



Phase I Environmental Site Assessment

5 – 70 Archerhill Court, Aurora, Ontario

Client:

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Attention :

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1 Executive Summary

EXP Services Inc. (EXP) was retained by Highfair Investments Inc. c/o Treasure Hill (client) to complete a Phase I Environmental Site Assessment (ESA) of the properties located at 5 – 70 Archerhill Court in Aurora, Ontario, hereinafter referred to as the 'Site'.

EXP understands that the client requires this Phase I ESA for due diligence purposes and that a Record of Site Condition (RSC) is not required at this time. Authorization to proceed with the Phase I ESA was provided by Ms. Farah Ibrahim of Highfair Investments Inc. c/o Treasure Hill.

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 (R2016). 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 10 of this report.

The Site is located within a cul-du-sac (Archerhill Court), on the northwestern corner of the intersection at Vandorf Sideroad and Bayview Avenue in Aurora, Ontario (Figure 1). The Site measures approximately 12.34 hectares (30.48 acres) in area. The Site consisted of 14 residential properties with grassed and landscaped areas surrounding the residential homes. A wooded area was observed on the northwestern portion of the Site.

The areas surrounding the Site consist of residential properties to the north, south and east, and a wooded area to the west.

Based on a review of historical records, the Site had been used for agricultural purposes since before 1954. A residential cul-du-sac was developed on Site circa 1988.

Based on the Phase I ESA findings, including Site observations, information provided by the Site representative, the review of environmental databases, available historical information, and information provided by the Technical Standards and Safety Authority (TSSA) and information pending from the Ministry of the Environment, Parks and Conservations (MECP), no issues of potential environmental concern were identified for the Site, and no further work is recommended for the Site at this time.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety. Limitation of liability, scope of report and third-party reliance are outlined in Section 10 of this report.

2 Introduction

EXP Services Inc. (EXP) was retained by Highfair Investments Inc. c/o Treasure Hill (client) to complete a Phase I Environmental Site Assessment (ESA) of the properties located at 5 – 70 Archerhill Court in Aurora, Ontario, hereinafter referred to as the 'Site'.

EXP understands that the client requires this Phase I ESA for due diligence purposes and that a Record of Site Condition (RSC) is not required at this time. Authorization to proceed with the Phase I ESA was provided by Ms. Farah Ibrahim of Highfair Investments Inc. c/o Treasure Hill.

2.1 Objective

The objective of this Phase I ESA is to identify potential sources of environmental concern to the Site.

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 (R2016). 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 10 of this report.

2.2 Site Description

The Site is located within a cul-du-sac (Archerhill Court), on the northwestern corner of the intersection at Vandorf Sideroad and Bayview Avenue in Aurora, Ontario (Figure 1). The Site measures approximately 12.34 hectares (30.48 acres) in area. The Site consisted of 14 residential properties with grassed and landscaped areas surrounding the residential homes. A wooded area was observed on the northwestern portion of the Site.

The areas surrounding the Site consist of residential properties to the north, south and east, and a wooded area to the west.

Based on a review of historical records, the Site had been used for agricultural purposes since before 1954. A residential cul-du-sac was developed on Site circa 1988.

Photographs of the Site are included in Appendix A.

3 Scope of Investigation

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

- Reviewing the historical occupancy of the Site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting provincial agencies to determine the existence of records of environmental regulatory non-compliance;
- Reviewing available topographic and geological maps for the vicinity of the Site;
- Reviewing available environmental reports previously completed for the Site;
- Reviewing environmental source information published by the MECP and online databases maintained by the MECP;
- Conducting a reconnaissance of the Site and Site infrastructure 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 Site and Site buildings;
- Reviewing the current uses of the Site and any land use practices that may have impacted the environmental conditions at the Site;
- From the Site and publicly accessible areas, reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the 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 this investigation.

EXP personnel who conducted assessment work for this project included Martin Hluchaniuk, B.A., and Jason Slidders, L.E.T. An outline of their qualifications is provided in Section 8.

4 Records Review

4.1 General

The Site is located within a cul-du-sac (Archerhill Court), on the northwestern corner of the intersection at Vandorf Sideroad and Bayview Avenue in Aurora, Ontario as shown in Figure 1. The Phase I Study Area, as shown on Figure 2, consists of neighbouring properties within a distance of approximately 150 metres (m) from the Site boundaries.

4.2 Groundwater Flow Direction

The Site is unevenly graded with an elevation range of approximately 272 to 278 m above sea level. Tributaries of the Holland River (East Branch) historically ran through the Site. The Holland River (East Branch) is located approximately 1.28 km north of the Site. Based on the information provided on the topographic map, regional groundwater is expected to flow north-northwest.

4.3 Aerial Photographs

Aerial photographs for the Site dated 1954, 1970, 1978, 1988, 1995, 2011, and 2020 were obtained in order to review the development and land use history of the Site as well as determine major developments at and in the immediate vicinity of the Site. The development and land use history of the Site and adjacent properties as depicted on the reviewed aerial photographs are summarized below with copies of the aerial photographs included in Appendix B.

Aerial Photograph	Details
1954	<ul style="list-style-type: none"> ● The Site appears to be undeveloped and was utilized for agricultural purposes. ● A residential structure can be seen south adjacent to the Site. ● Residential farmsteads can be seen north, east, and southeast of the Site. ● A wooded area can be seen northwest, west, and southwest of the Site. ● Vandorf Side Road and Bayview Avenue is constructed in a similar orientation to present day. ● The remainder of the Phase I Study Area appears to be utilized for agricultural purposes.
1970	<ul style="list-style-type: none"> ● The Site and Phase I Study Area appears similar to that observed in the 1954 aerial photograph. ● Vandorf Side Road can be seen extended east of Bayview Avenue.
1978	<ul style="list-style-type: none"> ● The Site and Phase I Study Area appears similar to that observed in the 1970 aerial photograph.
1988	<ul style="list-style-type: none"> ● The Site has been redeveloped with Archerhill Court constructed in a similar orientation to present day. Fourteen (14) residential structures can be seen being constructed on Site, similar in size and configuration to the residential structures observed at the time of the Site visit. ● The properties west of the Site have been redeveloped with large, irregular shaped buildings and associated parking lots. ● Engelhard Drive can be seen constructed in a similar orientation to present day.

Aerial Photograph	Details
	<ul style="list-style-type: none"> The remainder of the Phase I Study Area appears similar to that observed in the 1978 aerial photograph.
1995	<ul style="list-style-type: none"> The residential properties on Site have been completed with landscaping, driveways, and various swimming pools on Site. The property south adjacent of the Site appears to be under development. Additional large structures have been developed west of the Site. The remainder of the Phase I Study Area appears similar to that observed in the 1988 aerial photograph.
2011	<ul style="list-style-type: none"> The Site appears similar to that observed in the 1995 aerial photograph. Two (2) residential subdivisions can be seen constructed south adjacent and southeast of the Site. The property east of the Site appears to have been stripped and appears to be under development. A stormwater pond can be seen east of the Site. The remainder of the Phase I Study Area appears similar to that observed in the 1995 aerial photograph.
2020	<ul style="list-style-type: none"> The Site appears similar to that observed in the 2011 aerial photograph. Two (2) more residential subdivisions can be seen north and east of the Site. The remainder of the Phase I Study Area appears similar to that observed in the 2011 aerial photograph.

4.4 Fire Insurance Plans

A search of the Canadian Underwriter's Association Fire Insurance Plans (FIPs) for historic maps of the Site and surrounding area was completed on the Catalogue of Canadian Fire Insurance Plans Index. No, FIPs were available for the Site or surrounding area.

4.5 City Directories

A search request was sent to LGI Copy Services Canada by EXP on February 17th, 2021 to determine the occupancy history of the Site and properties within the Phase I Study Area.

Please note that as a result of the recent COVID-19 pandemic, the government has closed down various institutions which severely limits/eliminates EXP's ability to access government libraries and archives and prepare a detailed historical search of the Site and surrounding areas. This includes a review of the city directories which are provided at public libraries. Upon receipt of the response from the LGI, if any significant environmental issues are identified by EXP they will be forwarded to the Client as an addendum to this report.

4.6 Previous Reports

No previous environmental reports were made available to EXP at the time of this Phase I ESA.

4.7 Chain of Title

A chain of title was not completed for the Site as the Site history was established using historical information available from other sources.

4.8 Regulatory Requests

The appropriate regulatory agencies at the provincial level was 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.

4.8.1 Ministry of the Environment, Conservation and Parks

On February 18th, 2021, a request for information was submitted to the MECP Freedom of Information, Protection of Privacy Office for information in their files regarding the Site that pertain to any Environmental Concerns, Orders and Spills.

A response from the MECP typically requires several weeks to months. If any potential environmental issues are identified in the response from the MECP, they will be sent as an addendum to this report.

A copy of the request is included in Appendix C.

4.8.2 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) is the Provincial regulatory agency responsible for overseeing the storage of fuels in Ontario. As such, the TSSA maintains a database (approximately 1987 to present) of all registered fuel storage tanks in Ontario.

On February 17th, 2021, a Public Information Agent for the TSSA, was contacted by email and requested to search the TSSA database for records of fuel storage at the Site and adjacent properties. A response dated February 17th, 2021, indicated no records were identified for the Site and surrounding properties.

A copy of the request and response is included in Appendix C.

4.9 Topographic, Geological and Soil Maps

The following maps were reviewed:

- "Toporama"; Natural Resources Canada. Scale 1:17,500. 2008.
- Quaternary Geology of Ontario – geology_II.shp [computer file], Ontario: Ontario Geological Survey, 2000.
- Bedrock Geology of Ontario – geology_II.shp [computer file], Ontario: Ontario Geological Survey, 2000.

