customer Contact Number:** (613) 721-2000 Ext 1308	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
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FS Inspection Report

Service Request #	**2993018**
Inspection Report #	**8843116**

Inspection Address: **3045 BASELINE RD** **NEPEAN;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **NEPEAN;ON** **CA K2H 8P4**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613-325-3893
Report Received By: Martin Julien via: mjulien@qch.on.ca	**Customer Contact Number:** (613) 721-2000 Ext 1308	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2212564**
Inspection Report #	**7054138**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date: **DEC 18, 2017**
	Facility Type:	Equipment Type:
Customer Name and Address: **TP CRAWFORD LTD** **4549 SOUTHCLARK PL** **GLOUCESTER;ON** **CA K1T 3V2**	Task Type: FS-Unscheduled Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: TP CRAWFORD LTD

Line	Reference and Order(s)	Compliance Date
810551-1	CAN/CSA-B149.2-15 Propane Storage and Handling Code Clause 6.5.3.9 Cylinders on building rooftops shall comply with the following requirements: (a) A propane cylinder shall not be on the roof of a building unless the cylinder is to be connected for work undertaken on the roof during the current or the immediate following work shift. (b) Cylinders not in use shall be stored in accordance with provisions of Clause 6.5.3.2, and the following requirements shall also apply: (i) The weight of the cylinder(s) shall not exceed the net load capacity of the roofing structure as specified by building owner/management. (ii) The storage area shall be at least 10 ft (3 m) from the building edge or a change in elevation of more than 3 feet (0.9 m). (iii) Cylinders shall be secured to maintain the cylinders in the proper storage position during inclement weather. (iv) All cylinders shall be removed upon completion of the work. (c) Cylinders properly connected in an approved manner to the appliance they serves shall be adequately secured from inclement weather. (d) No more than 1000 lb (450 kg) of propane in total capacity shall be on the roof. The following Order is issued Dec.18th, 2017. TSSA Inspection has determined T.P. Crawford Ltd; does not comply with this code (6x100lb propane cylinders were stored next to the building edge). You are hereby Ordered to comply with CAN/CSA-B149.2-15 Propane Storage and Handling Code Clause 6.5.3.9 from this day forward.	DEC 18, 2017

Task Notes

TSSA Inspector David Barclay travelled to 3045 Baseline Rd; Ottawa (Queensway Carleton Hospital) on Dec.14th, 2017 to conduct an inspection of the propane cylinder storage and handling.

During this inspection the following code infraction was discovered:

*6x100lb propane cylinders were stored next to the building's edge.

On Dec.18th, 2017 this Inspector travelled to 4549 South Clark Place, Gloucester and consulted with Mr. Kevin Macintyre regarding the storage of propane cylinders at the construction site.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Kevin Macintyre via: kevinmacintyre@tpcrawford.ca	**Customer Contact Number:** (613) 223-6826	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**2212564**
Inspection Report #	**7054138**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **DEC 18, 2017** Equipment Type:
Customer Name and Address: **TP CRAWFORD LTD** **4549 SOUTHCLARK PL** **GLOUCESTER;ON** **CA K1T 3V2**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Pursuant to my Authority under Section 21 of the TSSAct, 2011, you are hereby Ordered to comply with the above Order forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Kevin Macintyre via: kevinmacintyre@tpcrawford.ca	**Customer Contact Number:** (613) 223-6826	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**2210366**
Inspection Report #	**7050250**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **DEC 15, 2017** Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No Orders Issued

Task Notes

TSSA Inspector David Barclay travelled to 3045 Baseline Rd; Ottawa, Queensway Carleton Hospital on December 14th, 2017 to conduct an inspection of the storage and handling of the propane cylinders on site.

Consulted with Mr. Steven Black - Site Supervisor.
Conducted an inspection of the propane cylinders 12x100lb located in a fenced in area on the south/west side of the hospital with No Smoking signage and located approx. 20ft from the building and in an area without vehicular traffic. Inspection of the propane cylinders on the roof found two sets of cylinders 6x100lb and 4x100lb cylinders tied together with 3 fire extinguishers located near by. A fire had occurred on the week of Dec.4th, 2017, propane not involved. No deficiencies found.

Inspection Complete.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Internal use only.	**Customer Contact Number:**	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
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FS Inspection Report

Service Request #	**1674318**
Inspection Report #	**5855424**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **OCT 06, 2015** Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Follow up Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: QUEENSWAY CARLETON HOSPITAL

Task Notes

TSSA Inspector David Barclay travelled to 3045 Baseline Rd; Ottawa (Queensway Carleton Hospital) to conduct a follow up inspection of the propane storage tank on October 6th, 2015.

