Phase I Environmental Site Assessment

2946-2948 Baseline Road, Ottawa, Ontario

Client
6967230 Canada Incorporated
98 Lois Road, Gatineau, Quebec

Project Number
OTT-00210564-A0

Prepared By: Carl Hentschel, P.Eng.

Reviewed By: Mark McCalla, P. Geo.

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Date Submitted
January 17, 2013

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Final

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Executive Summary

Exp Services Inc. (**exp**) was retained by 6967230 Canada Incorporated to complete a Phase I Environmental Site Assessment (ESA) of the commercial property located at 2946-2948 Baseline Road, Ottawa, Ontario. The purpose of this Phase I ESA was to determine if past or present site activities have resulted in actual or potential contamination at the site. The intentions of this report are to provide due diligence for the owner of property and it is not intended for use in filing a Record of Site Condition (RSC).

The work was completed in accordance with the general requirements of CSA Standard Z768-01, November 2001, which outlines the protocol for Phase I Environmental Site Assessments. As per Z768-01, the scope of work included a review of historical land use and occupancy records, a visual reconnaissance of the subject site and surrounding properties; and interviews with person(s) having knowledge of past and present site activities.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase I ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

A written response from some of the regulatory agencies typically requires several months to receive. If upon receipt of the response from the regulatory agencies, significant environmental issues are identified, **exp** will forward their response to the client as an addendum to this report.

Based on the results of the Phase I ESA completed at 2946-2948 Baseline Road in Ottawa, **exp** has identified no areas of potential environmental concern due to on or off-site operations. No further environmental work is recommended at this time.

However, as a best management practice, based date of construction of the site building and the limited scope of the previous asbestos containing material sampling program, **exp** recommends that prior to any renovations or demolition, a Designated Substance Survey (DSS) of the building be completed as per section 10 of O.Reg. 278/05 (Ontario Health and Safety Act).

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

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1. Introduction

Exp Services Inc. (**exp**) was retained by 6967230 Canada Incorporated to complete a Phase I Environmental Site Assessment (ESA) of the commercial property located at 2946-2948 Baseline Road, Ottawa, Ontario, hereinafter referred to as the 'subject site'.

At the time of the investigation, the subject site was owned by the client and was improved with a two-storey, commercial structure. The owner contact information is provided below:

Company Address:	98, rue Lois Gatineau, Quebec Canada J8Y 3R7
Contact Name:	Mr. Michel Gagnon

1.1 Objective

The objective of this Phase I ESA was to identify potential sources of environmental concern to the subject property. At this stage, the report is not intended for use in filing a Record of Site Condition (RSC). **Exp** understands that this Phase I ESA may be used in support of a real estate transaction.

A Phase I ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. The Phase I ESA was completed in general accordance to CSA Standard Z768-01, November 2001. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Section 8 of this report.

1.2 Site Description

The subject site is located on the south side of Baseline Road at 2946 Baseline Road, Ottawa, as shown on Figure 1 in Appendix B. The subject site measures approximately 1.2 hectares. At the time of the investigation, the subject site was improved with a commercial/office building. The legal description of the subject site is *Part of Lot 35, Concession 3 (Rideau Front), as per Part 1 of Registered plan 4R1721*.

The subject has been developed since 1977 and was vacant land prior to this date. The inferred groundwater direction is north towards Graham Creek. A site plan is provided as Figure 2 in Appendix B.

2. Scope of Investigation

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

- Reviewing the historical occupancy of the subject site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the subject site and surrounding properties within a 250 metre radius of the site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the subject site;
- Conducting a site reconnaissance of the subject site and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated site representative(s) as a resource for current and historical site information, as well as to provide **exp** staff with unrestricted access to all areas of the subject site and site buildings;
- Reviewing the current use of the subject site and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the subject site; and,
- Preparing a report to document the findings.

In completing the scope of work, **exp** did not conduct any intrusive investigations, including sampling, analyses or monitoring of materials. In addition, general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

Exp personnel who conducted assessment work for this project included Carl Hentschel, P.Eng., and Mark McCalla, P. Geo.. An outline of their qualifications is provided in Appendix A.

3. Records Review

3.1 Phase I ESA Study Area Determination

Exp conducted a records review of available information in accordance with CSA Standard Z768/01 to establish the land use history of the subject site and the adjacent properties.

The subject site is located on the south side of Baseline Road at 2946-2498 Baseline Road in Ottawa, Ontario. A location plan is provided as Figure 1 in Appendix B. The subject site is zoned residential GM H18.5 (general mixed usage zone 5).

The Phase I ESA study area consisted of the neighbourhood extending a distance of 250 metres from the subject site. At the time of the site reconnaissance, land usage within 250 metres of the subject site primarily included residential, commercial, and light industrial.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, chain of title information, historical maps, and other records review, it appears the subject site was first developed in 1977 as a mixed commercial/office building. Prior to this date, the subject site was undeveloped, vacant land.

3.3 Fire Insurance Plans

The *Catalogue of Canadian Fire Insurance Plans 1875 – 1975* (Catalogue) was used to determine if fire insurance plans (FIPs) for the subject site exist. No FIP were historically produced for the immediate area.

3.4 Site Operating Records

No site operating records were provided to **exp** for review.

3.5 Environmental Reports

The following environmental reports that were completed on the subject site were made available for review:

Phase I Environmental Site Assessment, Commercial Property, 2946-2948 Baseline Road, Ottawa, Ontario, Paterson Group, December 1, 2010

This assessment found no Areas of Potential Environmental Concern (APECs) associated with the subject site or tenant operations. However, based on the age of the building, a designated substance survey was recommended prior to any renovation or demolition of the building. The construction yard adjacent to the east was identified, as well as a small sand pit to the south. This construction yard had been the subject of exploratory and remedial work by Paterson Group, which is discussed below.

Environmental Site Remediation Program, Industrial Property, 2940 Baseline Road, Ottawa, Ontario, Paterson Group, December 23, 2009

This report details Paterson's on-site subsurface investigation and subsequent remediation program. The investigation included the review of a previously completed Phase II ESA by Watters Environmental Group that included the advancement of eleven (11) boreholes, nine (9) of which that were equipped with groundwater monitoring wells, along with five (5) shallow test pits. Paterson then advanced eight (8)

subsequent test pits, and then oversaw the removal of approximately 4300 tonnes of petroleum impacted soil along with infrastructure for a former underground storage tank located east and south of the main site building. Two groundwater monitoring wells were installed in the excavation during backfilling.

Results of confirmatory soil sampling of the excavation walls and base and groundwater monitoring wells found no exceedance of the appropriate Ontario Ministry of the Environment soil and groundwater quality criteria for a commercial/industrial property in a potable groundwater condition. The more stringent potable groundwater criteria were applied as a potable water well was in use on the 2940 Baseline Road property at the time. **Exp** has compared these results to the 2011 updates standards and there were no exceedances found.

Based on these provided reports, the former construction yard (2940 Baseline Road) adjacent to the east of the subject site is not considered an APEC.

3.6 Regulatory Information Environmental Source Information

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions. **Exp** did not identify the need to contact any federal agencies.

The following agencies were contacted:

- The Ontario Ministry of the Environment (MOE) Freedom of Information, Protection of Privacy Office;
- The Technical Standards and Safety Authority (TSSA), Fuel Safety Branch, and;
- The Municipality of Ottawa.

A written response from some of the regulatory agencies typically requires several weeks to months. Copies of the requests are included in Appendix D. If upon receipt of the response from these regulatory agencies, significant environmental issues are identified, **exp** will forward their response to the client as an addendum to this report.

3.6.1 Ontario Ministry of the Environment Records

Records pertaining to the subject site were requested from the MOE through the *Freedom of Information and Protection of Privacy Act* (FOI). Documents received include the following information.

On January 4, 2013 the MOE Environmental Bill of Rights (EBR) registry website was searched for postings in the vicinity of the property. Search parameters included Ottawa. No postings of significant relevance for properties within 250 metres of the subject site were obtained.

On January 4, 2013 the MOE Brownfields Registry website was searched for postings of Records of Site Condition in Ottawa. No postings pertaining to properties within 250 metres of the subject site were observed.

Documents pertaining to MOE information, including the response to the MOE FOI request and the website outputs, are provided in Appendix D.

3.6.2 Technical Standards and Safety Authority

A request for information regarding the subject site was made to the Technical Standards and Safety Authority (TSSA). A copy of the documents provided by the TSSA is provided in Appendix D. The TSSA

reports that there are no outstanding instructions, incident reports, furnace oil spills, or contamination records for this site. TSSA does not have any record of fuel storage tanks on the subject site, but does note that it is a registered propane cylinder exchange facility (this refers to the BBQ tank sales by the Quickie Convenience store and is not a concern) .

3.6.3 Municipal Records

3.7.3.1 City Hall Records

The City of Ottawa websites were searched for information pertaining to the subject site. Based on the available information reviewed at this time, no APECs were identified.

3.7.3.2 City Directory Search

Exp reviewed city directories dated 1951, 1959, 1967, 1981, 1988, 2000 and 2006 at the national archives library in order to identify the occupancy history of the subject site and neighbouring properties for potential environmental concerns. The following table summarizes the directory search.

Table 3.1: City Directory Search

Address	Direction from Site	Year	Occupant	Concern (yes/no)
2946 Baseline Road	Subject Site	1982 - 2006	Various commercial, office, and medical tenants	No
Nearby Properties of Interest				
2940 Baseline Road	Adjacent to the east	1974 - 2006	Construction equipment rental	No (see section3.5)

No APECs were found during the city directory search.

3.7 Land Use Documents

A review of the following publications was carried out as part of this Phase I ESA:

- Waste Disposal Site Inventory (MOE, June 1991);
- Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario (Golder Associates, October 2004);
- Inventory of Coal Gasification Plant Waste Sites in Ontario (Intera, April 1987);
- Mapping and Assessment of Former Industrial Sites – City of Ottawa (Intera, July 1988); and,
- Ontario Ministry of the Environment; 1993; *Ontario Inventory of PCB Storage Sites.*

Waste Disposal Site Inventory - Ontario MOE (1991) – Active and Closed Landfills

There were no waste disposal sites identified in this document within 250 m of the subject site.

Old Landfill Management Strategy Phase 1 – Identification of Sites - Golder (2004)

There were no landfills identified in this document within 250 m of the subject site.

Inventory of Coal Gasification Plant Waste Sites in Ontario - Ontario MOE (1987)

There were no coal gasification plants identified in this document within 250 m of the subject site.

Mapping and Assess Former Industrial Sites – Intera (1988)

The scope of this document did not encompass the subject site or the immediate location.