The review of these maps indicated the following:

- Tributaries of the Holland River (East Branch) historically ran through the Site. The Holland River (East Branch) is located approximately 1.28 km north of the Site. Based on the information provided on the topographic map, regional groundwater is expected to flow north-northwest.
- The Site and surrounding areas are dominated by Newmarket Till consisting predominantly of sandy silt to silt matrix, moderate to high matrix carbonate content, clast content moderate to high from the Pleistocene Era.

- The bedrock in the general area of the Site is part of a group belonging to the Georgian Bay Formation, Blue Mountain Formation, Billings Formation, Collingwood Member, and Eastview Member consisting of shale, limestone, dolostone, and siltstone.

4.10 Company Records

No company records were made available to EXP at the time of the Site visit.

4.11 Environmental Source Information

Environmental source information includes documents published by the MECP and online databases maintained by the MECP. These documents and databases were reviewed to determine if waste disposal, coal gasification, PCB storage sites or sites that generate hazardous wastes were located on-Site or within the Phase I Study Area.

4.11.1 Federal and Provincial Database Search

A search of provincial and federal databases for records pertaining to the Site and Phase I Study Area was conducted by ERIS on February 22nd, 2021. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. It is noted that for the purpose of this Phase I ESA, only records located within the Phase I Study Area were reviewed.

A copy of the ERIS report is provided in Appendix D, with a summary of the noteworthy findings is provided below:

Location & Proximity to Site	Summary	Database	Potential Environmental Concern to Site (Yes/No)
Site			
60 Archerhill Court	A spill occurred on November 5 th , 2014 after a natural gas pipeline was struck by the homeowner. An associated pipeline incident was recorded on February 18 th , 2015.	SPL PINC	No, based on the nature of the spill being released to the air.
Lot 76 Con 1	One (1) domestic water well was noted, primarily used for livestock. The well was constructed in 1950 to a maximum depth of 38.4 m below ground surface (bgs).	WWIS	N/A
Surrounding Properties			
Phase I Study Area	Nine (9) water wells were noted within the Phase I Study Area. The stratigraphy consisted of silty sand, followed by grey clay, to a maximum depth of 85 m bgs.	WWIS	N/A

Databases:

PINC – Pipeline Incidents

SPL – Ontario Spills

WWIS - Water Well Information System

The remaining listings were not considered to have the potential to pose an environmental concern to the Site based on either the inferred operations, separation distance from the Site, or the trans/down-gradient location with respect to the anticipated groundwater flow direction to the north-northwest.

4.11.2 Record of Site Condition

A Record of Site Condition (RSC) summarizes the environmental conditions of a property as determined by a qualified person (QP) by conducting a Phase I ESA, and where necessary, a Phase II ESA, confirmatory sampling and risk assessment. Upon completion of the necessary environmental Site assessments, a RSC for an assessed property can be filed with the MECP and added to the Environmental Brownfields Site Registry database. This online, publicly available database can be searched to identify properties which may have potential environmental concerns.

Based on a search of the Environmental Brownfields Site Registry database, the Site and immediate surrounding properties are not listed with an RSC.

4.12 Utility Company Records

No utility company records were reviewed at the time of EXP's Phase I ESA.

4.13 Public Health Concerns

No public health concerns were identified at the time of EXP's Phase I ESA.

5 Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable with respect to 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 Site.

Interviews were conducted in-person with each individual homeowner at the time of the Site visit. Details regarding the Site were established using the records review and observations made from the Site visit.

6 Site Reconnaissance

On February 17th, 2021, Martin Hluchaniuk, B.A. and Andrew Bezarevic of EXP conducted the Site visit in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the Site visit was to assess the current conditions of the Site.

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

The Site and the adjoining properties were observed from the Site and/or publicly accessible areas. Photographs documenting the Site visit are included in Appendix A.

6.1 Site

6.1.1 Property Use

The Site is zoned for residential use and is currently occupied by fourteen (14) residential homes.

6.1.2 Buildings and Structures

The Site is located within a cul-du-sac (Archerhill Court), on the northwestern corner of the intersection at Vandorf Sideroad and Bayview Avenue in Aurora, Ontario. The Site consisted of 14 residential properties of varying footprints with grassed and landscaped areas surrounding the residential homes. A wooded area was observed on the northwestern portion of the Site.

Based on the review of historical aerial photographs, interviews, and other records, the Site was first developed circa 1988.

A Site Plan is included as Figure 3.

The main characteristics of the residential buildings are included in the following table:

Building Surface	Building Material Description
Floor Surfaces	<ul style="list-style-type: none"> Carpet, concrete, ceramic, tile
Ceilings	<ul style="list-style-type: none"> Suspended tiles, drywall, steel deck
Interior Walls	<ul style="list-style-type: none"> Drywall, concrete
Exterior Walls	<ul style="list-style-type: none"> Concrete, glass

Potable water is provided to the Site buildings through the municipal water distribution system and sanitary wastewater is discharged into individual septic tanks. Electrical service to the Site buildings is supplied by the local hydroelectric utility company. Lighting in the buildings is supplied by metal halide fixtures, fluorescent light fixtures, and incandescent light fixtures.

No other buildings or structures were observed at the time of the Site visit with the exception of small storage sheds.

6.1.3 Limitations at the Site

At the time of the Site visit, the ground surface of the Site was snow covered, which obstructed observations of the ground surface at the time of the Site visit.

In addition, the residential properties at 5, 10, 15, 20, 55, and 70 Archerhill Court were not accessed as part of the Phase I Site visit.

6.1.4 Chemical Inventory, Storage and Handling

At the time of the Site visit, each residential property was storing general cleaning and maintenance supplies, such as cleaning agents.

6.1.5 Storage Tanks and Containers

The presence/absence and condition (if present) of Underground Storage Tanks (USTs) and Aboveground Storage Tanks (ASTs) at the Site were assessed during the Site visit.

No evidence of the presence of USTs (i.e. fill and vent pipes) or ASTs were identified at the time of the Site visit.

6.1.6 Special Attention Substances

6.1.6.1 Polychlorinated Biphenyls (PCBs)

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 Site. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Recent scientific research has indicated the potential presence of PCBs in window caulking material. A review of the Site was conducted to evaluate the potential presence of PCBs-containing equipment in use or stored at the Site.

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.

Four (4) pad-mounted transformers were observed on Site along Archerhill Court. No staining was observed on the concrete pad beneath the transformers and the concrete was in good condition.

No other items potentially containing PCBs were observed during the Site visit.

6.1.6.2 Asbestos-Containing Materials (ACMs)

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 (OHS). Under OHS, 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 friable asbestos can still be found in recently constructed buildings.

Based on the age of the Site buildings (circa 1988), the potential for asbestos to be present in the Site buildings in the form of vinyl floor tiling, ceiling tiling, and pipe insulations is considered unlikely.

6.1.6.3 Ozone Depleting Substances (ODSs)

Chlorofluorocarbons (CFCs) often referred to as Freons, ceased production in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and a total ban on their use is proposed for 2020. The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

The use of the hydrochlorofluorocarbon HCFC (R-22), commonly found in air conditioning and refrigeration equipment, is not currently regulated however, strict controls over the manufacture and supply of this compound are in place. The Environmental Protection Act specifies various re-fill restrictions for chillers and large refrigeration equipment (compressors with a total capacity greater than 22kW) with certain exceptions.

Domestic refrigerators were observed in all residential buildings. The refrigerant in these units may contain chlorofluorocarbon (CFC) or hydrochlorofluorocarbons (HCFC), both of which are recognized as Ozone Depleting Substances (ODSs).

No other items potentially containing ODSs were observed during the Site visit.

Under the management of a licensed contractor, the subject systems do not represent a significant threat to human health or the environment. However, if present, CFCs will require replacement by 2030 and as such consideration should be given to future phase out programs. Maintenance of refrigerant containing equipment, if any, should continue to be completed in compliance with Ontario Regulation 189/94 by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor

6.1.6.4 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinsplate 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 buildings (circa 1988), the potential for lead-based paints to be present within the Site buildings is considered to be unlikely. The painted surfaces in the buildings were observed in good condition.

6.1.6.5 Urea Formaldehyde Foam Insulation (UFFI)

UFFI was formerly sprayed into cavities of walls and above ceilings as an insulating material. UFFI has been discontinued from commercial use since the early 1980s.

No evidence of UFFI was noted during EXP's Site visit.

6.1.6.6 Mercury

Mercury was used 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 buildings (circa 1988), the potential for mercury-based paints to be present within the Site buildings is considered unlikely. The painted surfaces in the building were observed in good condition.

6.1.6.7 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 present, 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 Ontario 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 mould or staining was observed in any of the residential buildings at the time of EXP's Site visit.

6.1.6.8 Radon

Radon is a colorless, 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/m³). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m³ in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

A radon gas assessment was beyond the scope of this Phase I ESA, and as such, radon gas was not assessed. Indoor air sampling is required to further assess radon concentrations at the Site.

6.1.6.9 Other Substances

No other special attention substances were suspected to be present at the Site at the time of this Phase I ESA.

6.1.7 Unidentified Substances

No unidentified substances were suspected to be present at the Site at the time of this Phase I ESA.

6.1.8 Drains and Sumps

Floor drains were observed in the basements of the residential homes.

Sumps were observed in each residential home at the time of the Site visit. The sumps appeared to be in good condition, with no free product observed within the sump pits.

6.1.9 Building Heating and Cooling Systems

Each residential home was heated and cooled through a natural gas fired furnace and air-conditioning unit.

6.1.10 Mechanical Equipment

No mechanical equipment was observed at the time of this Phase I ESA.