On site inspection to verify compliance with Order issued. This inspector has found the propane storage tank at this site repainted and the code infraction has been resolved.

Inspection Complete.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2009 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Gilles Lecuyer via: glecuyer@qch.on.ca	**Customer Contact Number:** (613) 721-2000 ext. 1320	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
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FS Inspection Report

Service Request #	**1674318**
Inspection Report #	**5628250**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date: **SEP 02, 2015**
	Facility Type:	Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Follow up Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: QUEENSWAY CARLETON HOSPITAL

Line	Reference and Order(s)	Compliance Date
731299-1	CAN/CSA-B149.2-10 Propane Storage and Handling Code. 7.1.4 Every steel tank shall be kept painted. The following Order is issued July 2nd, 2015. TSSA Inspection has determined Queensway Carleton Hospital does not comply with this code (propane storage tank is rusty). You are hereby Ordered to make the necessary correction before the compliance date.	OCT 02, 2015
731299-2	Technical Standards and Safety Act. 37 (1) - Offences Every person who, (a) contravenes or fails to comply with any provision of this Act, the regulations or a Minister's order; (b) knowingly makes a false statement or furnishes false information under this Act, the regulations or a Minister's order; (c) contravenes or fails to comply with a term or condition of an authorization; (d) contravenes or fails to comply with an order or requirement of a director or an inspector, or obstructs an inspector, is guilty of an offence and on conviction is liable to a fine of not more than $50,000 or to imprisonment for a term of not more than one year, or to both, or, if the person is a body corporate, to a fine of not more than $1,000,000. 2000, c. 16, s. 37 (1); 2009, c. 28, s. 14 (1). The following Order is issued Sept. 2nd, 2015. TSSA Inspection has determined this facility has failed to comply with sec. 37(1)(d) of the TSSAct. You are hereby Ordered to have the propane storage tank repainted by the compliance date issued.	OCT 02, 2015

Task Notes

TSSA Inspector David Barclay travelled to 3045 Baseline Rd; Ottawa (Queensway Carleton Hospital) on September 2nd, 2015 to conduct a follow up inspection of the propane storage tank.

On site inspection has found the Order issued July 2nd, 2015 to have the rusty propane storage tank painted was not complied with. A compliance date of October 2nd, 2015 has been issued.

Inspection complete.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2000 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Gilles Lecuyer via: glecuyer@qch.on.ca	**Customer Contact Number:** (613) 721-2000 ext. 1320	**Inspector Email:** dbarclay@tssa.org	**Inspector Fax:** 647-789-2129

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FS Inspection Report

Service Request #	**1674318**
Inspection Report #	**5628250**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **SEP 02, 2015** Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Follow up Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Pursuant to my Authority under Section 21 of the TSSAct, 2000, you are hereby Ordered to comply with the above Orders forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Gilles Lecuyer via: glecuyer@qch.on.ca	**Customer Contact Number:** (613) 721-2000 ext. 1320	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**1674318**
Inspection Report #	**5626209**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date: **JUL 02, 2015**
	Facility Type:	Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: QUEENSWAY CARLETON HOSPITAL

Line	Reference and Order(s)	Compliance Date
731299-1	CAN/CSA-B149.2-10 Propane Storage and Handling Code. 7.1.4 Every steel tank shall be kept painted. The following Order is issued July 2nd, 2015. TSSA Inspection has determined Queensway Carleton Hospital does not comply with this code (propane storage tank is rusty). You are hereby Ordered to make the necessary correction before the compliance date.	SEP 02, 2015

Task Notes

TSSA Inspector David Barclay travelled to 3045 Baseline Rd; Ottawa (Queensway Carleton Hospital) to conduct an inspection of the propane storage tank on June 12th, 2015.

On site inspection found propane storage tank does not comply with CAN/CSA B149.2-10 sec. 7.1.4. Propane tank is rusty and needs to be repainted.

This inspector consulted with Gilles Lecuyer advised of the requirement to keep the propane storage tank painted and of the compliance date to have this code infraction resolved September 2nd, 2015.

Inspection Complete.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2009 and according to TSSA billing policy.