Ontario Inventory of PCB Storage Sites - Ontario MOE (1993

No records pertaining to PCB storage sites were identified within 250 m of the subject site in this document.

3.8 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the subject site and properties within 250 metres of the subject site was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. **Exp** has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix C.

- The subject site is listed as the address of a generator of pharmaceutical and pathological waste, which is related to the tenant operations (pharmacy, medical clinic, and dental practice). This waste stream is not considered an APEC.
- The site was also listed as having been tenanted by Huber and Suhner in 2000 and 2001. This is an electronic component manufacturer. However, this entry was related to an office maintained by the company at the subject site and not a manufacturing plant, and therefore is no considered an APEC.
- The adjacent property to the east (2940 Baseline Road) was listed as a generator of various petroleum and automotive wastes between 1999 and 2012. This is addressed in section 3.5 above.

Based on the information reviewed, no APECs were identified.

3.9 Physical Setting Review

3.9.1 Aerial Photographs

The following table summarizes the development and land use history of the subject site and adjacent properties as depicted on the reviewed aerial photographs.

Table 3.2: Development and Land Use History Summary

Aerial Photograph (year)	Details
1951	The subject site is vacant and undeveloped. The surrounding area also appears to be vacant and undeveloped or having agricultural usage. Baseline Road is visible to the north and a railway track visible over 100m to the south of the subject site.
1968	The subject site remains vacant. The property adjacent to the east (2490 Baseline Road has been developed with what appears to be a construction yard.
1977	The subject site has been developed with a building and parking lot in the same configuration as the present day. Residential development has occurred to the north across Baseline Road, while the adjacent properties to the west and south remain vacant.
1984	The subject site remains unchanged. Residential development is now found to the west and north of the subject site.
1997	The subject site remains unchanged. Further residential development is found to the southwest.
2011	The subject site and surrounding areas appear to be developed in a similar fashion as 1997.

Based on the review of the aerial photography, no APECs were identified.

3.9.2 Geology, Hydrogeology and Topography

The following information sources were reviewed to determine the nature of the subsurface materials at the site:

1. *Generalized Bedrock Geology – Ottawa-Hull, Ontario-Quebec*: Geological Survey of Canada, Map 1508A. Scale 1:125,000, 1982;
2. *Surficial Geology – Ottawa, Ontario*: Geological Survey of Canada, Map 1507A. Scale 1:50,000. 1976;
3. *Ottawa Ontario, Quebec* - Department of Energy Mines and Resources, Surveys and Mapping Branch. *Map (31 G/5)*. *Scale 1:50,000*, 1976; and,
4. MOE Water Well Records.

Based on the above information, beneath any fill, the surficial geology of the subject site is characterised by clay and silt underlying erosional terraces. The bedrock geology underlying the subject site consists of limestone and dolomite of the Oxford Formation.

Topographically, the subject site is flat and surrounding land slopes toward the north.

3.9.3 Water Bodies and Areas

There are no water bodies on the subject site. Graham Creek is closest to the site and is situated 150 m to the north-east. The inferred groundwater flow direction is to the north-northeast.

3.10 Summary of Records Review

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

4. Interviews

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

During the completion of this Phase I ESA, the following individuals were interviewed:

1. Mr. Alain Grandmaison, manager of the subject site. Mr. Grandmaison was interviewed during the site visit on January 4, 2013.

During the interview process Mr. Grandmaison indicated that the subject site has been occupied by commercial and office tenants since its development and to his knowledge there have never been any environmental issues on the subject site.

5. Site Reconnaissance

5.1 General Requirements

On January 4, 2012, Carl Hentschel of **exp** conducted the site visit in accordance with **exp**'s internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the subject site.

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

Exterior observations of the subject property and surrounding properties were conducted. The exterior observations were recorded by walking over the grounds of the subject site. Adjoining properties were observed from within the grounds of the subject site.

Photographs were taken from the exterior and interior of the building. Photographs are included in Appendix F.

5.2 Visual Site Assessment

5.2.1 Site Description and Buildings

The subject site measured approximately 1.2 hectares. The site is improved with a two storey, slab-on-grade, flat roofed commercial and office building with a mix of pebble dash and red brick cladding. Teh interior of the building is finished with a mix of drywall and textured plaster, various flooring, and drop acoustic ceiling tiles. A site plan is provided as Figure 2 in Appendix B.

5.2.2 Heating and Cooling Systems

Four packaged, natural gas fired, HVAC units are located on the roof and service the building's various tenant spaces. The refrigerant used in these units was not known at the time of the site visit, but they regularly maintained by a licensed contractor.

5.2.3 Site Utilities and Services

The utilities and services identified at the subject site are summarized in the table below.

Table 5.2.3: Summary of Utilities

Utility	Source
Potable Water	Municipality
Natural Gas	Enbridge
Sanitary System	Municipality
Electricity	Hydro Ottawa

5.2.4 Site Use

The subject site was occupied by a two-storey, multi-tenant commercial building and associated parking. Tenants include two retail stores, a pharmacy, medical practice, dental practice, and office space.

5.2.5 Storage Tanks

5.2.5.1 Underground Storage Tanks

Exp did not observe any underground storage tanks (USTs) during the site reconnaissance. Furthermore, the historical review did not identify any former USTs at the Site.

5.2.5.2 Aboveground Storage Tanks

Exp did not observe any above ground storage tanks (ASTs) during the site reconnaissance. Furthermore, the historical review did not identify any former ASTs at the subject site.

5.2.6 Chemical Storage and Handling and Floor Condition

There was no evidence of large volumes of chemicals being stored or handled on the subject site. Chemicals in use are limited to janitorial cleansers and those used by the medical and dental practices operating in the building.

5.2.7 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of stained flooring were observed within the subject building. The exterior of the site building was heavily snow covered at the time of the site visit and therefore no observations of the ground surface were possible.

5.2.8 Fill, Debris and Methane

The subject site is at approximately the same elevation as the surrounding properties and as such substantial quantities of fill are not anticipated to be present at the subject site. However, the older parts of Ottawa commonly have low impacts of contaminants in the fill material.

Methane or radon gas-producing materials were not observed on the subject site.

5.2.9 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOE. According to the Environmental Protection Act (EPA), a Certificate of Approval (CofA) (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29th, 1988. Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a CofA was added to the EPA. Unless explicitly exempted, most industrial processes or modifications to industrial processes and equipment require a CofA. The EPA provides a list of specific equipment and conditions, which are exempt from CofA (Air) requirements (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

No air emissions concerns were identified at the time of the site visit.

5.2.10 Odours

No strong odours were detected during the site visit.

5.2.11 Noise

No excessive noise was detected at the subject site during the site visit.

5.2.12 Special Attention Items, Hazardous Building Materials and Designated Substances

5.2.13.1 Asbestos

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

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

Based on the age of the site building (constructed circa 1977), it was **exp**'s opinion that there is a potential for ACMs to be contained within the building in the form of insulation, roofing tars, cement, drywall filler compound, floor tiles and ceiling tiles.

A recent asbestos containing vinyl composite tile removal program was conducted in the main commercial unit prior to renovations. However a full designated substance survey has not been conducted for the site building. **Exp** did not conduct any sampling for asbestos during the site reconnaissance. Prior to any renovations or demolition, a Designated Substance Survey (DSS) of the entire building is recommended.

5.2.13.2 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Based on the age of the site building (constructed circa 1977), it was **exp**'s opinion that there was the potential for LBPs to be contained within the site building. The painted surfaces noted during **exp**'s site visit were observed to be in good condition. Prior to any renovations or demolition, a DSS is recommended.

5.2.13.3 Mercury

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

Based on the age of the site building (circa 1977), it was **exp**’s opinion that the presence of mercury-based paints, within the site building, was unlikely. The painted surfaces noted during **exp**’s site visit were observed to be in good condition.

No mercury thermostats were observed on the subject site at the time of the site visit, though a number of fluorescent light tubes are in use. These tubes should be disposed of at a licensed facility when they are no longer needed.

5.2.13.4 Polychlorinated Biphenyls

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

A review of the subject site was conducted to evaluate the potential presence of PCBs-containing equipment in use or stored at the subject site. No PCB-containing equipment was observed on the subject site.

5.2.13.5 Urea Formaldehyde Foam Insulation

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

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

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

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. Most installations occurred between 1977 and the further use of UFFI was banned in Canada in 1980.

No evidence of UFFI, such as nozzle injection holes, was observed during the site visit

5.2.13.6 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

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

Given the absence of a basement for the structure and geological formation underlying the site, **exp** concludes that radon is highly unlikely to pose a direct health concern.

5.2.13.7 Mould

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

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled “mould guidelines for the Canadian construction industry” and the Environmental Abatement Council of Ontario (EACO) guidelines titled “EACO Mould Abatement Guidelines, Edition 2 (2010)”.

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

No visible mould was observed by **exp** in the site building during the site visit. Mr. Grandmaison indicated that there has never been any mould issues in the site building.

5.2.13 Processing and Manufacturing Operations

No processing or manufacturing operations take place at the subject site.

5.2.14 Hazardous Materials Use and Storage

No hazardous materials are used or stored on the subject site.

5.2.15 Vehicle and Equipment Maintenance Areas

No vehicle or equipment maintenance areas are present on the subject site.

5.2.16 Drains and Sumps

A sump pit was observed in the main lobby of the site building, near the elevator room. This was examined and found to be dry with no visible or olfactory evidence of hydrocarbon impact.

Storm sewer drains were suspected to be located in the parking lots, but were not visible due to the snow cover.

5.2.17 Oil/Water Separators

No oil/water separators were observed on the subject site.

5.2.18 Sewage and Wastewater Disposal

The subject site is serviced by municipal sewers.

5.2.19 Solid Waste Generation, Storage & Disposal

Solid waste is generated on the subject site tenant's includes packing waste, general office waste, and medical waste. Waste disposal beyond general office waste is the responsibility of the individual tenants. None of these waste streams are considered an APEC.

5.2.20 Liquid Waste Generation, Storage & Disposal

No liquid waste is generated, stored, or disposed of on the subject site.

5.2.21 Hydraulic Lift Equipment

Mechanical equipment such as piston type elevators, vehicle in-ground hoists, loading docks and compactors are typically hydraulically operated. As such, these types of equipment contain hydraulic oils which are operated under high pressures and can be released into the environment from leaks or equipment failures.

A hydraulic elevator is located on the subject site. This was last maintained by a licensed contractor in December, 2012. The elevator room was not accessible at the time of the site visit, but the sump pit located adjacent was dry and showed no sign of petroleum impact.

5.2.22 Mechanical Equipment

No mechanical equipment was observed on the site.