6.1.11 Air Emissions

Air emissions in Ontario are regulated under the Environmental Protection Act (EPA) and its Regulations (O.Reg. 419/05, O.Reg. 245/11). Owners and operators of activities that may discharge a contaminant into the natural environment must seek approval from the Ministry of the Environment (ministry) to carry out these activities. As of October 31, 2011 amendments to the EPA resulted in a two path environmental approval process, the Environmental Compliance Approval (ECA) and Environmental Activity and Sector Registry (EASR). The EASR allows businesses to register certain activities with the ministry, rather than apply for approvals. The EASR is for common systems and processes, currently for heating systems, standby power systems and automotive refinishing, to which preset rules of operation can be applied. Unless explicitly exempted, most industrial processes or modification to industrial processes and equipment require an ECA, formerly a Certificate of Approval (Air and Noise). Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a Certificate of Approval was added to the EPA. The EPA provides a list of specific equipment and conditions, which are exempt from approval 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]).

Based on the residential use at the Site, there were no activities occurring that would warrant the need for an ECA.

6.1.12 Odour and Noise

No odour or excessive noise was noted at the Site during the Site visit.

6.1.13 Sewage and Wastewater Disposal

Each residential property is connected to their own individual septic tank system.

6.1.14 Liquid Chemical Waste Generation, Storage & Disposal

At the time of the Site visit, no liquid waste was generated on-Site.

6.1.15 Solid Waste Generation, Storage & Disposal

At the time of the Site visit, solid waste was generated on Site and stored by each individual residence. According to one of the homeowners, the garbage is collected on a once a week basis by the Town of Aurora.

6.1.16 Topographic, Geologic and Hydrogeologic Conditions

Topographic, geologic and hydrogeologic conditions for the Site and the general area surrounding the Site are discussed in Section 4.2 and 4.9 of this report.

6.1.17 Water Courses, Ditches and Site Drainage

Water is expected to drain towards the drainage ditches on either side of Archerhill Court or penetrate the ground surface of the Site.

6.1.18 Abandoned and Existing Wells

Three (3) existing monitoring wells were observed on-Site during the Site reconnaissance. Ontario Well records were searched for the Site and surrounding areas. Two (2) wells were identified on the Site.

6.1.19 Potable Water Sources

The Site is currently connected to a municipal water source at the time of the Site visit.

6.1.20 Fill Materials

Based on the review of the Geotechnical Report conducted by EXP in 2021, fill was observed under the topsoil in various boreholes across the Site. The fill extends to depths of approximately 0.7 to 3.6 m below ground surface. The fill comprises of brown to dark silty clay with trace sand, trace gravel and occasional rootlets. The fill was likely reworked native soils.

6.1.21 Stained Materials

No staining of any materials was observed at the Site during the time of the Site visit.

6.1.22 Stressed Vegetation

No stressed vegetation was observed on the Site at the time of the Site visit, however; it should be noted the Site visit was conducted during the winter months when vegetation is seasonally dormant.

6.1.23 Roads, Parking Facilities and Right of Ways

The Site can be accessed by Archerhill Court, approximately 95 m west of the intersection at Wandorf Sideroad and Bayview Avenue.

6.1.24 Pits and Lagoons

Sump pits were observed in the basements of all residential properties. The pits appeared to be in good condition, with no free product observed within the pits.

No lagoons were observed on the Site at the time of the Phase I ESA.

6.1.25 Other Issues

No other issues were identified during this Phase I ESA.

6.2 Neighbouring Properties

The condition of the adjacent properties was observed at the time of EXP's Site visit. The findings of the visual reconnaissance of the adjacent properties indicated primarily residential occupancy surrounding the Site. The tenants of the adjacent properties are listed in the following table:

Direction	Address	Occupants
North	7 – 35 Colyton Court	Residential
East	4 – 72 Vines Place	Residential
South	6 – 102 Monkman Court	Residential
West	N/A	Wooded Area

7 Conclusions and Recommendations

Based on the Phase I ESA findings, including Site observations, information provided by the Site representative, the review of environmental databases, available historical information, and information provided by the Technical Standards and Safety Authority (TSSA) and information pending from the Ministry of the Environment, Parks and Conservation (MECP), no issues of potential environmental concern were identified for the Site, and no further work is recommended for the Site at this time.

8 Qualifications of Assessors

The records review and Site visit were conducted by Mr. Martin Hluchaniuk, B.A., who has been trained to conduct Phase I and II environmental site assessments (in accordance with the applicable CSA Standards and O.Reg. 153/04). Mr. Hluchaniuk completed a Bachelor of Arts in Geography and Environmental Studies from McMaster University and a post graduate certificate in Environmental Management and Assessment from Niagara College.

This Phase I ESA was reviewed by Mr. Jason Slidders. Mr. Slidders has over 20 years of experience and is a Senior Project Manager in EXP's Brampton Office and has been with EXP since 2014 (previously with Trow Associates Inc. from 2000 to 2009). Jason obtained his Environmental Technologist Diploma in 1997 from Loyalist College of Applied Arts in Belleville, Ontario. He is an experienced senior technologist, having worked on a variety of environmental assessment, remediation, risk assessment and demolition projects in the past, as well as on numerous hazardous materials and mould assessment and abatement projects. His current responsibilities include the project management, reporting, QA/QC and client liaison with a multitude of clients (private and public sectors). Jason is a Licensed Engineering Technologist (L.E.T.) who manages and coordinates Phase I, II and III Environmental Site Assessments (ESAs), in-situ and ex-situ remediations, risk assessments, demolitions and hazardous materials/designated substances surveys/abatement.

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

9 References

1. Canadian Standards Association. November 2001. Z768-0 Phase I Environmental Site Assessment.
2. Occupational Health and Safety Act - Ministry of Labour (MOL).
3. "Toporama"; Natural Resources Canada. Map 030L14 – WELLAND. Scale 1:17,500. 2008.
4. "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
5. "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.
6. Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
7. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
8. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
9. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
10. Hazardous Waste Information Systems (HWIS, 1986-2005).
11. Ontario Ministry of the Environment, Brownfields Registry website (www.ene.gov.on.ca/envirnet/BESR/index.htm).
12. Ontario Well Records database, interactive map (<https://www.ontario.ca/environment-and-energy/map-well-records>).
13. Database Report, Phase I ESA, 5 – 65 Archerhill Court, Aurora, ON Environmental Risk Information Services Ltd. (ERIS Ltd.) Order Number: 21021700335, dated February 22nd, 2021.
14. Preliminary Geotechnical Investigation, Residential Subdivision Development, 5 – 65 Archerhill Court, Aurora, ON, Dated January 22, 2021, EXP Services Inc.

10 Limitations and Use of Report

BASIS OF REPORT

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

Where applicable, recommended field services are the minimum necessary to ascertain that construction is being carried out in general conformity with building code guidelines, generally accepted practices and EXP’s recommendations. Any reduction in the level of services recommended will result in EXP providing qualified opinions regarding the adequacy of the work. EXP can assist design professionals or contractors retained by the Client to review applicable plans, drawings, and specifications as they relate to the Report or to conduct field reviews during construction.

RELIANCE ON INFORMATION PROVIDED

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

STANDARD OF CARE

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

COMPLETE REPORT

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

USE OF REPORT

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

REPORT FORMAT

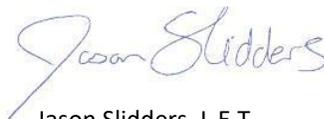
Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic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

We trust this report satisfies your immediate requirements. If you have any questions regarding the information in this report, please do not hesitate to contact this office.

EXP Services Inc.