Pursuant to my Authority under Section 21 of the TSSAct, 2009, you are hereby Ordered to comply with the above Orders forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Gilles Lecuyer via: glecuyer@qch.on.ca	**Customer Contact Number:** (613) 721-2000 ext. 1320	**Inspector Email:** dbarclay@tssa.org	**Inspector Fax:** 647-789-2129

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FS Inspection Report

Service Request #	**1674318**
Inspection Report #	**5626209**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **JUL 02, 2015** Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Gilles Lecuyer via: glecuyer@qch.on.ca	**Customer Contact Number:** (613) 721-2000 ext. 1320	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**877750**
Inspection Report #	**4055835**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **OCT 19, 2012** Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Variance Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Task Notes

Conducted inspection of the newly installed Propane Vaporizer/ Propane-Air Mixer at the Queensway Carleton Hospital, Ottawa
The system was manufactured by Algas SDI, Model # Vaporaire V100-8, Serial # 1105786
Contractor in charge of the installation: Modern Niagara, contractor registration # 007649942
Certificate holders:
- Steve Robertson for propane gas and propane/air mixture, G1 certificate # FS-C-2004-00745240
- Derek O'Neill for liquid propane, license # 0124050
- Charles William Eadie for boilers commissioning, certificate # FS-C-1995-0717056

400 psi pressure test tag affixed
Installation in compliance with B149.1 and B149.2. Propane-air mixture tank CRN14587.5. Components bear Canadian certification marks.
Set up done by the supplier technician. Boilers fired on propane/air mixture. Testing confirmed a proper operation as outlined in the commissioning report from Charles Eadie.
The propane tank 18025 USWG existing, previously registered with TSSA.

Labour Detail

Date	Activity	Hours	Comments
OCT 10, 2012	Travel	5	Travel Toronto-Ottawa
OCT 11, 2012	Inspection	1	On-site inspection
OCT 11, 2012	Travel	5	Travel Ottawa-Toronto
OCT 19, 2012	Review	1	Review and inspection report

Customer Signature & Position / Date:		**Inspector Name:** Drndarevic, Fedja	**Inspector Contact Number:** 416-734-3547
Report Received By:	**Customer Contact Number:**	**Inspector Email**: FDrndarevic@tssa.org	**Inspector Fax**:

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October 04, 2012

Mr. Jody Piette
Queensway Carleton Hospital
3045 Baseline Rd.
Ottawa, ON K2H 8P4

FS Variance
Service Request No: 877750

Variance Request from Clause 4.2.1 of the CSA B149.2-05 Code, O. Reg. 212/01, for 3045 Baseline Rd., Ottawa

Dear Mr. Piette:

Please be advised that your variance application dated September 10, 2012, for permission to allow permanent use of an unapproved Propane/Air Mixer, Manufactured by Algas SDI, Model # Vaporaire V100-8, Serial # 1105786, at the above address, has been approved.

This variance is allowed under the authority of subsection 36.(3)(c) of the *Technical Standards and Safety Act, 2000*, (the "Act") and subject to such conditions as may be specified herein, being that:

- The installation shall be inspected prior to being put into operation. Please contact our Field Approvals Engineer Mr. Fedja Drndarevic at (416) 734-3547, or by e-mail at fdrndarevic@tssa.org to arrange for the site inspection;
- Non-conformity with the conditions specified shall thereby cause the allowed variance to become null and void;
- The applicant accepts full responsibility for any and all damages resulting from the use of the thing to which the variance applies. The applicant further accepts full responsibility for any impacts to the health and safety of any person in consequence of the allowance of the variance or of non-conformity with the conditions specified. The Technical Standards and Safety Authority accepts no responsibility for any such damages or impacts;
- In the event of any claims against the Technical Standards and Safety Authority arising from allowance of the variance or non-conformity with the conditions specified, the applicant agrees to indemnify the Technical Standards and Safety Authority and agrees to hold it harmless from such claims and attendant costs;
- The variance process is subject to public access under the TSSA Access and Privacy Code (available upon request). The fact that a variance has been granted, and information about any public conditions, such as a requirement to post a sign, may be released on request. Subject to law and the TSSA Access and Privacy Code, proprietary information will not be subject to release;
- The applicant shall pay the fee associated with the review of the variance; and

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- A copy of the variance letter shall always be kept readily available and permanently legible in the vicinity of the appliance/equipment.

This variance only relates to the Act and regulations made thereunder and does not exempt you from compliance with other applicable regulatory requirements. The installation may be subject to an inspection to ensure compliance with the terms of the variance.