5.2.23 Abandoned and Existing Wells

No apparent abandoned or existing wells were observed at the subject site during this Phase I ESA. However, the site was snow covered at the time of the site visit.

5.2.24 Roads, Parking Facilities and Right of Ways

The subject site has road access from Sandcastle Drive, which links to asphalt parking lots on the north and south portions of the property. No right-of-ways have been registered on the property.

5.3 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the subject site was conducted from publically accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the subject site. The results of the visual inspection are documented in Figure 2 Appendix B.

North: Baseline Road followed by residential properties.

East: Former construction equipment rental site (see section 3.5 above) followed by an office tower complex.

South: Residential properties.

West: Sandcastle Drive followed by residential properties

Based on the visual inspection and knowledge of neighbouring properties, no significant sources of potential off-site environmental concern were identified on the adjacent and surrounding properties.

5.4 Summary of Site Reconnaissance

Based on the site reconnaissance no APECs were identified.

Due to the date of construction of the site building, and the limited scope of the previous asbestos containing material sampling program, **exp** recommends that prior to any renovations or demolition, a Designated Substance Survey (DSS) of the building be completed as per section 10 of the Ontario Health and Safety Act, O.Reg. 278/05.

6. Findings and Recommendations

Based on the results of the Phase I ESA completed at 2946-2948 Baseline Road, Ottawa, Ontario, **exp** **exp** has identified no areas of potential environmental concern due to on or off-site operations. No further environmental work is recommended at this time.

However, as a best management practice, based date of construction of the site building and the limited scope of the previous asbestos containing material sampling program, **exp** recommends that prior to any renovations or demolition, a Designated Substance Survey (DSS) of the building be completed as per section 10 of the Ontario Health and Safety Act, O.Reg. 278/05.

7. References

1. Canadian Standards Association; November 2001; *Z768-0 Phase I Environmental Site Assessment*.
2. Dubreuil, L. and C. Woods; 2002; *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975.*
3. Department of Energy Mines and Resources, Surveys and Mapping Branch; 1976; *Ottawa Map 31 G/5, Scale 1:50,000*.
4. Geological Survey of Canada; 1982; *Generalized Bedrock Geology* – Ottawa-Hull, Ontario-Quebec: Map 1508A. Scale 1:125,000.
5. Geological Survey of Canada; 1976; *Surficial Geology – Ottawa, Ontario: Map 1507A. Scale 1:50,000.*
6. Golder Associates Inc.; October 2004; *Old Landfill Management Strategy, City of Ottawa*.
7. Intera Technologies Ltd.; July 1998; *Mapping and Assessment of Former Industrial Sites, City of Ottawa*.
8. Ministry of Labour (MOL); *Occupational Health and Safety Act*.
9. Ontario Ministry of the Environment, *Environmental Registry website (www.ene.gov.on.ca/envision/env_reg/ebr/english/index.htm)*
10. Ontario Ministry of the Environment; 1993 - 2003-2004; *Ontario Inventory of PCB Storage Sites.*
11. Ontario Ministry of the Environment, *Brownfields Registry website* (www.ene.gov.on.ca/environet/BESR/index.htm)
12. Ontario Ministry of the Environment; *Hazardous Waste Information Network website* (www.hwin.ca).
13. Ontario Ministry of the Environment; November 1988; *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario.*
14. Ontario Ministry of the Environment, Waste Management Branch; June 1991; *Waste Disposal Site Inventory.*
15. Ontario Ministry of the Environment and Intera Technologies Ltd.; June 1991; *Inventory of Coal Gasification Plant Waste Sites in Ontario*.
16. Ontario Ministry of Natural Resources, Natural Heritage website (www.mnr.gov.on.ca/MNR/nhic/areas.cfm)
17. Paterson Group; December 1, 2010, *Phase I Environmental Site Assessment, Commercial Property, 2946-2948 Baseline Road, Ottawa, Ontario*.
18. Paterson Group; December 23, 2009, *Environmental Site Remediation Program, Industrial Property, 2940 Baseline Road, Ottawa, Ontario*.
19. Technical Standards and Safety Authority; May 2007; *Environmental Management Protocol for Fuel Handling Sites in Ontario*.

8. Limitation of Liability, Scope of Report, and Third Party Reliance

This report has been prepared and the work referred to in this report has been undertaken by **exp** Services Inc. (**exp**) for 6967230 Canada Incorporated. It is intended for the sole and exclusive use of 6967230 Canada Incorporated. Any use, reliance on or decision made by any person other than 6967230 Canada Incorporated based on this report is the sole responsibility of such other person. 6967230 Canada Incorporated and **exp** make no representation or warranty to any other person with regard to this report and the work referred to in this report and they accept no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties, or other harm that may be suffered or incurred by any other person as a result of the use of, reliance on, any decision made or any action taken based on this report or the work referred to in this report.

The investigation undertaken by **exp** with respect to this report and any conclusions or recommendations made in this report reflect **exp**'s judgement based on the site conditions observed at the time of the site inspection on the date(s) set out in this report and on information available at the time of preparation of this report. This report has been prepared for specific application to this site and it is based, in part, upon visual observation of the site, subsurface investigation at discrete locations and depths, and specific analysis of specific chemical parameters and materials during a specific time interval, all as described in this report. Unless otherwise stated, the findings cannot be extended to previous or future site conditions, portions of the site which were unavailable for direct investigation, subsurface locations which were not investigated directly, or chemical parameters, materials or analysis which were not addressed. Substances other than those addressed by the investigation described in this report may exist within the site, substances addressed by the investigation may exist in areas of the site not investigated and concentrations of substances addressed which are different than those reported may exist in areas other than the locations from which the samples were taken.

If site conditions or applicable standards change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

Other than by 6967230 Canada Incorporated, copying or distribution of this report or the use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of **exp**. Nothing in this report is intended to constitute or provide a legal opinion.

Appendices

Appendix A:
Qualifications of Assessors

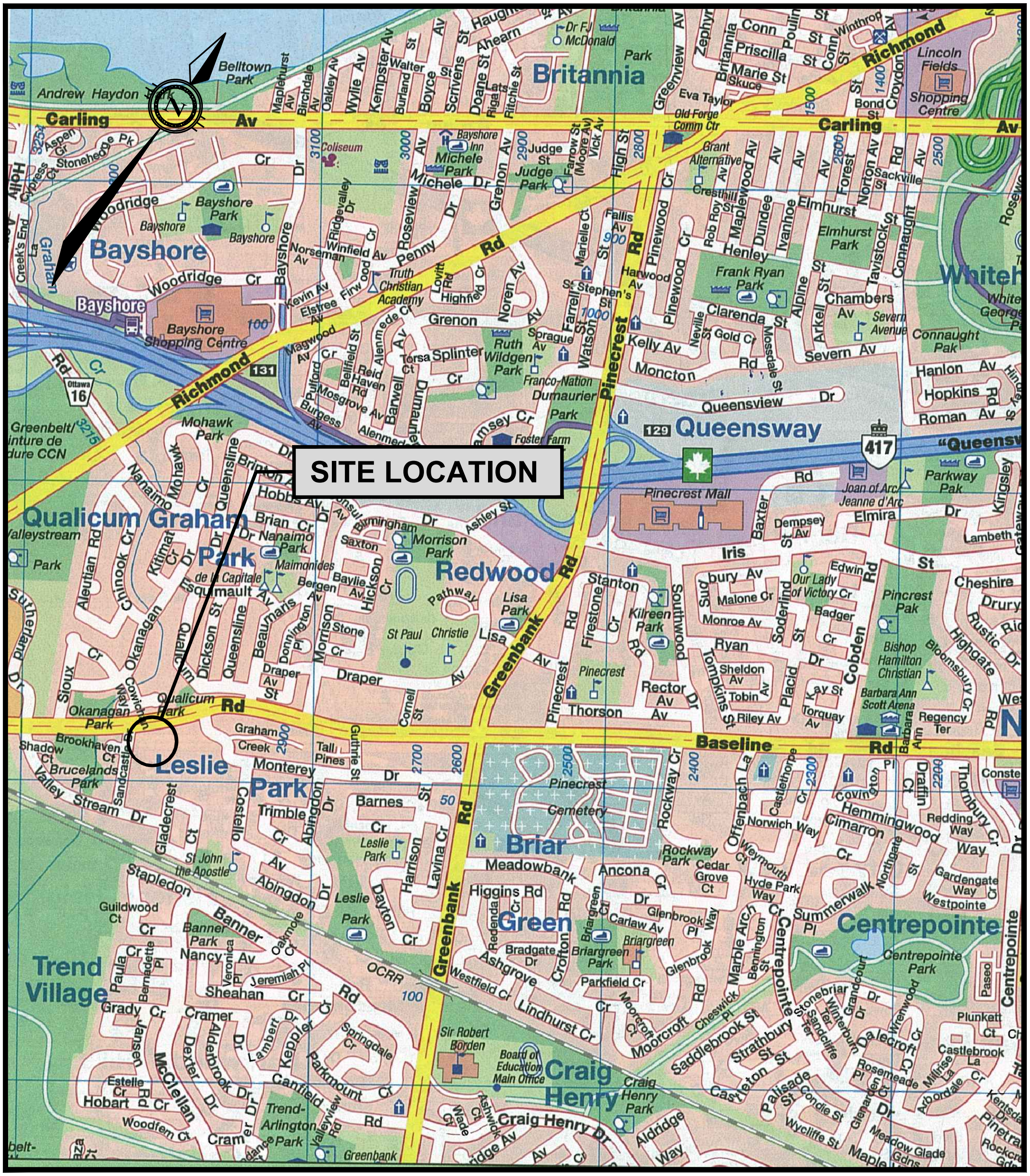
Qualifications of Assessors

Exp provides a full range of environmental services through a full-time Environmental Services Group. **Exp**'s Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the **exp** organization.

Carl Hentschel, B.Eng., P. Eng., is an Environmental Engineer with **exp** who has over twelve years of experience. He has been responsible for conducting, organizing and compiling technical reports for Phase I and II Site Assessments, environmental site remediation, Designated Materials and Hazardous Substance Surveys, Environmental Emergency Response Plans, Indoor Air Quality Assessments, and other environmental investigations for residential, commercial, and industrial properties.

Mark McCalla is a Senior Environmental Scientist with **exp**. His technical undertakings have included work in the following fields: Phase I and II Environmental Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition.