Martin Hluchaniuk, B.A.
Environmental Technician
Environmental Services

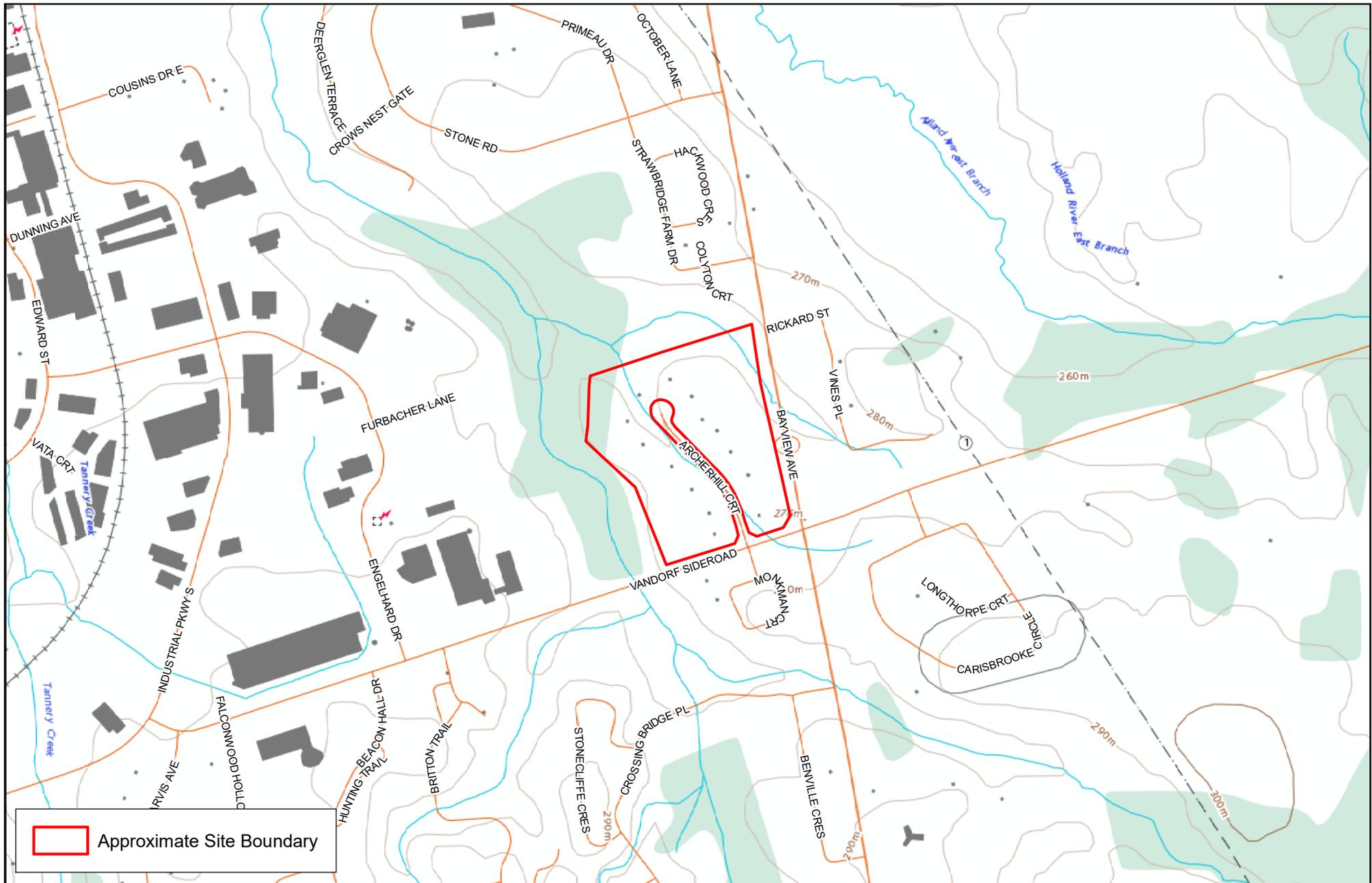


Jason Slidders, L.E.T.
Senior Project Manager
Environmental Services

EXP Services Inc.

5 – 70 Archerhill Court, Aurora, Ontario
Phase I Environmental Site Assessment
BRM-21000267-B0
February 26, 2021

Figures



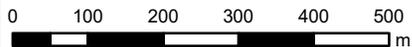
 Approximate Site Boundary

EXP Services Inc.

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 Brampton, ON L6T 4V1
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TITLE AND LOCATION:

SITE LOCATION PLAN
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	1

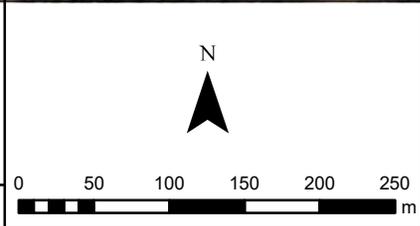


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PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	3

PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	3

EXP Services Inc.

5 – 70 Archerhill Court, Aurora, Ontario
Phase I Environmental Site Assessment
BRM-21000267-B0
February 26, 2021

Appendix A – Site Photographs



Photo 1: View of the typical sump pit and sump pump observed in all residential properties accessed on Site.



Photo 2: View of the typical natural gas fired furnace observed in all residential properties accessed on Site.



Photo 3: View of the typical hot water tank observed in all residential properties accessed on Site.



Photo 4: View of one of four pad-mounted transformers observed on Site.



Photo 5: View of 5 Archerhill Court.



Photo 6: View of 25 Archerhill Court.



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**SITE
PHOTOGRAPHS**

PROJ. NO: BRM-21000267-B0

Phase I ESA
5—70 Archerhill Court
Aurora, ON

SCALE: NTS

DRAWN: MH

CHECKED: JS

FIGURE

A-1

FEB 2021



Photo 7: View of 30 Archerhill Court.



Photo 8: View of 40 Archerhill Court.



Photo 9: View of 45 Archerhill Court.



Photo 10: View of 50 Archerhill Court.



Photo 11: View of 65 Archerhill Court.



Photo 12: View of the typical fenced in backyard of the residential properties.



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**SITE
PHOTOGRAPHS**

PROJ. NO: BRM-21000267-B0

Phase I ESA
5—70 Archerhill Court
Aurora, ON

SCALE: NTS

DRAWN: MH

CHECKED: JS

FIGURE

A-2

FEB 2021

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February 26, 2021

Appendix B – Aerial Photographs



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N




0 50 100 150 200 250 m

TITLE AND LOCATION:
1954 AERIAL PHOTOGRAPH
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No.: BRM-21000267-B0	OWN: AC
SCALE: AS NOTED	CHKD: JS
DATE: FEBRUARY 2021	FIG. No.: B1



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TITLE AND LOCATION:

1970 AERIAL PHOTOGRAPH
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 5 - 70 Archerhill Court
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PROJECT No:	BRM-21000267-B0	OWN:	AC
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DATE:	FEBRUARY 2021	FIG. No.:	B2



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TITLE AND LOCATION:

1978 AERIAL PHOTOGRAPH
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	B3



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TITLE AND LOCATION:

1988 AERIAL PHOTOGRAPH
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	B4



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TITLE AND LOCATION:

1995 AERIAL PHOTOGRAPH
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No.:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	B5



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TITLE AND LOCATION:

2011 AERIAL PHOTOGRAPH
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	B6



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TITLE AND LOCATION:

2020 AERIAL PHOTOGRAPH
 Phase I Environmental Site Assessment
 5 - 70 Archerhill Court
 Aurora, Ontario

PROJECT No:	BRM-21000267-B0	OWN:	AC
SCALE:	AS NOTED	CHKD:	JS
DATE:	FEBRUARY 2021	FIG. No.:	B7

EXP Services Inc.

5 – 70 Archerhill Court, Aurora, Ontario
Phase I Environmental Site Assessment
BRM-21000267-B0
February 26, 2021

Appendix C – Regulatory Correspondence



Facsimile Transmittal

To:	Ministry of the Environment	Date:	February 18 th , 2021
	Freedom of Information Office	Fax #:	1-416-314-4285
Subject:	Freedom of Information Request		
Sender:	Martin Hluchaniuk	Pages:	3

Good day,

Please find enclosed a Freedom of Information Request for the properties at 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 Archerhill Court, Aurora, ON (all one Site), with the associated form and payment.

Should you have any questions, please feel free to contact me by email martin.hluchaniuk@exp.com, or by phone 905-519-0105.

Regards,



Martin Hluchaniuk

EXP | Environmental Technician

t : +1.905.525.6069 | m : +1.905.519.0105 | e : martin.hluchaniuk@exp.com

1266 South Service Road

Unit C1-1

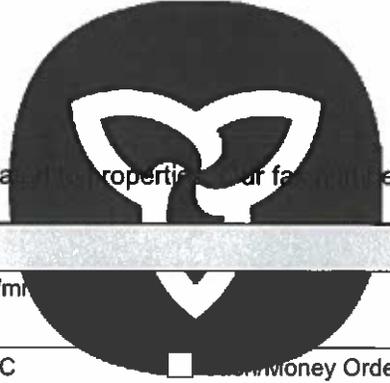
Stoney Creek, ON L8E 5R9

CANADA

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In Ontario, this form is required to be filled out by individuals in the province's environment and climate change sectors relating to property or family information.
16 314-42



For Ministry Use Only

Form Number	Date Request Received (yyyy/mm)
Fee Paid	<input type="checkbox"/> Cheque <input type="checkbox"/> VISA/MC <input type="checkbox"/> Money Order

- CNR
 ER
 NOR
 SWR
 WCR
 IEB
 EAA
 EMR
 SCB
 SDW

1. Requester Data

Last Name Hluchaniuk	First Name Martin	Middle Initial
Title Mr.	Company Name EXP Services Inc.	

Mailing Address

Unit Number C1-1	Street Number 1266	Street Name South Service Road	PO Box
City/Town Stoney Creek		Province Ontario	Postal Code L8E 5R9
Email Address martin.hluchaniuk@exp.com		Telephone Number 905-519-0105	Fax Number 905-573-9693

Project/Reference Number BRM-21000267-B0	Signature of Requester
---	----------------------------

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)

Unit Number	Street Number 5 - 70	Street Name Archerhill Court	PO Box
Lot Number	Concession	Geographic Township	
City/Town/Village Aurora		Province Ontario	Postal Code

Present Property

Owner	Date of Ownership (yyyy/mm/dd)
Tenant (if applicable)	

Previous Property

Owner	Date of Ownership (yyyy/mm/dd)
Tenant (if applicable)	

3. Search Parameters

Search Parameters	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	1900 - Present
Orders	1900 - Present
Spills	1900 - Present
Investigations/prosecutions ► Owner and tenant information must be provided	1900 - Present
Waste Generator number/classes	1900 - Present

Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

Environmental Compliance Approvals/Certificates of Approval	SD	Specify Year(s) Requested
air - emissions	<input type="checkbox"/>	1900 - Present
renewable energy	<input type="checkbox"/>	1900 - Present
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)	<input type="checkbox"/>	1900 - Present
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations	<input type="checkbox"/>	1900 - Present
waste water - industrial discharge	<input type="checkbox"/>	1900 - Present
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites	<input type="checkbox"/>	1900 - Present
waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction	<input type="checkbox"/>	1900 - Present

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

Print Form

Clear Form

Luizza Jose

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Wednesday, February 17, 2021 2:48 PM
To: Martin Hluchaniuk
Subject: RE: Tank Search - Aurora, ON



CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at <https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392> and email the completed form to publicinformationsservices@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.

Thanks,



Sherees Thompson | Public Information Agent

Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org



From: Martin Hluchaniuk <Martin.Hluchaniuk@exp.com>
Sent: February 17, 2021 2:40 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Tank Search - Aurora, ON

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good Afternoon,

Could you please perform a tank search for the following properties in **Aurora, ON**:

- 5 Archerhill Court
- 10 Archerhill Court
- 15 Archerhill Court
- 20 Archerhill Court
- 25 Archerhill Court
- 30 Archerhill Court
- 35 Archerhill Court
- 40 Archerhill Court
- 45 Archerhill Court
- 50 Archerhill Court

Your assistance is greatly appreciated.