Should you have any questions or require further assistance, please contact Mr. Fedja Drndarevic at (416) 734-3547, or by e-mail at fdrndarevic@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

John R. Marshall
Director, Fuels Safety Program
Tel. 416-734-3424
Toll. 1-877-682-8772
Fax. 416-231-7525
jmarshall@tssa.org

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FS Inspection Report

Service Request #	**863214**
Inspection Report #	**4000096**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **SEP 04, 2012** Equipment Type:
Customer Name and Address: **MODERN NIAGARA OTTAWA INC** **85 DENZIL DOYLE CRT** **KANATA;ON** **CA K2M 2G8**	Task Type: FS-Insp Consult **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No Orders Issued.

Task Notes

TSSA Inspector Craig Wilson conducted an onsite consultation regarding the installation of propane vapourizers and a mixer located at 3045 Baseline Rd., the site of the Queensway Carleton Hospital on September 4th, 2012 as requested by Steve Robertson of Modern Niagara.

This Inspector discussed various code issues requirements as requested.

It is to be noted that at time of Inspection, the equipment in question was currently not yet in operation.

Inspection Complete.

Labour Detail

Date	Activity	Hours	Comments
AUG 23, 2012	Inspection	.5	Time To Set Up Service Request, Book Appt. With Steve Robertson Of Modern Niagara
SEP 04, 2012	Inspection	1	Inspection Time Onsite.

Other Charges Detail

Date	Activity	Qty	Comments
SEP 04, 2012	Travel	1	Travel - Flat Rate.

Customer Signature & Position / Date:		**Inspector Name:** Wilson, Craig	**Inspector Contact Number:**
Report Received By:	**Customer Contact Number:**	**Inspector Email**: cwilson@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**705032**
Inspection Report #	**3830340**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date: **MAY 24, 2012**
	Facility Type:	Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL >>** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Variance Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

PO Number: 106093

Task Notes

Arrived on site May 17, 2012 for Variance inspection of Seven Cleaver Brooks Boilers c/w individual Preferred Instruments [E Link JC 22D] draft control systems located at 3045 Baseline Rd. Nepean, ON.

Met on site with Steve Robertson, Modern Niagara Ottawa Inc. Charles Edie, John M. Schermerhorn Ltd. and Kevin Toll, Total HVAC.

Review of SR 705032 and proceeded with testing of E Link Draft Contorl Systems (JC 22D) for seven Cleaver Brooks Boilers.

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler FLX 700 500 160 HW; Serial BT 03914 2 1
7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .30 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler FLX 700 500 160 HW; Serial BT 03914 2 3

7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .30 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler FLX 700 500 160 HW; Serial BT 03914 2 2
7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .30 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Customer Signature & Position / Date:		**Inspector Name:** Janes, Anthony	**Inspector Contact Number:** 905-986-1251
Report Received By: Queensway Carleton Hospital / John Martin	**Customer Contact Number:** 613 721 4700	**Inspector Email:** AJanes@tssa.org	**Inspector Fax:** 905-986-1358

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FS Inspection Report

Service Request #	**705032**
Inspection Report #	**3830340**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date: **MAY 24, 2012**
	Facility Type:	Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL >>** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Variance Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler M5LWV 7500; Serial 03914 1 1
7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .50 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler M5LWV 7500; Serial 03914 1 2
7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .50 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler M5LWV 7500; Serial 03914 1 3
7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .50 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Proceeded with testing of operation of E Link Draft Control System (JC 22D) for Cleaver Brooks Boiler M5LWV 7500; Serial 03914 1 4
7) Proof of Closure (SSOV) OK
8) Open Damper Switch OK
9) Boiler Start Interlock OK
10) High Pressure (Stack) interlock (pos .50 "wc) OK
11) Excess (Negative) Draft interlock (neg .30 "wc) OK
12) Watchdog Timer OK

Testing of the operation of Seven Cleaver Brooks Boilers c/w individual Preferred Instruments [E Link JC 22D] draft control systems is complete and concluded to be satisfactory and in compliance with conditions as identified in Variance SR 705032.

Inspection Complete

A copy of the Variance Letter shall always be kept available and permanently legible in the vicinity of the appliance / equipment.

Customer Signature & Position / Date:		**Inspector Name:** Janes, Anthony	**Inspector Contact Number:** 905-986-1251
Report Received By: Queensway Carleton Hospital / John Martin	**Customer Contact Number:** 613 721 4700	**Inspector Email**: AJanes@tssa.org	**Inspector Fax**: 905-986-1358

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FS Inspection Report

Service Request #	**705032**
Inspection Report #	**3830340**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s):	Inspection Completion Date: **MAY 24, 2012**
	Facility Type:	Equipment Type:
Customer Name and Address: **QUEENSWAY CARLETON HOSPITAL >>** **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Task Type: FS-Variance Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Billing applied as per Technical Standards and Safety Act / 2000, Section 19 and TSSA billing policy.