Appendix B: Figures



0 200m 400m 800m

HORIZONTAL 1:20,000

exp

exp Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

scale 1:20,000	CLIENT: 6967230 CANADA INC.	project no. OTT-00210564-A0
date JAN 2012	TITLE: PHASE I ESA - SITE LOCATION PLAN 2946-2948 BASELINE ROAD, OTTAWA, ONTARIO	FIG 1
drawn by P.G.		

exp Services Inc. www.exp.com
t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

CLIENT: 6967230 CANADA INC.

TITLE: PHASE 1 ESA - SITE PLAN
2946-2948 BASELINE ROAD, OTTAWA, ONTARIO

scale	1:2500
date	JANUARY 2012
drawn by	P.GHAFFARI
project no.	OTT-00210564-A0

FIG 2

Appendix C:
EcoLog ERIS Report

Canada's Primary Environmental Risk Information Service

Project Site:	**Phase I ESA** **2946 Baseline Road** **Ottawa, ON K2H 8T5**
Client:	**Kathy Radisch** **exp Services Inc.** **100-2650 Queensview Drive** **Ottawa, ON K2B8H6**
ERIS Project No:	**20121220027**
Report Type:	**Custom Report - .25km Search Radius**
Prepared By:	**Elizabeth Dokurno** edokurno@eris.ca
Date:	**January 04, 2013**

Table of Contents

Order Number: 20121220027
Site Name: Phase I ESA
Site Address: 2946 Baseline Road Ottawa, ON K2H 8T5
Report Type: Custom Report, 0.25 km Search Radius

Report Summary

Order Number: 20121220027
Site Name: Phase I ESA
Site Address: 2946 Baseline Road Ottawa, ON K2H 8T5
Report Type: Custom Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

Database		Selected	On-site	Within 0.25	0.25km to 2.00km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0	0
AGR	Aggregate Inventory	Y	0	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0	0
BORE	Borehole	Y	1	7	0	7
CA	Certificates of Approval	Y	0	1	0	1
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0	0
CHEM	Chemical Register	Y	0	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0	0
CONV	Compliance and Convictions	Y	0	0	0	0
CPU	Certificates of Property Use	Y	0	0	0	0
DRL	Drill Hole Database	Y	0	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0	0
EBR	Environmental Registry	Y	0	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0	0
EHS	ERIS Historical Searches	Y	0	5	0	5
EIIS	Environmental Issues Information System	Y	0	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0	0
FCON	Federal Convictions	Y	0	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0	0
FST	Fuel Storage Tank	Y	0	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	9	28	0	28
HINC	TSSA Historic Incidents	Y	0	1	0	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0	0
INC	TSSA Incidents	Y	0	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	Y	0	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0	0
NPCB	National PCB Inventory	Y	0	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0	0

Report Summary

Order Number: 20121220027
Site Name: Phase I ESA
Site Address: 2946 Baseline Road Ottawa, ON K2H 8T5
Report Type: Custom Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 2.00km	Total
ORD	Orders	Y	0	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0	0
PES	Pesticide Register	Y	0	2	0	2
PINC	TSSA Pipeline Incidents	Y	0	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0	0
PTTW	Permit to Take Water	Y	0	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0	0
RSC	Record of Site Condition	Y	0	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	1	0	1
SPL	Ontario Spills	Y	0	4	0	4
SRDS	Wastewater Discharger Registration Database	Y	0	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS	Water Well Information System	Y	1	28	0	28
		TOTAL	11	77	0	77

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.

SITE DIAGRAM

ECOLOG ERIS
Pinpointing Your Environmental Risks
80 Valleybrook Dr, Toronto, ON M3B 2S9
416-510-5204

Project Property: Phase I ESA
2946 Baseline Road
Ottawa, ON
K2H 8T5

ERIS Project #: 20121220027

Date: JAN-04-2013

LEGEND

- Project Property
- Database Location

Points of Interest
- Chimney
- Silo

Pipe & Transmission Lines
- Pipeline
- Transmission Line
- Transmission Tower
- Transformer Station

Rail
- Railway - Main
- Railway - Sidetrack
- Railway - Abandoned
- Bridge
- Tunnel

Transportation - Other
- Embankment
- Trail
- Runway

Hydrographic Features
- Permanent Waterway
- Intermittent Waterway
- Open Reservoir
- Dyke/Levee
- Dam
- Breakwall
- Wetland

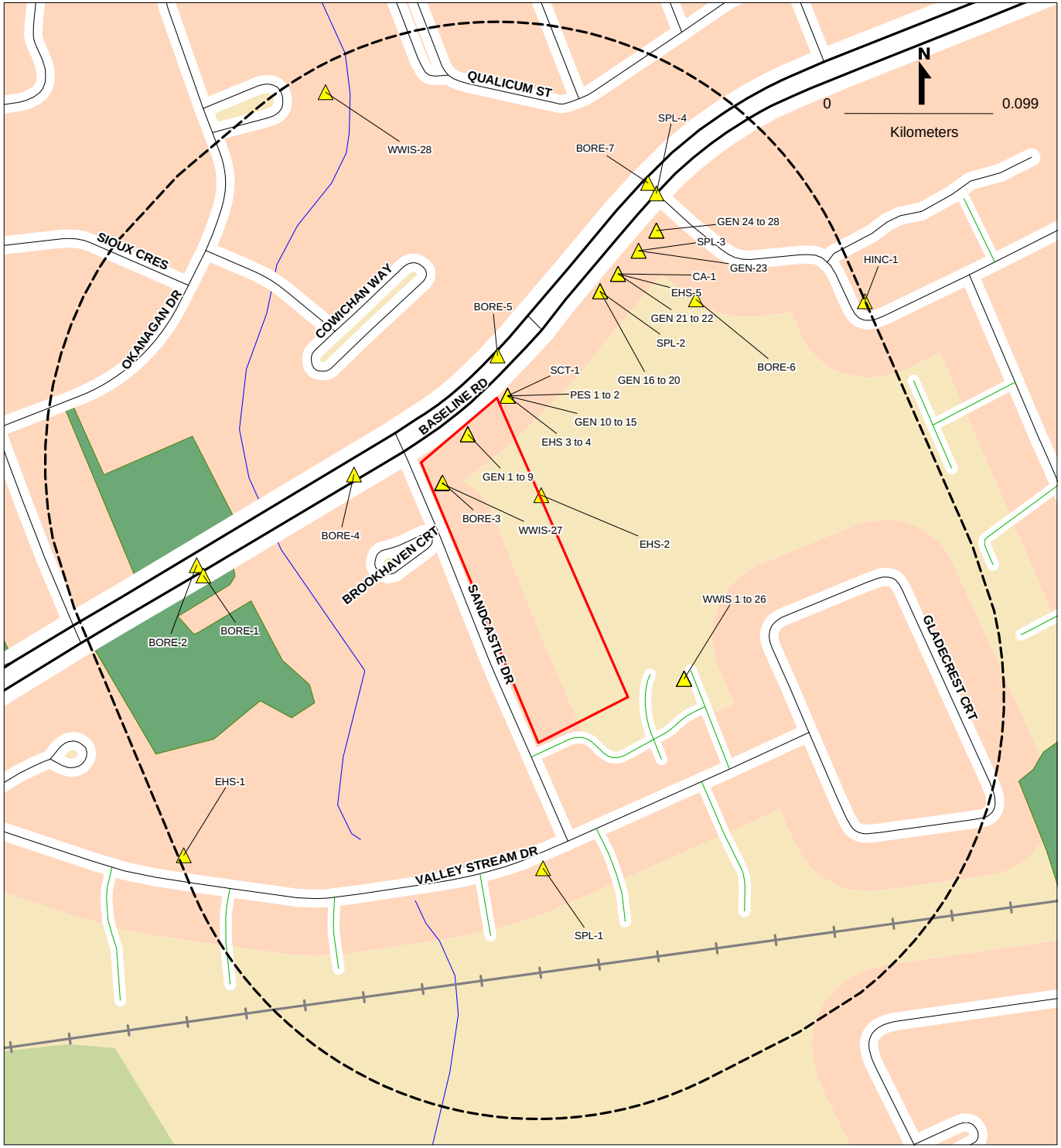
Landuse Classifications
- Open Area
- Residential
- Commercial
- Resource and Industrial
- Government and Institutional
- Parks and Recreational
- Waterbody

Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

Vegetation
- Wooded Area
- Orchard
- Vineyard

Industrial Resources
- Conveyor
- Crane: Moveable
- Crane: Stationary
- Tank
- Rock Cut
- Auto Wrecker
- Lumber Yard
- Pit

This diagram is to be used solely for relative street location purposes.
It may not accurately portray street or site positions.



Site Report

Order Number: 20121220027
Site Name: Phase I ESA
Site Address: 2946 Baseline Road Ottawa, ON K2H 8T5
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Ontario Regulation 347 Waste Generators Summary

Map Key	Company Name	Address	City	Postal Code
GEN-1	HUBER & SUHNER CANADA	2948 BASELINE ROAD	NEPEAN	K2H 8T5
GEN-2	Appletree Corporate Services Inc.	2948 Baseline Road	Ottawa	
GEN-3	HMA Pharmacy Limited	2948 Baseline Road	Ottawa	
GEN-4	HMA Pharmacy Limited	2948 Baseline Road	Ottawa	K2H8T5
GEN-5	Appletree Corporate Services Inc.	2948 Baseline Road	Ottawa	K2H 8T5
GEN-6	HUBER & SUHNER CANADA	2948 BASELINE ROAD	NEPEAN	K2H 8T5
GEN-7	Appletree Corporate Services Inc.	2948 Baseline Road	Ottawa	
GEN-8	HUBER & SUHNER CANADA	2948 BASELINE ROAD	NEPEAN	K2H 8T5
GEN-9	HMA Pharmacy Limited	2948 Baseline Road	Ottawa	K2H8T5

Water Well Information System

Map Key	Company Name	Address	City	Postal Code
WWIS-27				
		lot 35 con 3		

Borehole

Map Key	Company Name	Address	City	Postal Code
BORE-3				

Detail Report

Order Number: 20121220027
Site Name: Phase I ESA
Site Address: 2946 Baseline Road Ottawa ON K2H 8T5
Report Type: Custom Report, 0.25 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Borehole

Certificates of Approval

ERIS Historical Searches

Ontario Regulation 347 Waste Generators Summary

TSSA Historic Incidents

Pesticide Register

Scott's Manufacturing Directory

Ontario Spills

Water Well Information System

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-1			610762	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 437151.000
Northing: 5020462.000
Location Accuracy:
Orig. Ground Elevation(m): 78
Elev. Reliability Note:
DEM Ground Elevation(m): 78.400002
Total Depth(m): 12.200000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: 1972-DEC
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218386419	0	0.900000	ARTIFICIAL,SAND, GRAVEL,SILT. BROWN,GREY,COMPACT.
218386420	0.900000	2.700000	CLAY,SILT. BROWN,VERY STIFF,WEATHERED.
218386421	2.700000	12.200000	CLAY,SILT,SAND. GREY,BROWN,FIRM,STIFF. 00090 040 00030014000900020005 5 038 00100 010