Regards,

Martin Hluchaniuk



Martin Hluchaniuk

EXP | Environmental Technician

t : +1.905.525.6069 | m : +1.905.519.0105 | e : martin.hluchaniuk@exp.com

1266 South Service Road

Unit C1-1

Stoney Creek, ON L8E 5R9
CANADA

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Luizza Jose

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Wednesday, February 17, 2021 4:07 PM
To: Martin Hluchaniuk
Subject: RE: Tank Search 2 - Aurora, ON



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Good afternoon,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at <https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392> and email the completed form to publicinformationsservices@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.

Thanks,



Sherees Thompson | Public Information Agent

Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org



From: Martin Hluchaniuk <Martin.Hluchaniuk@exp.com>
Sent: February 17, 2021 2:53 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Tank Search 2 - Aurora, ON

[CAUTION]: This email originated outside the organisation.
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Good Afternoon,

Could you please perform a tank search for the following properties in **Aurora, ON**:

- 55 Archerhill Court
- 60 Archerhill Court
- 65 Archerhill Court
- 70 Archerhill Court
- 200 Vandorf Sideroad
- 25 Furbacher Lane
- 35 Colyton Court
- 44 Vines Place
- 30 Carisbrooke Circle
- 102 Monkman Court

Your assistance is greatly appreciated.

Regards,

Martin Hluchaniuk



Martin Hluchaniuk

EXP | Environmental Technician

t : +1.905.525.6069 | m : +1.905.519.0105 | e : martin.hluchaniuk@exp.com

1266 South Service Road

Unit C1-1
Stoney Creek, ON L8E 5R9
CANADA

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EXP Services Inc.

5 – 70 Archerhill Court, Aurora, Ontario
Phase I Environmental Site Assessment
BRM-21000267-B0
February 26, 2021

Appendix D – ERIS Report



DATABASE REPORT

Project Property: *Phase I ESA
5-65 Archerhill Court
Aurora ON L4G 6W9*

Project No: *BRM-21000267-B0*

Report Type: *Quote - Custom-Build Your Own Report*

Order No: *21021700335*

Requested by: *exp Services Inc.*

Date Completed: *February 22, 2021*

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Executive Summary

Property Information:

Project Property: *Phase I ESA
5-65 Archerhill Court Aurora ON L4G 6W9*

Project No: *BRM-21000267-B0*

Order Information:

Order No: *21021700335*

Date Requested: *February 17, 2021*

Requested by: *exp Services Inc.*

Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.15km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	6	6
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	0	0
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.15km	Total
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	1	1	2
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	1	2	3
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	9	10
Total:			3	19	22

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	SPL	Enbridge<UNOFFICIAL>	60 Archerhill Court Aurora ON	WNW/0.0	-2.20	15
1	PINC	ZEPPIERI GRADING & EXCAVATING	60 ARCHERHILL CRT,,AURORA,ON,L4G 6W9,CA ON	WNW/0.0	-2.20	15
2	WWIS		lot 76 con 1 ON <i>Well ID:</i> 6907432	NE/0.0	-1.64	16

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	WWIS		VANDORF SIDEROAD Aurora ON Well ID: 7159272	NE/12.5	-0.99	19
4	CA	999556 ONTARIO LIMITED	VANDORF SIDEROAD/MONKMAN COURT AURORA TOWN ON	SE/14.1	3.91	24
4	CA	999556 ONTARIO LIMITED	VANDORF SIDEROAD/ARCHERHILL CT AURORA TOWN ON	SE/14.1	3.91	25
5	CA	WMI WASTE MGT. OF CANADA INC.-LOTS 16&17	BAYVIEW AVE./VANDORF SIDEROAD AURORA TOWN ON	ESE/38.7	8.21	25
5	CA	999556 ONTARIO LIMITED	VANDORF RD/BAYVIEW AVE. AURORA TOWN ON	ESE/38.7	8.21	25
5	CA	999556 ONTARIO LIMITED	VANDORF RD/BAYVIEW AVE. AURORA TOWN ON	ESE/38.7	8.21	26
5	SPL	PUC	VANDORF SIDEROAD, 100 M WEST OF BAYVIEW AT THE VANDORF LIFT STATION. LIFT STATION AURORA TOWN ON	ESE/38.7	8.21	26
5	CA	2164437 Ontario Inc.	North-east corner of Bayview Ave. and Vandorf Sideroad Aurora ON	ESE/38.7	8.21	26
5	ECA	2164437 Ontario Inc.	North-east corner of Bayview Ave. and Vandorf Sideroad Aurora ON L4L 0A2	ESE/38.7	8.21	27
6	WWIS		14776 BAYVIEW AVENUE lot 16 con 2 AURORA ON Well ID: 7211278	NE/38.7	-0.54	27
7	WWIS		lot 75 con 1 ON Well ID: 6914962	S/39.7	4.79	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	WWIS		14726 BAYVIEW AVENUE Aurora ON <i>Well ID:</i> 7179689	NNE/73.1	-0.57	<u>32</u>
<u>9</u>	WWIS		VANDORF RD WEST OF BAYVIEW AVE AURORA ON <i>Well ID:</i> 6929237	SSW/78.1	-0.02	<u>35</u>
<u>10</u>	WWIS		lot 16 con 2 ON <i>Well ID:</i> 6907499	NE/95.7	0.88	<u>39</u>
<u>11</u>	WWIS		14575 BAYVIEW AVE. AURORA ON <i>Well ID:</i> 6930802	ESE/105.3	7.96	<u>42</u>
<u>12</u>	SPL	Enbridge Gas Distribution Inc.	99 Strawbridge Farm Dr Aurora ON	N/114.6	0.13	<u>45</u>
<u>12</u>	PINC	PIPELINE HIT - 2"	99 STRAWBRIDGE FARM DR,,AURORA, ON,L4G 0L2,CA ON	N/114.6	0.13	<u>45</u>
<u>13</u>	WWIS		lot 77 con 1 ON <i>Well ID:</i> 7210631	N/129.1	0.38	<u>46</u>
<u>14</u>	WWIS		lot 77 con 1 ON <i>Well ID:</i> 6916033	NNE/146.1	-0.02	<u>46</u>

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 6 CA site(s) within approximately 0.15 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
999556 ONTARIO LIMITED	VANDORF SIDEROAD/MONKMAN COURT AURORA TOWN ON	14.1	<u>4</u>
999556 ONTARIO LIMITED	VANDORF SIDEROAD/ARCHERHILL CT AURORA TOWN ON	14.1	<u>4</u>
2164437 Ontario Inc.	North-east corner of Bayview Ave. and Vandorf Sideroad Aurora ON	38.7	<u>5</u>
999556 ONTARIO LIMITED	VANDORF RD/BAYVIEW AVE. AURORA TOWN ON	38.7	<u>5</u>
999556 ONTARIO LIMITED	VANDORF RD/BAYVIEW AVE. AURORA TOWN ON	38.7	<u>5</u>
WMI WASTE MGT. OF CANADA INC.- LOTS 16&17	BAYVIEW AVE./VANDORF SIDEROAD AURORA TOWN ON	38.7	<u>5</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 1 ECA site(s) within approximately 0.15 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2164437 Ontario Inc.	North-east corner of Bayview Ave. and Vandorf Sideroad Aurora ON L4L 0A2	38.7	<u>5</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 2 PINC site(s) within approximately 0.15 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ZEPPIERI GRADING & EXCAVATING	60 ARCHERHILL CRT,,AURORA,ON,L4G 6W9,CA ON	0.0	<u>1</u>
PIPELINE HIT - 2"	99 STRAWBRIDGE FARM DR,,AURORA,ON, L4G 0L2,CA ON	114.6	<u>12</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 3 SPL site(s) within approximately 0.15 kilometers of the project property.