Labour Detail

Date	Activity	Hours	Comments
MAY 16, 2012	Travel	4	Travel to Hotel Ottawa
MAY 17, 2012	Travel	.25	Travel to site from Hotel Ottawa
MAY 17, 2012	Inspection	7.5	Site Inspection
MAY 17, 2012	Travel	.25	Return Travel - Hotel Ottawa
MAY 18, 2012	Travel	2	Return Travel - Office
MAY 24, 2012	Inspection	1.5	Worked on Report / Processed Report "Complete"

Customer Signature & Position / Date:		**Inspector Name:** Janes, Anthony	**Inspector Contact Number:** 905-986-1251
Report Received By: Queensway Carleton Hospital / John Martin	**Customer Contact Number:** 613 721 4700	**Inspector Email**: AJanes@tssa.org	**Inspector Fax**: 905-986-1358

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May 10, 2012

Mr. John Martin
Queensway Carleton Hospital
3045 Baseline Road,
Nepean, ON K2H 8P4

Variance Application
Service Request No.: 705032

Variance Request from O. Reg. 212/01, Gaseous Fuels Regulation, Clause 4.2.1 of CSA-B149.1-05, "*Natural Gas and Propane Installation Code*" at the above address.

Dear Mr. Martin,

This is in response to your variance application to allow the addition of individual electronic draft control systems to seven boilers that are operating at this site. The individual draft controllers will be located in each of the seven vent connectors that connect the boilers to a common chimney.

You have submitted detailed electrical schematics and the information sheets for the Cleaver Brooks Flame Safeguards that you will be using. The FSG's are model CB780E, which include a Valve Proving System. The boilers do not use continuous pilots. The draft control dampers have an end switch to prove that the damper is full open both during the purge and prior to ignition. The damper switch is also interlocked in series with the boiler starting interlocks. The draft control dampers are quipped with both a Draft Sensor/High Breeching Pressure Cut-Out Switch and an Excessive Negative Draft Cut-Out Switch. Both of these cut-out switches are hard wired directly in series to their boiler's Flame Safe Guard system (not through the controller). In the case of a damper failing closed or failing open and exceeding either of the draft set points for longer than four seconds, the boiler will be shutdown, along with the fuel supply to the boilers.

Your application is approved.

This variance is allowed under the authority of subsection 36.(3)(c) of the *Technical Standards and Safety Act, 2000*, (the "Act") and subject to such conditions as may be specified herein, being that:

- The Boilers and their associated control and safety systems must be as described above and as shown in the submitted documents;
- This installation must be inspected prior to full operation. Please call Mr. Anthony Janes at (905) 986-1251 to arrange for the site inspection;
- Non-conformity with the conditions specified shall thereby cause the allowed variance to become null and void;
- The applicant accepts full responsibility for any and all damages resulting from the use of the thing to which the variance applies. The applicant further accepts full responsibility for any

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impacts to the health and safety of any person in consequence of the allowance of the variance or of non-conformity with the conditions specified. The Technical Standards and Safety Authority accepts no responsibility for any such damages or impacts;

- In the event of any claims against the Technical Standards and Safety Authority arising from allowance of the variance or non-conformity with the conditions specified, the applicant agrees to indemnify the Technical Standards and Safety Authority and agrees to hold it harmless from such claims and attendant costs;

- The variance process is subject to public access under the TSSA Access and Privacy Code (available upon request). The fact that a variance has been granted, and information about any public conditions, such as a requirement to post a sign, may be released on request. Subject to law and the TSSA Access and Privacy Code, proprietary information will not be subject to release;

- The applicant shall pay the fee associated with the review of the variance; and

- A copy of this variance letter shall always be kept readily available and permanently legible in the vicinity of the appliance/equipment.

Should you have any questions or require further assistance, please contact Richard Huggins at (416) 734-3345, or by e-mail at rhuggins@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Please note that this variance only relates to the Technical Standards and Safety Act and Regulations made there under and does not exempt you from compliance with other applicable jurisdictional requirements.