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-2			800055	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Boring
UTM Zone: 18
Easting: 437146.626
Northing: 5020468.889
Location Accuracy:
Orig. Ground Elevation(m): 78.300003
Elev. Reliability Note:
DEM Ground Elevation(m): 78.199997
Total Depth(m): 12.200000
Primary Name: BH 18
Township:
Concession:
Lot:
Municipality
Completion Date: 1972-DEC-18
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218563361	0	0.900000	Brown to Grey Compact Fill-Misc Sand - Gravel With: Si
218563362	0.900000	2.700000	Brown Very Stiff Weathered Crust Silty Clay
218563363	2.700000	12.200000	Brown to Grey Firm to Stiff Silty Clay With: F Sa firm to stiff brown (becoming grey below 14ft depth) SILTY CLAY some 1/4in layers of fine sand below 25ft depth

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-3			610764	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 437311.000
Northing: 5020522.000
Location Accuracy:
Orig. Ground Elevation(m): 89.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 77.599998
Total Depth(m): 32
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: 1961-AUG
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218386431	0	0.900000	SOIL. BROWN.
218386432	0.900000	9.100000	CLAY. BROWN.
218386433	9.100000	12.200000	CLAY. BLUE.
218386434	12.200000	30.500000	SLATE. BLACK.
218386435	30.500000	32	SANDSTONE. BROWN. 00105STIFF. CLAY,SILT,SAND. BROWN,GREY,SOFT TO STIFF. UNSPECIFIED,TILL. VE

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-4			800052	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Boring
UTM Zone: 18
Easting: 437252.088
Northing: 5020527.918
Location Accuracy:
Orig. Ground Elevation(m): 78
Elev. Reliability Note:
DEM Ground Elevation(m): 77.300003
Total Depth(m): 12.200000
Primary Name: BH 17
Township:
Concession:
Lot:
Municipality
Completion Date: 1972-DEC-15
Static Water Level: 1.800000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218563349	0	0.900000	Brown to Grey Compact Fill-Misc Sand - Gravel With: Si
218563350	0.900000	2.700000	Brown Very Stiff Weathered Crust Silty Clay
218563351	2.700000	12.200000	Brown Firm to Stiff Silty Clay firm to stiff brown SILTY CLAY, becoming grey silty clay with some 1/4in layers of fine sand below 14ft

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-5			800050	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Boring
UTM Zone: 18
Easting: 437348.408
Northing: 5020606.115
Location Accuracy:
Orig. Ground Elevation(m): 77.099998
Elev. Reliability Note:
DEM Ground Elevation(m): 75.599998
Total Depth(m): 11.300000
Primary Name: BH 16
Township:
Concession:
Lot:
Municipality
Completion Date: 1972-DEC-14
Static Water Level: 1.800000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218563342	0.500000	3	Brown Very Stiff Weathered Crust Silty Clay
218563343	3	7.300000	Grey Firm Silty Clay Trace: F Sa trace fine sand below 15ft
218563344	7.300000	11.300000	Grey Stiff Silty Clay With: F Sa
218563341	0	0.500000	Grey Fill-Misc Sand - Gravel With: Si

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-6			610767	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 437481.000
Northing: 5020642.000
Location Accuracy:
Orig. Ground Elevation(m): 75.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 76.599998
Total Depth(m): 10.700000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: 1972-DEC
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218386445	0	1.300000	ARTIFICIAL,SAND MEDIUM TO COARSE, SILT,GRAVEL. BROWN,GREY.
218386446	1.300000	3.700000	CLAY,SILT. BROWN,VERY STIFF,WEATHERED.
218386447	3.700000	10.700000	CLAY,SILT,SAND. GREY,FIRM,STIFF. 00042 038 0004202100120002 TO FINE. DENSE. UNSPECIFIED,T

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-7			800046	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Boring
UTM Zone: 18
Easting: 437449.981
Northing: 5020719.710
Location Accuracy:
Orig. Ground Elevation(m): 75.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 70.900002
Total Depth(m): 10.700000
Primary Name: BH 15
Township:
Concession:
Lot:
Municipality
Completion Date: 1972-DEC-1
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218563321	0	0.100000	Asphalt
218563322	0.100000	1.300000	Brown to Grey Fill-Misc Sand With: Si W Gr
218563323	1.300000	3.700000	Brown Very Stiff Weathered Crust Silty Clay With: Sa
218563324	3.700000	10.700000	Grey Firm to Stiff Silty Clay Trace: F Sa some 1/4in layers of fine sand below 20ft

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	Primus Telecommunications Canada Inc.	2934 Baseline Road Building B Ottawa	4303-7BRN5W	2008	2/14/2008	Air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	RON ENGINEERING & CONSTRUCTION LTD.	BASELINE RD. OTTAWA CITY	8-4052-87-	87	6/19/1987	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:		FUMEHOOD			
			Contaminants:					
			Emission Control:					
n/a	BELL-NORTHERN RESEARCH LIMITED	BASELINE ROAD NEPEAN CITY	8-4088-88-	88	8/17/1989	Industrial air	Underwent 1st revision in 1989	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:		FUME HOOD			
			Contaminants:					
			Emission Control:		No Controls			
n/a	R.M. OF OTTAWA-CARLETON	BASELINE ROAD EXTENSION (SWM) OTTAWA CITY	3-0701-96-	96	9/4/1996	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	MINTO CONSTRUCTION LTD.	GLADECREST CT. NEPEAN CITY	7-0062-85-006	85	2/12/85	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	Longfields	Lot 18, Concession 2 Nepean	2648-4PTJL6	00	10/5/00	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name:	Claridge Homes Corporation				
			Client Address:	210 Gladstone Avenue				
			Client City:	Ottawa				
			Client Postal Code:					
			Project Description:	sanitary sewer construction on Claridge Drive and Street No. 1				
			Contaminants:					
			Emission Control:					
n/a	Claridge Point West	Part of Lot 18, Concession 2, Rideau Front Ottawa	3590-57WTBK	02	3/8/02	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name:	Claridge Homes Corporation				
			Client Address:	210 Gladstone Avenue				
			Client City:	Ottawa				
			Client Postal Code:					
			Project Description:	Construction Storm & Sanitary Sewers				
			Contaminants:					
			Emission Control:					
n/a	Longfields	Lot 18, Concession 2 Nepean	2083-4PTJT6	00	10/5/00	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Claridge Homes Corporation				
			Client Address:	210 Gladstone Avenue				
			Client City:	Ottawa				
			Client Postal Code:					
			Project Description:	watermains to be constructed on Claridge Drive				
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	Claridge Point West	Part of Lot 18, Concession 2, Rideau Front Ottawa	6961-57WT5M	02	3/8/02	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Claridge Homes Corporation				
			Client Address:	210 Gladstone Avenue				
			Client City:	Ottawa				
			Client Postal Code:					
			Project Description:	Construction of Watermains				
			Contaminants:					
			Emission Control:					
n/a		Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site Ottawa	2570-4XMJSR	01	6/19/01	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name:	Corporation of the City of Ottawa				
			Client Address:	101 Centrepointe Drive				
			Client City:	Ottawa				
			Client Postal Code:	K2G 5K7				
			Project Description:	Construction of sanitary and storm sewers on Clenning Street and Letourneau Street.				
			Contaminants:					
			Emission Control:					
n/a		Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site Ottawa	5544-4XMK2C	01	6/19/01	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Corporation of the City of Ottawa				
			Client Address:	101 Centrepointe Drive				
			Client City:	Ottawa				
			Client Postal Code:	K2G 5K7				
			Project Description:	Construction of watermains on Clenning Street and Letourneau Street				
			Contaminants:					
			Emission Control:					
n/a		Lot 17, Concession 2, Jock River Farms - Phase 2 Ottawa	8761-4XXKV9	01	7/5/01	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name:	Jock River Farms Limited				
			Client Address:	331 Cooper Street, Suite 300				
			Client City:	Ottawa				
			Client Postal Code:	K2P 0G5				
			Project Description:	Cnstruction of sanitary and storm sewers on Berrigan Drive, Clardige Drive, Totteridge Avenue, Street No. 11, Elwood Park Drive, Gospel Oak Drive, Fairlop Way, Wanstead Drive, Golder's Green, Upminister Way, Plumas Gate, Trafford Drive, Longfields Drive, Oakwell Drive and Stockwell Road.			
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a		Lot 17, Concession 2, Jock River Farms - Phase 2 Ottawa	8123-4XXQHB	01	7/5/01	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Jock River Farms Limited				
			Client Address:	331 Cooper Street, Suite 300				
			Client City:	Ottawa				
			Client Postal Code:	K2P 0G5				
			Project Description:	Construction of watermains on Berrigan Drive, Clardige Drive, Totteridge Avenue, Street No. 11, Elwood Park Drive, Gospel Oak Drive, Fairlop Way, Wanstead Drive, Palmadeo Drive, Golder's Green, Upminister Way, Plumas Gate, Trafford Drive, Villa Park Drive, Longfields Drive, Oakwell Drive, Stockwell Road, and Villa Park Drive.			
			Contaminants:					
			Emission Control:					
n/a	The Corporation of the City of Ottawa	Lot 18, Conc. 2 (Rideau Front) Ottawa	1336-8BVR72	2010	12/15/2010	Municipal and Private Sewage Works	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		91 Valley Stream Drive Ottawa, ON	20111107057	11/14/2011	Custom Report	0.25
			Addit. Info Ordered:			
EHS-2		2946-2948 Baseline Road Ottawa	20101115021	11/23/2010	Standard Report	0.25
			Addit. Info Ordered:			
EHS-3		2940 Baseline Road Ottawa	20090710020	7/21/2009	Standard Report	0.25
			Addit. Info Ordered:	Fire Insur. Maps and/or Sire Plans		
EHS-4		2940 Baseline Rd Nepean K2H 7T3	20000214001	2/16/00	Complete Report	0.25
			Addit. Info Ordered:			
EHS-5		2934 Baseline Rd Ottawa K2H 1B2	20060109008	1/10/2006	Site Report	0.25
			Addit. Info Ordered:	Aerials Photos; Topographical Maps		
n/a		Baseline Rd Ottawa	20051017031	10/18/2005	Site Report	0.25
			Addit. Info Ordered:			