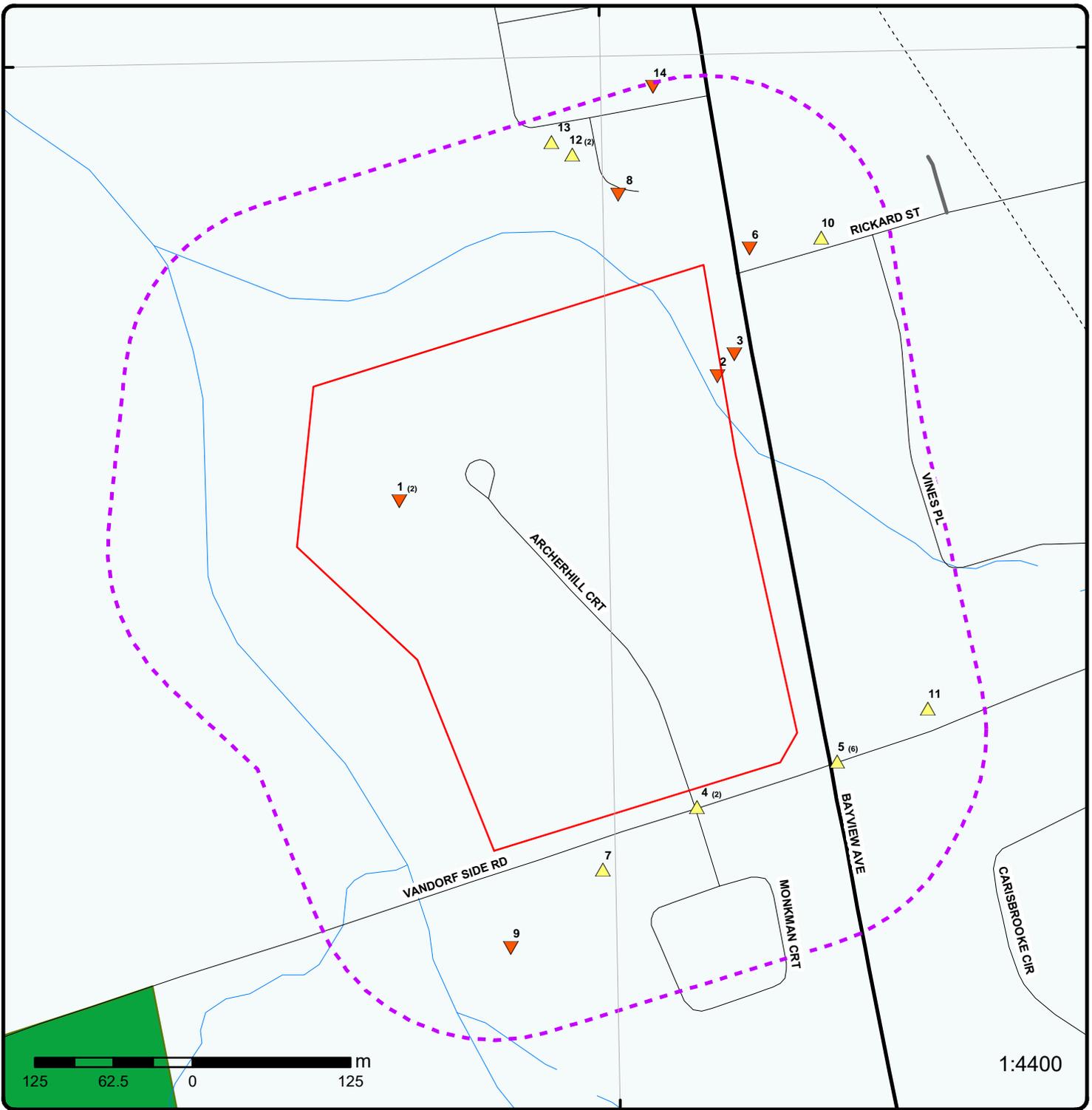
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge<UNOFFICIAL>	60 Archerhill Court Aurora ON	0.0	<u>1</u>
PUC	VANDORF SIDEROAD, 100 M WEST OF BAYVIEW AT THE VANDORF LIFT STATION. LIFT STATION AURORA TOWN ON	38.7	<u>5</u>
Enbridge Gas Distribution Inc.	99 Strawbridge Farm Dr Aurora ON	114.6	<u>12</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 10 WWIS site(s) within approximately 0.15 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 76 con 1 ON <i>Well ID:</i> 6907432	0.0	<u>2</u>
	VANDORF SIDEROAD Aurora ON	12.5	<u>3</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7159272		
	14776 BAYVIEW AVENUE lot 16 con 2 AURORA ON	38.7	<u>6</u>
	<i>Well ID:</i> 7211278		
	lot 75 con 1 ON	39.7	<u>7</u>
	<i>Well ID:</i> 6914962		
	14726 BAYVIEW AVENUE Aurora ON	73.1	<u>8</u>
	<i>Well ID:</i> 7179689		
	VANDORF RD WEST OF BAYVIEW AVE AURORA ON	78.1	<u>9</u>
	<i>Well ID:</i> 6929237		
	lot 16 con 2 ON	95.7	<u>10</u>
	<i>Well ID:</i> 6907499		
	14575 BAYVIEW AVE. AURORA ON	105.3	<u>11</u>
	<i>Well ID:</i> 6930802		
	lot 77 con 1 ON	129.1	<u>13</u>
	<i>Well ID:</i> 7210631		
	lot 77 con 1 ON	146.1	<u>14</u>
	<i>Well ID:</i> 6916033		



1:4400

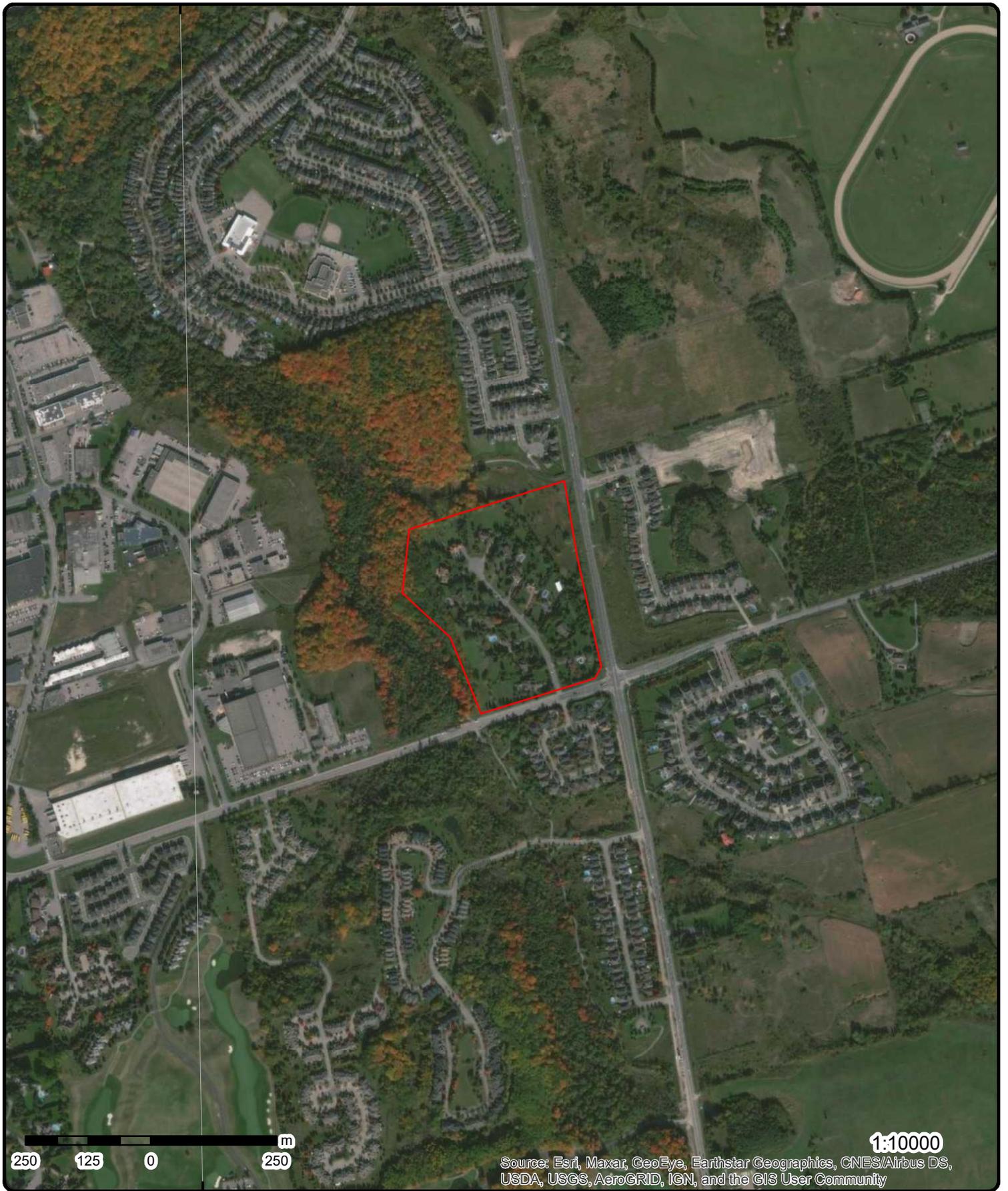
Map: 0.15 Kilometer Radius

Order Number: 21021700335

Address: 5-65 Archerhill Court, Aurora, ON



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



250 125 0 250 m

1:10000

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2019

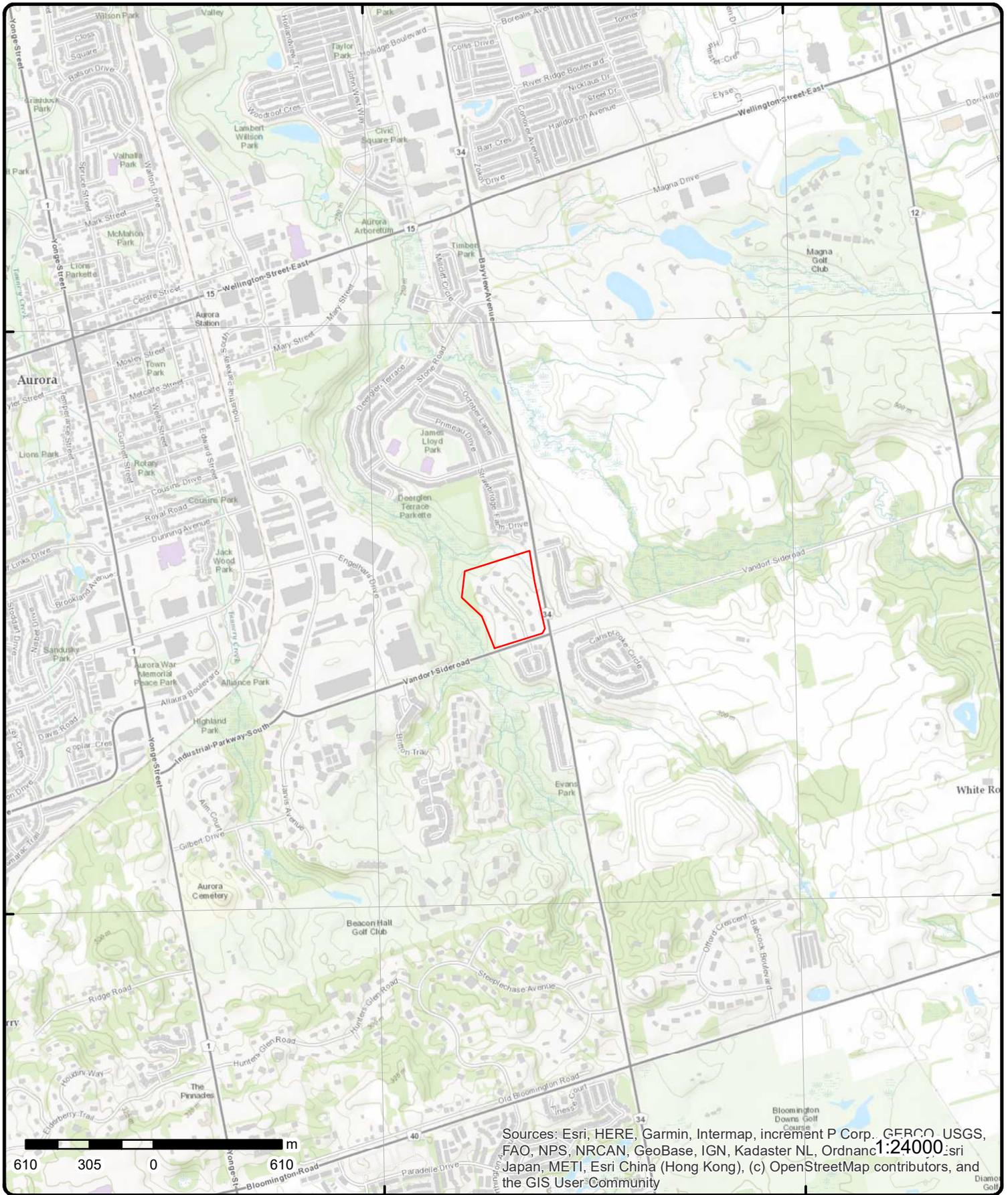
Address: 5-65 Archerhill Court, Aurora, ON