Yours truly,

John R. Marshall
Director - Fuels Safety

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TECHNICAL STANDARDS and SAFETY AUTHORITY
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3300 Bloor Street West
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Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**706712**
Inspection Report #	**3657193**

Inspection Address: **3045 BASELINE RD** **OTTAWA;ON** **CA K2H 8P4**	Reference Number(s): Facility Type:	Inspection Completion Date: **MAR 08, 2012** Equipment Type:
Customer Name and Address: **MODERN NIAGARA OTTAWA INC** **85 DENZIL DOYLE CRT** **KANATA;ON** **CA K2M 2G8**	Task Type: FS-Insp Consult **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No Orders Issued.

Task Notes

TSSA Inspector Craig Wilson conducted an onsite consultation at 3045 Baseline Rd., the site of the Queensway Carleton Hospital beginning on December 20th, 2011 ending on March 8th, 2012 as requested by Steve Robertson of Modern Niagara.

This Inspector discussed various existing code issues and variance requirements as requested.

It is to be noted that at time of Inspection, the equipment in question was currently not yet in operation.

Inspection Complete.

Labour Detail

Date	Activity	Hours	Comments
DEC 20, 2011	Consultation	2.5	Consultation Time With Steve Robertson Onsite.
JAN 03, 2012	Customer Inquiries	.5	Inquiry From Steve Robertson of MN Re: Tag Issue
JAN 23, 2012	Consultation	.25	Time To Speak With Contractor Re: Request To Attend Site.
FEB 14, 2012	Consultation	.5	Consultation On Code Clarification W/ Steve Robertson.
MAR 08, 2012	Consultation	2.25	Completion Of Onsite Consultation, Review File, Process Report And Deliver.

Other Charges Detail

Date	Activity	Qty	Comments
MAR 08, 2012	Travel	1	Travel - Flat Rate.

Customer Signature & Position / Date:		**Inspector Name:** Wilson, Craig	**Inspector Contact Number:**
Report Received By:	**Customer Contact Number:**	**Inspector Email**: cwilson@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

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FS Inspection Report

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Customer Name and Address: **MODERN NIAGARA OTTAWA INC** **85 DENZIL DOYLE CRT** **KANATA;ON** **CA K2M 2G8**	Task Type: FS-Insp Consult **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Customer Signature & Position / Date:		**Inspector Name:** Wilson, Craig	**Inspector Contact Number:**
Report Received By:	**Customer Contact Number:**	**Inspector Email**: cwilson@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
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www.tssa.org

Rush

July 8, 2010

J. Ross Keys, P. Eng.,
AltEng Inc.,
126 Holm Crescent,
Thornhill, ON L3T 5J3

FS Variance
Service Request No.: 418142

Request for variance from clause 7.10.2 of the B149.2-05 Code, O.Reg. 211/01 for Queensway Carleton Hospital, 3045 Baseline Rd., Nepean.

Dear Mr. Keys,

Please be advised that your rush variance application dated July 5, 2010, proposing to construct a concrete block wall to maintain the required clearance approved in Variance 410064 from an 18,025 USWG aboveground propane tanks for consumer application has been accepted with one modification. The modification is related to the wall height, that shall be increased as shown in the drawing No. P-101, File No. 10130D here attached.

This variance is allowed under the authority of subsection 36.(3)(c) of the *Technical Standards and Safety Act, 2000*, (the "Act") and subject to such conditions as may be specified herein, being that:

- The wall shall be constructed in accordance with drawing No. P-101, File No. 10130D, as modified, approval dated July 8, 2010, which requires the addition of 1,610 mm to the wall height. This will make the wall 3,460 mm high when looking from the tank side;

- The installation of wall and vehicle protection shall be inspected by Don Heyworth, TSSA Fuels Safety Inspector. To schedule an inspection please contact him at (905) 640-8501;

- Non-conformity with the conditions specified shall thereby cause the allowed variance to become null and void;

- The applicant accepts full responsibility for any and all damages resulting from the use of the thing to which the variance applies. The applicant further accepts full responsibility

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for any impacts to the health and safety of any person in consequence of the allowance of the variance or of non-conformity with the conditions specified. The Technical Standards and Safety Authority accepts no responsibility for any such damages or impacts;

- In the event of any claims against the Technical Standards and Safety Authority arising from allowance of the variance or non-conformity with the conditions specified, the applicant agrees to indemnify the Technical Standards and Safety Authority and agrees to hold it harmless from such claims and attendant costs;

- The variance process is subject to public access under the TSSA Access and Privacy Code (available upon request). The fact that a variance has been granted, and information about any public conditions, such as a requirement to post a sign, may be released on request. Subject to law and the TSSA Access and Privacy Code, proprietary information will not be subject to release;

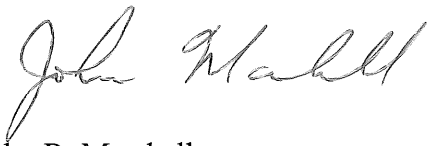
- The applicant shall pay the fee associated with the review of the variance;

- A copy of the variance letter shall always be kept readily available and permanently legible in the vicinity of the appliance/device.