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	HUBER & SUHNER CANADA	2948 BASELINE ROAD NEPEAN K2H 8T5	3361	ELECT. COMP. & PERI.	148	INORGANIC LABORATORY CHEMICALS
			Generator #:	ON2494101	232	POLYMERIC RESINS
			Approval Yrs:	00,01	263	ORGANIC LABORATORY CHEMICALS
GEN-2	Appletree Corporate Services Inc.	2948 Baseline Road Ottawa	622111	General (except Paediatric) Hospitals	261	PHARMACEUTICALS
			Generator #:	ON7435864	312	PATHOLOGICAL WASTES
			Approval Yrs:	2009		
GEN-3	HMA Pharmacy Limited	2948 Baseline Road Ottawa	446110	Pharmacies and Drug Stores	261	PHARMACEUTICALS
			Generator #:	ON3516345	312	PATHOLOGICAL WASTES
			Approval Yrs:	2009		
GEN-4	HMA Pharmacy Limited	2948 Baseline Road Ottawa K2H8T5	446110	Pharmacies and Drug Stores	261	PHARMACEUTICALS
			Generator #:	ON3516345	312	PATHOLOGICAL WASTES
			Approval Yrs:	05,06		
GEN-5	Appletree Corporate Services Inc.	2948 Baseline Road Ottawa K2H 8T5			261	Pharmaceuticals
			Generator #:	ON7435864	312	Pathological wastes
			Approval Yrs:	As of Apr 2012		
GEN-6	HUBER & SUHNER CANADA	2948 BASELINE ROAD NEPEAN K2H 8T5				
			Generator #:	ON2494101		
			Approval Yrs:	02,03		
GEN-7	Appletree Corporate Services Inc.	2948 Baseline Road Ottawa	622111	General (except Paediatric) Hospitals	261	PHARMACEUTICALS
			Generator #:	ON7435864	312	PATHOLOGICAL WASTES
			Approval Yrs:	06,07,08		
GEN-8	HUBER & SUHNER CANADA	2948 BASELINE ROAD NEPEAN K2H 8T5				
			Generator #:	ON2494101		
			Approval Yrs:	04		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-9	HMA Pharmacy Limited	2948 Baseline Road Ottawa K2H8T5			312	Pathological wastes
					261	Pharmaceuticals
			Generator #:	ON3516345		
			Approval Yrs:	As of Oct 2010		
GEN-10	CRAIG (SEE & USE ON0315911)T LTD.	2940 BASELINE ROAD NEPEAN L8H 7S8	5721	CONSTR./FOREST. MACH.	252	WASTE OILS & LUBRICANTS
			Generator #:	ON2478800		
			Approval Yrs:	99,00		
GEN-11	Foxy Recycle Inc	2940 baseline road Ottawa K2H7T3			146	Other specified inorganic sludges, slurries or solids
					212	Aliphatic solvents and residues
			Generator #:	ON8213901		
			Approval Yrs:	As of Apr 2012		
GEN-12	TOROMONT INDUSTRIES LTD.	2940 BASELINE ROAD NEPEAN K2H 7T3	488490	Other Support Activities for Road Transportation	121	ALKALINE WASTES - HEAVY METALS
					212	ALIPHATIC SOLVENTS
			Generator #:	ON0315911	213	PETROLEUM DISTILLATES
			Approval Yrs:	2009	252	WASTE OILS & LUBRICANTS
GEN-13	TOROMONT INDUSTRIES LTD.	2940 BASELINE ROAD NEPEAN L8H 7S8	488490	Other Support Activities for Road Transport	121	ALKALINE WASTES - HEAVY METALS
					212	ALIPHATIC SOLVENTS
			Generator #:	ON0315911	213	PETROLEUM DISTILLATES
			Approval Yrs:	02,03,04,05,06,07,08	252	WASTE OILS & LUBRICANTS
GEN-14	BATTLEFIELD EQUIPMENT RENTALS	2940 BASELINE ROAD NEPEAN L8H 7S8	9911	IND. MACH. RENTAL	213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
			Generator #:	ON0315911		
			Approval Yrs:	99,00,01		
GEN-15	TOROMONT INDUSTRIES LTD.	2940 BASELINE ROAD NEPEAN K2H 7T3			252	Waste crankcase oils and lubricants
					212	Aliphatic solvents and residues
			Generator #:	ON0315911	213	Petroleum distillates
			Approval Yrs:	As of March 2009		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-16	STARDARD LIFE	2936 BASELINE RD OTTAWA K2H 1B3			251	Waste oils/sludges (petroleum based)
			Generator #:	ON7138385		
			Approval Yrs:	As of Jan 2010		
GEN-17	CANADA POST (OUT OF BUSINESS) CORP.	QUALICUM BUILDING 2936 BASELINE ROAD, STATION 506 OTTAWA K1A 0B1	4841	POSTAL SERVICE IND.	264	PHOTOPROCESSING WASTES
			Generator #:	ON0044326		
			Approval Yrs:	98		
GEN-18	CANADA (OUT OF BUS) 08-491	QUALICUM BUILDING 2936 BASELINE ROAD, STATION 506 OTTAWA K1A 0B1	4841	POSTAL SERVICE IND.	264	PHOTOPROCESSING WASTES
			Generator #:	ON0044326		
			Approval Yrs:	92,93,94,95,96,97		
GEN-19	CANADA POST CORPORATION	QUALICUM BUILDING 2936 BASELINE ROAD, STATION 506 OTTAWA K1A 0B1	4841	POSTAL SERVICE IND.	264	PHOTOPROCESSING WASTES
			Generator #:	ON0044326		
			Approval Yrs:	89,90		
GEN-20	STARDARD LIFE	2936 BASELINE RD OTTAWA	551113	Holding Companies	251	OIL SKIMMINGS & SLUDGES
			Generator #:	ON7138385		
			Approval Yrs:	2009		
GEN-21	EDS CANADA	2934 Baseline Road Ottawa	561210	Facilities Support Services	251	OIL SKIMMINGS & SLUDGES
			Generator #:	ON4480146	122	ALKALINE WASTES - OTHER METALS
			Approval Yrs:	03,04,05,06	212	ALIPHATIC SOLVENTS
					252	WASTE OILS & LUBRICANTS
GEN-22	SNC Lavalin O & M	2934 Baseline Road Ottawa K2H 7T3			112	Acid solutions - containing heavy metals
			Generator #:	ON8812097	121	Alkaline slutions - containing heavy metals
			Approval Yrs:	As of Apr 2012	145	Wastes from the use of pigments, coatings and paints
					146	Other specified inorganic sludges, slurries or solids
					251	Waste oils/sludges (petroleum based)
					252	Waste crankcase oils and lubricants

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-23	Standard Life	2932 Baseline Road Ottawa K2H 1B1			251	Waste oils/sludges (petroleum based)
			Generator #:	ON5848441		
			Approval Yrs:	As of Apr 2012		
GEN-24	VICKERS INSTRUMENTS (CANADA) INC.	2930 BASELINE RD. NEPEAN K2H 8T5	3912	OTHER INSTRUMENTS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0220500	122	ALKALINE WASTES - OTHER METALS
			Approval Yrs:	86,87	123	ALKALINE PHOSPHATES
					148	INORGANIC LABORATORY CHEMICALS
					211	AROMATIC SOLVENTS
					212	ALIPHATIC SOLVENTS
					241	HALOGENATED SOLVENTS
GEN-25	NANOQUEST (OUT OF BUSINESS)	(FORMALLY VICKERS) 2930 BASELINE RD. NEPEAN K2H 8T5	3912	OTHER INSTRUMENTS		
			Generator #:	ON0220500		
			Approval Yrs:	90		
GEN-26	NANOQUEST (OUT OF BUSINESS) 28-542	(FORMALLY VICKERS) 2930 BASELINE RD. NEPEAN K2H 8T5	3912	OTHER INSTRUMENTS		
			Generator #:	ON0220500		
			Approval Yrs:	92,93,94,95,96,97		
GEN-27	NANOQUEST (CANADA) INC.	(FORMALLY VICKERS) 2930 BASELINE RD. NEPEAN K2H 8T5	3912	OTHER INSTRUMENTS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0220500	122	ALKALINE WASTES - OTHER METALS
			Approval Yrs:	88,89	123	ALKALINE PHOSPHATES
					148	INORGANIC LABORATORY CHEMICALS
					211	AROMATIC SOLVENTS
					212	ALIPHATIC SOLVENTS
					241	HALOGENATED SOLVENTS
					263	ORGANIC LABORATORY CHEMICALS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-28	NANOQUEST (OUT OF BUSINESS)	(FORMALLY VICKERS) 2930 BASELINE ROAD NEPEAN K2H 8T5	3912	OTHER INSTRUMENTS		
			Generator #:	ON0220500		
			Approval Yrs:	98		

TSSA Historic Incidents

Map Key	Company	Address	External File Num	Date of Occurrence	Fuel Occurrence Type	Fuel Type Involved
HINC-1		345 MONTEREY DRIVE NEPEAN K2H 7B1	FS INC 0906-03269	6/13/2009	CO Release	Natural Gas

Status Desc: Completed - No Action Required
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Utilization
Root Cause:
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Pesticide Register

Map Key	Company	Address	Licence No.	Licence Type
PES-1	A. WINTERGREEN LANDSCAPING/954660 ONTARIO INC.	R.R. #2, 2940 HWY #16 374 NEPEAN K2C 3H1		
PES-2	A. WINTERGREEN LANDSCAPING/954660 ONTARIO INC	R R 2, 2940 HWY #16 BOX 374 NEPEAN K2C3H1		Operator

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-1	CRAIG CONSTRUCTION EQUIPMENT	2940 BASELINE RD NEPEAN K2H 7T3	1955	0	38	3531	CONSTRUCTION MACHINERY AND EQUIPMENT
						5082	CONSTRUCTION AND MINING (EXCEPT PETROLEUM) MACHINERY AND EQUIPMENT