Source: ESRI World Imagery

Order Number: 21021700335



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Topographic Map

Address: 5-65 Archerhill Court, ON

Source: ESRI World Topographic Map

Order Number: 21021700335



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	WNW/0.0	269.2 / -2.20	Enbridge<UNOFFICIAL> 60 Archerhill Court Aurora ON	SPL
Ref No: 0547-9QKQAV Site No: NA Incident Dt: 2014/11/05 Year: Incident Cause: Leak/Break Incident Event: Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Confirmed Nature of Impact: Air Pollution Receiving Medium: Receiving Env: MOE Response: Referral to others Dt MOE Arvl on Scn: MOE Reported Dt: 2014/11/05 Dt Document Closed: Incident Reason: Operator/Human Error Site Name: residential<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSA: 1/2" line strike -made safe- Contaminant Qty: 0 n/a		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Pipeline/Components Agency Involved: Nearest Watercourse: Site Address: 60 Archerhill Court Site District Office: Site Postal Code: Site Region: Site Municipality: Aurora Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Source Type:			
1	2 of 2	WNW/0.0	269.2 / -2.20	ZEPPIERI GRADING & EXCAVATING 60 ARCHERHILL CRT,,AURORA,ON,L4G 6W9,CA ON	PINC
Incident ID: Incident No: 1513012 Incident Reported Dt: 11/5/2014 Type: FS-Pipeline Incident Status Code: Customer Acct Name: ZEPPIERI GRADING & EXCAVATING Incident Address: 60 ARCHERHILL CRT,,AURORA,ON,L4G 6W9,CA Tank Status: Pipeline Damage Reason Est Task No: 5243653 Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: 2015/02/18 Operation Type: Pipeline Type:		Fuel Category: Natural Gas Health Impact: Environment Impact: Property Damage: No Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location: Method Details: E-mail			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Regulator Type:					
Summary: 60 ARCHERHILL COURT, AURORA - PIPELINE HIT - 1/2"					
Reported By: Terry Regan - Enbridge					
Affiliation:					
Occurrence Desc:					
Damage Reason: No notification made to the one call center					
Notes:					

2	1 of 1	NE/0.0	269.8 / -1.64	lot 76 con 1 ON	WWIS
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Well ID:	6907432	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Livestock	Date Received:	9/21/1950
Sec. Water Use:	Domestic	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1439
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	YORK AND TORONT
Elevation (m):		Municipality:	AURORA TOWN (WHITCHURCH)
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	076
Well Depth:		Concession:	01
Overburden/Bedrock:		Concession Name:	YS E
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6907432.pdf

Bore Hole Information

Bore Hole ID:	10498127	Elevation:	269.688262
DP2BR:	100	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	h	East83:	625045.6
Code OB Desc:	Mixed in a Layer	North83:	4871874
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	6/6/1950	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	932738749
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		17			
Mat2 Desc:		SHALE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		100			
Formation End Depth:		122			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932738748			
Layer:		2			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932738747			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932738750			
Layer:		4			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		122			
Formation End Depth:		127			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		966907432			
Method Construction Code:		8			
Method Construction:		Jetting			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11046697			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930810595			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		121			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933389255			
Layer:		1			
Slot:		010			
Screen Top Depth:		121			
Screen End Depth:		126			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		996907432			
Pump Set At:					
Static Level:		27			
Final Level After Pumping:		80			
Recommended Pump Depth:					
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		16			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933990724			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		122			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth UOM:		ft			
3	1 of 1	NE/12.5	270.4 / -0.99	VANDORF SIDEROAD Aurora ON	WWIS
Well ID:		7159272		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received: 2/16/2011	
Sec. Water Use:				Selected Flag: Yes	
Final Well Status:		Observation Wells		Abandonment Rec:	
Water Type:				Contractor: 7423	
Casing Material:				Form Version: 7	
Audit No:		Z128437		Owner:	
Tag:		A077785		Street Name: VANDORF SIDEROAD	
Construction Method:				County: YORK AND TORONT	
Elevation (m):				Municipality: AURORA TOWN (WHITCHURCH)	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):					
<u>Bore Hole Information</u>					
Bore Hole ID:		1003476342		Elevation: 270.277496	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 17	
Code OB:				East83: 625059	
Code OB Desc:				North83: 4871891	
Open Hole:				Org CS: UTM83	
Cluster Kind:				UTMRC: 3	
Date Completed:				UTMRC Desc: margin of error : 10 - 30 m	
Remarks:				Location Method: wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003776478			
Layer:		8			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		53.09			
Formation End Depth:		60.3			
Formation End Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776477			
Layer:		7			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		47.91			
Formation End Depth:		53.09			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776475			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		25.2			
Formation End Depth:		37.97			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776476			
Layer:		6			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		37.97			
Formation End Depth:		47.91			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776473			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		19.66			
Formation End Depth:		22.02			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776471			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0			
Formation End Depth:		3.35			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776472			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		3.35			
Formation End Depth:		19.66			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776480			
Layer:		10			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		63.3			
Formation End Depth:		78.8			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003776479			
Layer:		9			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		60.3			
Formation End Depth:		63.3			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003776474			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		22.02			
Formation End Depth:		25.2			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003776494			
Layer:		3			
Plug From:		40.84			
Plug To:		2.2			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003776493			
Layer:		2			
Plug From:		72.85			
Plug To:		40.84			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003776495			
Layer:		4			
Plug From:		2.2			
Plug To:		0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003776492			
Layer:		1			
Plug From:		76.81			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		72.85			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003776490			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:		BORING			
<u>Pipe Information</u>					
Pipe ID:		1003776470			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003776485			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		76.81			
Depth To:		75.26			
Casing Diameter:		4.9			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1003776487			
Layer:		3			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		40.8			
Depth To:		-6			
Casing Diameter:		14.5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1003776486			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		73.73			
Depth To:		-1			
Casing Diameter:		4.9			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1003776488			
Layer:		4			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		.6			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Depth To:		-1.2			
Casing Diameter:		16			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003776489			
Layer:		1			
Slot:		010			
Screen Top Depth:		75.26			
Screen End Depth:		73.73			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.1			
<u>Water Details</u>					
Water ID:		1003776484			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003776482			
Diameter:		25.4			
Depth From:		40.84			
Depth To:		4.27			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1003776481			
Diameter:		13			
Depth From:		76.81			
Depth To:		40.84			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1003776483			
Diameter:		40			
Depth From:		2.27			
Depth To:		0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
4	1 of 2	SE/14.1	275.3 / 3.91	999556 ONTARIO LIMITED VANDORF SIDEROAD/MONKMAN COURT AURORA TOWN ON	CA
Certificate #:		7-0910-96-			
Application Year:		96			
Issue Date:		9/25/1996			
Approval Type:		Municipal water			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		Approved			
<u>4</u>	2 of 2	SE/14.1	275.3 / 3.91	999556 ONTARIO LIMITED VANDORF SIDEROAD/ARCHERHILL CT AURORA TOWN ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		3-1097-96- 96 9/25/1996 Municipal sewage Approved			
<u>5</u>	1 of 6	ESE/38.7	279.6 / 8.21	WMI WASTE MGT. OF CANADA INC.-LOTS 16&17 BAYVIEW AVE./VANDORF SIDEROAD AURORA TOWN ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		7-1452-91- 91 11/22/1991 Municipal water Approved			
<u>5</u>	2 of 6	ESE/38.7	279.6 / 8.21	999556 ONTARIO LIMITED VANDORF RD/BAYVIEW AVE. AURORA TOWN ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City:		3-0873-95- 95 7/17/1995 Municipal sewage Approved			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Client Postal Code: Project Description: Contaminants: Emission Control:					
5	3 of 6	ESE/38.7	279.6 / 8.21	999556 ONTARIO LIMITED VANDORF RD/BAYVIEW AVE. AURORA TOWN ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		7-0637-95-95 7/17/1995 Municipal water Approved			
5	4 of 6	ESE/38.7	279.6 / 8.21	PUC VANDORF SIDEROAD, 100 M WEST OF BAYVIEW AT THE VANDORF LIFT STATION. LIFT STATION AURORA TOWN ON	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:		171631 // WASTEWATER DISCHARGE TO WATERCOURSE POSSIBLE Water course or lake WATER EQUIPMENT FAILURE AURORA PUBLIC WORKS -LIFTSTATION BYPASS & ALARM FAILED, DISCHARGE CREEK.			
Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:		27401 HEALTH UNIT			
5	5 of 6	ESE/38.7	279.6 / 8.21	2164437 Ontario Inc. North-east corner of Bayview Ave. and Vandorf Sideroad Aurora ON	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		2311-7U6JNC 2009 12/14/2009 Municipal and Private Sewage Works Approved			