This variance only relates to the Act and regulations made thereunder and does not exempt you from compliance with other applicable regulatory requirements. The installation may be subject to an inspection to ensure compliance with the term of the variance.

Should you have any questions or require further assistance, please contact Oscar Alonso at 416.734.3353, or by e-mail at oalonso@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,



John R. Marshall
Director, Fuels Safety Program
Tel. : (416) 734-3424
Fax : (416) 231-7525
Email : jmarshall@tssa.org

l/fsesb/fs eng jobs/3045 Baseline Rd., Nepean 2

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June 23, 2010

J. Ross Keys, P. Eng.,
AltEng Inc.,
126 Holm Crescent,
Thornhill, ON L3T 5J3

FS Variance
Service Request No.: 410064

Request for variance from clause 7.10.2 of the B149.2-05 Code, O.Reg. 211/01 for Queensway Carleton Hospital, 3045 Baseline Rd., Nepean.

Dear Mr. Keys,

Please be advised that your variance application dated June 14, 2010 to accept installation of an 18,025 USWG aboveground propane tanks for consumer application, has been approved.

This variance is allowed under the authority of subsection 36.(3)(c) of the *Technical Standards and Safety Act, 2000*, (the "Act") and subject to such conditions as may be specified herein, being that:

- The minimum distance to property lines and buildings shall be 50 feet;
- The handicap parking lot planned to be installed near the propane tank shall be designed such that no vehicle would be able to be parked closer than 30' from the tank. Vehicle protection, such as posts, New Jersey Turnpike barriers or equivalent must be installed;
- The installation shall be inspected by Don Heyworth, TSSA Fuels Safety Inspector. To schedule an inspection please contact him at (905) 640-8501;
- Non-conformity with the conditions specified shall thereby cause the allowed variance to become null and void;
- The applicant accepts full responsibility for any and all damages resulting from the use of the thing to which the variance applies. The applicant further accepts full responsibility for any impacts to the health and safety of any person in consequence of the allowance of the variance or of non-conformity with the conditions specified. The Technical Standards and Safety Authority accepts no responsibility for any such damages or impacts;

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- In the event of any claims against the Technical Standards and Safety Authority arising from allowance of the variance or non-conformity with the conditions specified, the applicant agrees to indemnify the Technical Standards and Safety Authority and agrees to hold it harmless from such claims and attendant costs;

- The variance process is subject to public access under the TSSA Access and Privacy Code (available upon request). The fact that a variance has been granted, and information about any public conditions, such as a requirement to post a sign, may be released on request. Subject to law and the TSSA Access and Privacy Code, proprietary information will not be subject to release;

- The applicant shall pay the fee associated with the review of the variance;

- A copy of the variance letter shall always be kept readily available and permanently legible in the vicinity of the appliance/device.

This variance only relates to the Act and regulations made thereunder and does not exempt you from compliance with other applicable regulatory requirements. The installation may be subject to an inspection to ensure compliance with the term of the variance.

Should you have any questions or require further assistance, please contact Oscar Alonso at 416.734.3353, or by e-mail at oalonso@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

John R. Marshall
Director, Fuels Safety Program
Tel. : (416) 734-3424
Fax : (416) 231-7525
Email : jmarshall@tssa.org

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Fuel Safety Inspection Report

Technical Standards and Safety Act, 2000

1 *Report Number:* **FS-2009-0004644**

2 *File Number:* **FS INS 2009-04643**

3 Location Address	4 License/Serial Number	5 Job Type	6 Inspection Date
3045 BASELINE RD. OTTAWA, ON -		**Inspection (FS)**	**Mar 18, 2009**

7 *Operation Type*: **Institutional**

8 *Client*
TRIANGLE PUMP SERVICE LIMITED
2565 DELZOTTO AVE
GLOUCESTER, ON K1T 3V6
CA

The Facility/Equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service. In the interim period the recipient must ensure that additional precautions are taken for safe use.