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	Hydro Ottawa Limited	142 Valleystream Dr. Ottawa	0645-5WQQ43	3/3/2004	3/3/2004	MINERAL OIL	
			Incident Summary:	Ottawa Hydro-20 gall. transformer oil spill.			
			Incident Cause:	Unknown			
			Incident Reason:	Unknown - Reason not determined			
			Nature of Impact:				
			Receiving Medium:	Land			
			Environmental Impact:	Possible			
SPL-2		2936 Baseline Road Ottawa	2154-8EEJS8	2/25/2011	2/25/2011	HYDRAULIC OIL	20 L
			Incident Summary:	Shredit,Ottawa: hydraulic oil to private lot.			
			Incident Cause:				
			Incident Reason:				
			Nature of Impact:				
			Receiving Medium:				
			Environmental Impact:	Not Anticipated			
SPL-3	UNKNOWN	2932 BASELINE RD. NEPEAN CITY K2H 1B1	9711	9/16/1988	9/16/1988		
			Incident Summary:	TEREZ CORP. -DISCOVERED BURIED FUEL TANKS AT CONST. SITE, SOME LEAKAGE			
			Incident Cause:	UNDERGROUND TANK LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:				
SPL-4	UNKNOWN	MONTEREY DRIVE AT BASELINE NEPEAN CITY	117181	8/14/1995	8/14/1995		
			Incident Summary:	SMALL VOLUME OF OIL DUMPED ON CITY PROPERTY; FIRE DEPARTMENT CLEANEDUP			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	INTENTIONAL/PLANNED			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
n/a	BUS	BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY	71210	5/27/1992	5/27/1992		
			Incident Summary:	REG. MUNICIPALITY OF OTTAWA CARELTON - 25 L OF DIESEL TO GROUND			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	OVERSTRESS/OVERPRESSURE			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1		lot 35 con 3	1528135	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/24/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 43 ft
Pump Rate: 3 GPM
Static Water Level: 7 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
6 ft	6 ft	GREY	CLAY, SANDY
10 ft	16 ft	BROWN	MEDIUM SAND
23 ft	39 ft	GREY	SAND, SILT, VERY
4 ft	43 ft	GREY	CLAY, SANDY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		lot 35 con 3	1529516	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/27/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 33 ft
Pump Rate: 22 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 17
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
17 ft	17 ft	GREY	CLAY, TILL
16 ft	33 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		lot 35 con 3	1529517	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/26/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 27 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n):
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 11
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
11 ft	11 ft	GREY	CLAY, TILL
16 ft	27 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		lot 35 con 3	1529518	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/18/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 61 ft
Pump Rate: 27 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 20
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
20 ft	20 ft	GREY	CLAY, TILL
41 ft	61 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		lot 35 con 3	1529519	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/26/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 27 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n):
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 27
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: OPEN HOLE

Thickness	Original Depth	Material Colour	Material
27 ft	27 ft	GREY	CLAY, TILL
0 ft	27 ft	GREY	DOLOMITE, LIMESTONE, ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-6		lot 35 con 3	1529520	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/22/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 42 ft
Pump Rate: 13 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 26
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
26 ft	26 ft	GREY	CLAY, TILL
16 ft	42 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		lot 35 con 3	1529521	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/24/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 36 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 36
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
8 ft	8 ft	GREY	CLAY
28 ft	36 ft	GREY	SAND, GRAVEL
0 ft	36 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-8		lot 35 con 3	1529522	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/28/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 39 ft
Pump Rate: 22 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 21
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
21 ft	21 ft	GREY	CLAY, TILL
18 ft	39 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9		lot 35 con 3	1529523	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/22/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 37 ft
Pump Rate: 45 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 37
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
12 ft	12 ft	GREY	CLAY
25 ft	37 ft	GREY	SAND, GRAVEL
0 ft	37 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-10		lot 35 con 3	1529524	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 9/4/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 37 ft
Pump Rate: 45 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 37
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
14 ft	14 ft	GREY	CLAY
23 ft	37 ft	GREY	SAND, GRAVEL
0 ft	37 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-11		lot 35 con 3	1529525	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/16/1996
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 40 ft
Pump Rate: 54 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 22
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
22 ft	22 ft	GREY	CLAY, TILL
18 ft	40 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-12		lot 35 con 3	1529536	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 3/27/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 25 ft
Pump Rate: 25 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 25
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
16 ft	16 ft	GREY	CLAY
9 ft	25 ft	GREY	SAND
0 ft	25 ft	GREY	DOLOMITE, LIMESTONE, ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-13		lot 35 con 3	1529537	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 1/31/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 29 ft
Pump Rate: 13 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 11
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
11 ft	11 ft	GREY	CLAY, TILL
18 ft	29 ft	GREY	DOLOMITE, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-14		lot 35 con 3	1529538	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/8/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 31 ft
Pump Rate: 66 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 31
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
11 ft	11 ft	GREY	CLAY
20 ft	31 ft	GREY	SAND, GRAVEL
0 ft	31 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-15		lot 35 con 3	1529539	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/15/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 34 ft
Pump Rate: 16 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 34
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
13 ft	13 ft	GREY	CLAY
21 ft	34 ft	GREY	SAND
0 ft	34 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-16		lot 35 con 3	1529540	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/18/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 31 ft
Pump Rate: 54 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 31
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
19 ft	19 ft	GREY	CLAY, TILL
12 ft	31 ft	GREY	SAND
0 ft	31 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-17		lot 35 con 3	1529541	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/27/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 31 ft
Pump Rate: 65 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
29 ft	29 ft	GREY	CLAY, TILL
2 ft	31 ft	GREY	SAND, GRAVEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-18		lot 35 con 3	1529543	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/26/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 35 ft
Pump Rate: 45 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 35
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
28 ft	28 ft	GREY	CLAY
7 ft	35 ft	GREY	SAND
0 ft	35 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-19		lot 35 con 3	1529544	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/28/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 37 ft
Pump Rate: 4 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 37
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
12 ft	12 ft	GREY	CLAY
25 ft	37 ft	GREY	SAND, GRAVEL
0 ft	37 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-20		lot 35 con 3	1529545	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/6/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 33 ft
Pump Rate: 34 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 33
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
10 ft	10 ft	GREY	CLAY
23 ft	33 ft	GREY	SAND, GRAVEL
0 ft	33 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-21		lot 35 con 3	1529546	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/20/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 27 ft
Pump Rate: 32 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
21 ft	21 ft	BROWN	SAND
6 ft	27 ft	GREY	TILL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-22		lot 35 con 3	1529547	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/4/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 33 ft
Pump Rate: 41 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 33
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
12 ft	12 ft	GREY	CLAY
21 ft	33 ft	GREY	SAND, GRAVEL
0 ft	33 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-23		lot 35 con 3	1529548	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 1/23/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 49 ft
Pump Rate: 54 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 49
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
25 ft	25 ft	GREY	CLAY
24 ft	49 ft	GREY	SAND, GRAVEL
0 ft	49 ft		ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-24		lot 35 con 3	1529549	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/19/1997
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 35 ft
Pump Rate: 27 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
6 ft	6 ft	GREY	CLAY
29 ft	35 ft	GREY	SAND, GRAVEL, TILL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-25		lot 35 con 3	1528133	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/5/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 34 ft
Pump Rate: 13 GPM
Static Water Level: 6 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: STEEL, STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
4 ft	4 ft	GREY	CLAY, SANDY, SAND
14 ft	18 ft	BROWN	SAND, BOULDERS, MEDIUM-GRAINED
16 ft	34 ft	GREY	SAND, SILT, VERY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-26		lot 35 con 3	1528134	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437470.7
Northing Nad83: 5020390
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/23/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 47 ft
Pump Rate: 30 GPM
Static Water Level: 1 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Dewatering
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 84.316429
Elevation Reliability:
Depth to Bedrock: 47
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
16 ft	16 ft	GREY	CLAY
21 ft	37 ft	GREY	CLAY, SILTY
5 ft	42 ft	GREY	CLAY, SANDY
5 ft	47 ft	GREY	TILL, SAND, GRAVEL
0 ft	47 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-27		lot 35 con 3	1506066	035	03	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437310.6
Northing Nad83: 5020522
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 8/3/1961
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 105 ft
Pump Rate: 20 GPM
Static Water Level: 15 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 77.576934
Elevation Reliability:
Depth to Bedrock: 40
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft	BROWN	TOPSOIL
27 ft	30 ft	BROWN	CLAY
10 ft	40 ft	BLUE	CLAY
60 ft	100 ft	BLACK	SLATE
5 ft	105 ft	BROWN	SANDSTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-28		lot 17 con 2	1504034	017	02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 437235.6
Northing Nad83: 5020782
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/24/1959
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 64 ft
Pump Rate: 30 GPM
Static Water Level: 7 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 69.842681
Elevation Reliability:
Depth to Bedrock: 36
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE,

Thickness	Original Depth	Material Colour	Material
22 ft	22 ft		CLAY, BOULDERS
14 ft	36 ft		MEDIUM SAND, GRAVEL
28 ft	64 ft		LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 17	1525050	017			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/24/1990
Primary Water Use: Domestic
Secondary Water Use: Cooling And A/C
Well Depth: 130 ft
Pump Rate: 24 GPM
Static Water Level: 24 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 72
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	BLACK	TOPSOIL
42 ft	43 ft	GREY	CLAY, PACKED
19 ft	62 ft	BLUE	CLAY, LOOSE
10 ft	72 ft	GREY	GRAVEL
58 ft	130 ft	GREY	LIMESTONE, SOFT

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 17	1525217	017			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 10/26/1990
Primary Water Use: Domestic
Secondary Water Use: Cooling And A/C
Well Depth: 130 ft
Pump Rate: 21 GPM
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 68
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
40 ft	40 ft	GREY	CLAY, FILL
21 ft	61 ft	BLUE	CLAY, LOOSE
7 ft	68 ft	GREY	GRAVEL
62 ft	130 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1526813	018			OTTAWA-CARLETON	OTTAWA CITY (NEPEAN)