INSPECTION NOTE: March 17, 2009 Pressure testing of UST double wall piping, tank and transition sump pits. Tank has been backfilled to the top with small stone. Sump located at south west corner of excavated area has five exterior leaks between the sump and the piping exiting the sump. The main tank bushing is also leaking. Leaks could not be repaired at the time of inspection. Pressure testing failed.
March 18, 2009 Re inspection of pressure testing. All leaks at transition sump are repaired. One small bubble leak developed at tank sump from the union fitting. This leak was repaired and the testing completed and passed. Tank may be backfilled pending engineering approval of layout..

Inspection Activity - Time Allocation Detail

Date	Activity	Hours	Rate	Comments
Mar 17, 2009	Inspection-Billable	0.50	Straight	Preliminary report
Mar 17, 2009	Inspection-Billable	1.00	Straight	testing failed
Mar 17, 2009	Travel-Billable	1.50	Straight	travel to site
Mar 18, 2009	Inspection-Billable	1.50	Straight	Pressure testing passed.
Mar 18, 2009	Travel-Billable	1.00	Straight	travel to site
Mar 23, 2009	Inspection-Billable	1.00	Straight	complete report.

13 Total Time	14 Travel Time	15 Billable Hours	16 Additional Charges
6.5	**2.5**	**6.5**	

Voluntary Compliance Option* - Eligible? ☐ Yes ☒ No *Please, refer to guidelines

I hereby confirm that all the Inspector's orders, appearing on this inspection report have been completed.

Print Name Triangle pump *Client Signature* _____

Wayne Pilon *Inspector*

(613) 925-3598 *Inspector Fax Number*

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
An invoice will be issued for this activity.

Putting Public Safety First

(Note: This is not an invoice)

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Appendix G

Aerial Photo Summary

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Year	Source	Notes
1958	NAPL	The Site appears to consist of vacant undeveloped/agricultural land. The surrounding area appears to consist primarily of vacant undeveloped/agricultural land with associated residential dwellings north, south and west of the Site. It should be noted that the surrounding area south of the Site was only partially covered.
1960	NAPL	There are no significant changes to the Site and surrounding area, with the exception that a railway line oriented in an east-west direction is evident south of the Site.
1973	NAPL	There are no significant changes to the Site and surrounding area, with the exception of residential dwellings east of the Site.
1987	NAPL	The Site appears to consist of a building, similar in size and configuration to the original portion of Site Building A. There are no significant changes to the surrounding area, with the exception of commercial buildings and community land north of the Site and residential dwellings south of the Site.
1994	NAPL	There are no significant changes to the Site and surrounding area.
2007	Ottawa	There are no significant changes to the Site and surrounding area, with the exception that an addition is evident on the east portion of Site Building A.
2017	Ottawa	The Site appears to consist of two buildings, similar in size and configuration to the current Site Buildings. There are no significant changes to the surrounding area.
2024	Drape	There are no significant changes to the Site and surrounding area.

Ottawa – City of Ottawa
NAPL – National Air Photo Library
Drape – Digital Raster Acquisition Project Eastern

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Appendix H
Photographs

Docusign Envelope ID: 8AC94252-42B4-4BDF-8A40-FE965AA3E6DE

Photo 1 Partial view of the north portion of Site Building A, July 8, 2025.

Photo 2 Partial view of the south portion of Site Building A, July 8, 2025.

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Photo 3 Partial view of the east portion of Site Building A, July 8, 2025.

Photo 4 Partial view of the west portion of Site Building A, July 8, 2025.

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Photo 5 North portion of Site Building B, July 8, 2025.

Photo 6 South portion of Site Building B, July 8, 2025.

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Photo 7 Diesel UST located adjacent to the east of the generator room of Site Building B, July 8, 2025.

Photo 8 Diesel AST adjacent to the east of the generator room of Site Building B, July 8, 2025.

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Photo 9 General view of the diesel ASTs located within the emergency generator room of Site Building B, July 8, 2025.

Photo 10 General view of the liquid oxygen ASTs located adjacent to the north portion of Site Building A, July 8, 2025.

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Photo 11 General view of the office trailer located on the central portion of the Site, July 8, 2025.

Photo 12 General view of the steel-framed, fabric-covered, road salt and sand storage structure, located on the north portion of the Site, July 8, 2025.

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Photo 13 Property located north of the Site, July 8, 2025.

Photo 14 Property located south of the Site, July 8, 2025.

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Photo 15 Property located east of the Site, July 8, 2025.

Photo 16 Property located west of the Site, July 8, 2025.