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/19/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 25 ft
Pump Rate: 30 GPM
Static Water Level: 15 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	BROWN	TOPSOIL, SOFT
11 ft	13 ft	BROWN	SAND, GRAVEL, SOFT
4 ft	17 ft	BROWN	GRAVEL, BOULDERS, HARD
8 ft	25 ft	BROWN	GRAVEL, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528060	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/22/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 10 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Overburden below Bedrock
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0 ft	0 ft	BLACK	DOLOMITE
1 ft	1 ft	GREY	GRAVEL, PACKED
4 ft	5 ft	BROWN	CLAY, LOOSE
5 ft	10 ft	GREY	CLAY, LAYERED, GRAVEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528061	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/22/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 15 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	GRAVEL, SAND, LOOSE
4 ft	5 ft	BROWN	SAND, LOOSE
10 ft	15 ft	GREY	CLAY, LAYERED, PACKED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528062	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/22/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 10 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0 ft	0 ft	BLACK	UNKNOWN TYPE
1 ft	1 ft	GREY	GRAVEL, PACKED
3 ft	4 ft	BROWN	SAND, DENSE
6 ft	10 ft	GREY	CLAY, SOFT, LAYERED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528063	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/23/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 13 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0 ft	0 ft	BLACK	UNKNOWN TYPE
1 ft	1 ft	GREY	GRAVEL, PACKED
3 ft	4 ft	BROWN	CLAY, DENSE
2 ft	6 ft	BROWN	SAND, DENSE
7 ft	13 ft	GREY	CLAY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528064	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/23/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 10 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0 ft	0 ft	BLACK	UNKNOWN TYPE
1 ft	1 ft	GREY	GRAVEL, PACKED
9 ft	10 ft	GREY	CLAY, SOFT, LAYERED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528065	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/23/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 10 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0 ft	0 ft	BLACK	UNKNOWN TYPE
1 ft	1 ft	GREY	GRAVEL, PACKED
1 ft	2 ft	BROWN	CLAY, DENSE
2 ft	4 ft	BROWN	FINE SAND
6 ft	10 ft	GREY	CLAY, SOFT, LAYERED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528066	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/23/1994
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 10 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0 ft	0 ft	BLACK	UNKNOWN TYPE
1 ft	1 ft	GREY	GRAVEL, PACKED
3 ft	4 ft	BROWN	CLAY, DENSE
6 ft	10 ft	GREY	CLAY, SOFT, LAYERED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528700	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/8/1995
Primary Water Use: Not Used
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528701	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/8/1995
Primary Water Use: Not Used
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528702	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/8/1995
Primary Water Use: Not Used
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528703	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/8/1995
Primary Water Use: Not Used
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1528704	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/8/1995
Primary Water Use: Not Used
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		con 2	1529331		02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 12/18/1996
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 19 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	BROWN	CLAY, TOPSOIL, FILL
17 ft	19 ft	GREY	CLAY, WATER-BEARING

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		con 2	1529332		02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 12/18/1996
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 15 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	BROWN	CLAY, TOPSOIL, FILL
13 ft	15 ft	GREY	CLAY, WATER-BEARING

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		con 2	1529333		02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 12/18/1996
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 18 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft	BROWN	SAND, GRAVEL, FILL
13 ft	18 ft	GREY	CLAY, WATER-BEARING

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		con 2	1529560		02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 3/6/1997
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 12 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft	BROWN	CLAY, SANDY, FILL
7 ft	12 ft	GREY	CLAY, STONES

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		con 2	1529561		02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/5/1997
Primary Water Use: Commerical
Secondary Water Use: Municipal
Well Depth: 15 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft	BROWN	CLAY, SANDY, FILL
10 ft	15 ft	GREY	CLAY, STONES

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		con 2	1529562		02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 2/4/1997
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 10 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: Not stated
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft	BROWN	TILL, SANDY, GRAVEL
5 ft	10 ft	GREY	CLAY, STONES

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 18	1533714	018			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 10/24/2002
Primary Water Use:
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Thickness	Original Depth	Material Colour	Material

Appendix: Ontario Database Descriptions

EcoLog Environmental Risk Information Services Ltd 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 EcoLog ERIS at the time of update. **Note:** Databases denoted with "*" indicates that the database will no longer be updated. See the individual database descriptions for more information.

Provincial Government Source Databases:

Abandoned Aggregate Inventory Up to Sept 2002 **AAGR**

The MAAP Program maintains a database of all 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.

Aggregate Inventory Up to Jun 2011 **AGR**

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot\concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mines Information System 1800-Jan 2012 **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.

Borehole 1875-Aug 2011 **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.

Certificates of Approval 1985-Oct 30, 2011* **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.

TSSA Commercial Fuel Oil Tanks 1948-Aug 2011 **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Inventory of Coal Gasification Plants and Coal Tar Sites April 1987 and November 1988* **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.*

Compliance and Convictions 1989-Oct 2012 **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.

Certificates of Property Use 1994-Nov 2012 **CPU**

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

Drill Holes 1886-Oct 2011 **DRL**

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

Environmental Activity and Sector Registry Oct 31, 2011-Nov 2012 **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.

Environmental Registry 1994-Nov 2012 **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.

Environmental Compliance Approval **Oct 31, 2011-Nov 2012** **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 CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

List of TSSA Expired Facilities **Current to Feb 2012** **EXP**

This is a list of all expired facilities that fall under the TSSA (TSS Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

TSSA Fuel Storage Tanks **Current to Jun 2011** **FST**

The Technical Standards & Safety Authority (TSSA), under the *Technical Standards & Safety Act* of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Ontario Regulation 347 Waste Generators Summary **1986-Apr 2012** **GEN**

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

TSSA Historic Incidents **2006-June 2009** **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. We also work to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

TSSA Incidents **June 2009-Mar 2012** **INC**

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Landfill Inventory Management Ontario 2010 **LIMO**

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Mineral Occurrences 1846-Nov 2011 **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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Non-Compliance Reports 1992(water only), 1994-2010 **NCPL**

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

Ontario Oil and Gas Wells 1800-Feb 2012 **OOGW**

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

Ontario Inventory of PCB Storage Sites 1987-Oct 2004 **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.

Orders 1994-Nov 2012 **ORD**

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

Pesticide Register 1988-Mar 2011 **PES**

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

TSSA Pipeline Incidents **June 2009-Mar 2012** **PINC**

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Private and Retail Fuel Storage Tanks **1989-1996*** **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).

Permit to Take Water **1994-Nov 2012** **PTTW**

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

Ontario Regulation 347 Waste Receivers Summary **1986-2009** **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.

Record of Site Condition **1997-Sept 2001, Oct 2004-Oct 2012** **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).

Ontario Spills **1988-2011** **SPL**

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Wastewater Discharger Registration Database **1990-2011** **SRDS**

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

TSSA Variances for Abandonment of Underground Storage Tanks **Current to October 2011** **VAR**

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Waste Disposal Sites - MOE CA Inventory **1970-Nov 2012** **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.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory **Up to Oct 1990*** **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.

Water Well Information System **1955-2011** **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.

Federal Government Source Databases: Diagram Identifier:

Environmental Effects Monitoring **1992-2007*** **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.

Environmental Issues Inventory System **1992-2001*** **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.

Federal Convictions **1988-Jun 2007** **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.

Contaminated Sites on Federal Land **June 2000-Sept 2012** **FCS**

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks **1964-Sept 2003** **FOFT**

Fisheries & Oceans Canada maintains an inventory of all 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.

Indian & Northern Affairs Fuel Tanks **1950-Aug 2003** **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

National Analysis of Trends in Emergencies System (NATES) **1974-1994*** **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.

National Defence & Canadian Forces Fuel Tanks **Up to May 2001*** **NDFT**

The Department of National Defence 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.

National Defence & Canadian Forces Spills **Mar 1999-Aug 2010** **NDSP**

The Department of National Defence 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.

National Defence & Canadian Forces Waste Disposal Sites **2001-April 2007** **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.

National Environmental Emergencies System (NEES) 1974-2003 **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 all 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.

National PCB Inventory 1988-2008 **NPCB**

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.

National Pollutant Release Inventory 1993-2010 **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.

Parks Canada Fuel Storage Tanks 1920-Jan 2005 **PCFT**

Canadian Heritage maintains an inventory of all 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.

Transport Canada Fuel Storage Tanks 1970-March 2007 **TCFT**

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. This inventory will also include The Pickering Lands, which refers to the 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, falls under the Site Management Policy of Transport Canada, but administered by Public Works and Government Services Canada. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Private Source Databases:

Anderson's Waste Disposal Sites 1860s-Present **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 authoritive. The information was collected for research purposes only.*

Automobile Wrecking & Supplies 2001-Jun 2010 **AUWR**

This database provides an inventory of all 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.

Chemical Register 1992, 1999-Jun 2010 **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.).

ERIS Historical Searches 1999-Oct 2012 **EHS**

EcoLog 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.

Canadian Mine Locations 1998-2009 **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.

Oil and Gas Wells Oct 2001-Sept 2012 **OGW**

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 Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Canadian Pulp and Paper 1999, 2002, 2004, 2005, 2009 **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.

Retail Fuel Storage Tanks 2000-Jun 2010 **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. Information is provided on company name, location and type of business.

Scott's Manufacturing Directory 1992-Mar 2011 **SCT**

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

Anderson's Storage Tanks 1915-1953* **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.*

Appendix D:
Municipal & Provincial Records

From: squibell@tssa.org [mailto:squibell@tssa.org] **On Behalf Of** Public Information Services
Sent: Thursday, December 20, 2012 3:32 PM
To: Kathy Radisch
Subject: Re: File Search - Baseline Road, Ottawa

Hi Kathy,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record.

2946 Baseline Rd, Nepean has record of an active cylinder exchange facility.

For a more detailed report including underground fuel storage tank details and copies of all inspection reports, please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a cheque made payable to TSSA.

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

Thank you and have a great day!

Regards,
Sarah

Sarah Quibell
Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY
"Putting Public Safety First"
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

www.tssa.org
Toll-Free: 1-877-682-8772

On Thu, Dec 20, 2012 at 3:21 PM, Kathy Radisch <kathy.radisch@exp.com> wrote:
Good Afternoon,

Would you please search your files for the following addresses in Ottawa, Ontario:

- 2946, 2948, 2940 Baseline Road;
- 173 Valley Stream Drive; and,
- 80 Sandcastle Drive.

We are looking for any environmental concerns.

Thank you,

Kathy Radisch
Administrative Assistant
exp Services Inc.
t: +1.613.688.1891 x3296 | f: +1.613.225.7337
2560 Queensview Drive, Suite 100
Ottawa, Ontario K2B 8H6
CANADA

December 20, 2012

VIA FACSIMILE:
416-314-4285

Ms. Suzanne Craig
Coordinator Freedom of Information &
Recorded Information Management
Ontario Ministry of the Environment
8th Floor, 40 St. Clair Avenue West
Toronto, Ontario M4V 1M2

Re: **File Review Request**
2946-2948 Baseline Road, Ottawa, Ontario

Dear Ms. Craig:

I am sending a Freedom of Information Request to you for 2946-2948 Baseline Road, Ottawa, Ontario. Please note that this is a single parcel of land (2946 Baseline Road), but contains two municipal addresses (2946 and 2948). We are conducting an environmental site assessment and require any environmental concerns.

If possible, we would appreciate receiving the documentation by email (kathy.radisch@exp.com) and by mail. If you have any questions, or require any further information, please do not hesitate to contact the undersigned at 613-688-1891, ext. 3296.

Yours truly,
exp Services Inc.

Kathy Radisch
Administrative Assistant
Earth & Environment

Enclosures: FOI Form
Credit Card Payment Form

Appendix E: Photographs

Photograph No. 1

An overview of the subject site looking north

Photograph No. 2

An overview of the subject site looking north

Photograph No. 3

Adjacent historic construction yard at 2940 Baseline Road

Photograph No. 4

Propane BBQ pressure vessel cage as part of operation noted by TSSA