5	6 of 6	ESE/38.7	279.6 / 8.21	2164437 Ontario Inc. North-east corner of Bayview Ave. and Vandorf Sideroad Aurora ON L4L 0A2	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		2311-7U6JNC 2009-12-14 Approved ECA IDS Lakes Simcoe and Couchiching/Black River ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS North-east corner of Bayview Ave. and Vandorf Sideroad https://www.accessenvironment.ene.gov.on.ca/instruments/4197-7TRKHF-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	York-Durham -79.43791999999999 43.9889

6	1 of 1	NE/38.7	270.9 / -0.54	14776 BAYVIEW AVENUE lot 16 con 2 AURORA ON	WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:		7211278 Abandoned-Other Z180484		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	11/16/2013 Yes Yes 7147 7 14776 BAYVIEW AVENUE YORK AND TORONT AURORA TOWN (WHITCHURCH) 016 02 CON
PDF URL (Map):					
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR:		1004638774		Elevation: Elevrc:	274.24002

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:				East83:	625071
Code OB Desc:				North83:	4871975
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		10/30/2013	UTMRC Desc:		margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004904149			
Layer:		1			
Plug From:		0			
Plug To:		7.6			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1004904148			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004904142			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004904146			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		4.6			
Casing Diameter:		5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004904147			
Layer:		1			
Slot:					
Screen Top Depth:		4.6			
Screen End Depth:		7.6			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		1004904145			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		3.4			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004904144			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

7	1 of 1	S/39.7	276.2 / 4.79	lot 75 con 1 ON	WWIS
Well ID:	6914962			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	5/3/1979
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1663
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	YORK AND TORONT
Elevation (m):				Municipality:	AURORA TOWN (WHITCHURCH)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	075
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	YS E
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6914962.pdf

Bore Hole Information

Bore Hole ID:	10505532	Elevation:	280.387451
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	624954.6
Code OB Desc:	Overburden	North83:	4871483
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	10/26/1978	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			932773098		
Layer:			3		
Color:			3		
General Color:			BLUE		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			19		
Formation End Depth:			77		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			932773099		
Layer:			4		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			05		
Mat2 Desc:			CLAY		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			77		
Formation End Depth:			142		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			932773096		
Layer:			1		
Color:			8		
General Color:			BLACK		
Mat1:			02		
Most Common Material:			TOPSOIL		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0		
Formation End Depth:			1		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			932773097		
Layer:			2		
Color:			5		
General Color:			YELLOW		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:	1				
Formation End Depth:	19				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	966914962				
Method Construction Code:	2				
Method Construction:	Rotary (Convent.)				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	11054102				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930818639				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	129				
Casing Diameter:	5				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
Screen ID:	933393517				
Layer:	1				
Slot:	010				
Screen Top Depth:	129				
Screen End Depth:	132				
Screen Material:					
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	5				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	996914962				
Pump Set At:					
Static Level:	29				
Final Level After Pumping:	125				
Recommended Pump Depth:	110				
Pumping Rate:	15				
Flowing Rate:					
Recommended Pump Rate:	10				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	No				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

Pump Test Detail ID: 934367040
Test Type: Recovery
Test Duration: 15
Test Level: 29
Test Level UOM: ft

Water Details

Water ID: 933998154
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 105
Water Found Depth UOM: ft

8	1 of 1	NNE/73.1	270.8 / -0.57	14726 BAYVIEW AVENUE Aurora ON	WWIS
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Well ID: 7179689	Data Entry Status:
Construction Date:	Data Src:
Primary Water Use: Monitoring and Test Hole	Date Received: 4/18/2012
Sec. Water Use: 0	Selected Flag: Yes
Final Well Status: Monitoring and Test Hole	Abandonment Rec:
Water Type:	Contractor: 7247
Casing Material:	Form Version: 7
Audit No: Z140554	Owner:
Tag: A132600	Street Name: 14726 BAYVIEW AVENUE
Construction Method:	County: YORK AND TORONT
Elevation (m):	Municipality: AURORA TOWN (WHITCHURCH)
Elevation Reliability:	Site Info:
Depth to Bedrock:	Lot:
Well Depth:	Concession:
Overburden/Bedrock:	Concession Name:
Pump Rate:	Easting NAD83:
Static Water Level:	Northing NAD83:
Flowing (Y/N):	Zone:
Flow Rate:	UTM Reliability:
Clear/Cloudy:	

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7179689.pdf

Bore Hole Information

Bore Hole ID: 1003711985	Elevation: 272.126678
DP2BR:	Elevrc:
Spatial Status:	Zone: 17
Code OB:	East83: 624967
Code OB Desc:	North83: 4872018
Open Hole:	Org CS: UTM83
Cluster Kind:	UTMRC: 4
Date Completed: 3/7/2012	UTMRC Desc: margin of error : 30 m - 100 m
Remarks:	Location Method: wwr
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1004258386		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			06		
Mat2 Desc:			SILT		
Mat3:			73		
Mat3 Desc:			HARD		
Formation Top Depth:			15		
Formation End Depth:			35		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1004258385		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			06		
Mat2 Desc:			SILT		
Mat3:			73		
Mat3 Desc:			HARD		
Formation Top Depth:			10		
Formation End Depth:			15		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1004258383		
Layer:			1		
Color:					
General Color:					
Mat1:			02		
Most Common Material:			TOPSOIL		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0		
Formation End Depth:			8		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1004258384		
Layer:			2		
Color:			6		
General Color:			BROWN		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			06		
Mat2 Desc:			SILT		
Mat3:			73		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:		HARD			
Formation Top Depth:		8			
Formation End Depth:		10			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004258394			
Layer:		1			
Plug From:		0			
Plug To:		23			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004258393			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004258382			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004258389			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		25			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1004258390			
Layer:		1			
Slot:		20			
Screen Top Depth:		25			
Screen End Depth:		35			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.125			
<u>Water Details</u>					
Water ID:		1004258388			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		29			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1004258387			
Diameter:		6			
Depth From:		0			
Depth To:		35			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

9	1 of 1	SSW/78.1	271.4 / -0.02	VANDORF RD WEST OF BAYVIEW AVE AURORA ON	WWIS
Well ID:	6929237			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	8/3/2005
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	1129
Casing Material:				Form Version:	3
Audit No:	Z27863			Owner:	
Tag:	A026653			Street Name:	VANDORF RD WEST OF BAYVIEW AVE
Construction Method:				County:	YORK AND TORONT
Elevation (m):				Municipality:	AURORA TOWN (WHITCHURCH)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6929237.pdf				

Bore Hole Information

Bore Hole ID:	11328206	Elevation:	270.818603
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	624882
Code OB Desc:	Overburden	North83:	4871421
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	2/4/2005	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	933038497
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:		CLAY			
Mat2 Desc:		06			
Mat3:		SILT			
Mat3 Desc:		66			
Formation Top Depth:		DENSE			
Formation End Depth:		3.05			
Formation End Depth UOM:		4.7			
		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933038502			
Layer:		8			
Color:		2			
General Color:		GREY			
Mat1:		10			
Most Common Material:		COARSE SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		31			
Mat3 Desc:		COARSE GRAVEL			
Formation Top Depth:		75.91			
Formation End Depth:		85.37			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933038501			
Layer:		7			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		34			
Mat2 Desc:		TILL			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		54.1			
Formation End Depth:		75.91			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933038498			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		4.7			
Formation End Depth:		36.25			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		933038499			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:		77			
Mat2 Desc:		LOOSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		36.25			
Formation End Depth:		42.56			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933038495			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		0			
Formation End Depth:		1.28			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933038500			
Layer:		6			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		34			
Mat2 Desc:		TILL			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		42.56			
Formation End Depth:		54.1			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933038496			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.28			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		3.05			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933273894			
Layer:		1			
Plug From:		0			
Plug To:		47			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933273892			
Layer:		3			
Plug From:		79.3			
Plug To:		85.37			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933273893			
Layer:		2			
Plug From:		0			
Plug To:		79.3			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966929237			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11343061			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930873187			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		47			
Casing Diameter:		13			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930873188			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-.2			
Depth To:		82.4			
Casing Diameter:		5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933413911			
Layer:		1			
Slot:		10			
Screen Top Depth:		82.4			
Screen End Depth:		83.8			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.1			
<u>Water Details</u>					
Water ID:		934062787			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		27.49			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11549328			
Diameter:		20			
Depth From:		0			
Depth To:		47			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		11549329			
Diameter:		13			
Depth From:		47			
Depth To:		85.37			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
10	1 of 1	NE/95.7	272.3 / 0.88	lot 16 con 2 ON	WWIS
Well ID:	6907499			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Livestock			Date Received:	5/25/1951
Sec. Water Use:	Domestic			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1622
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	YORK AND TORONT
Elevation (m):				Municipality:	AURORA TOWN (WHITCHURCH)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Site Info: Lot: 016 Concession: 02 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6907499.pdf			

Bore Hole Information

Bore Hole ID:	10498194	Elevation:	275.990509
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	625127.6
Code OB Desc:	Overburden	North83:	4871984
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	7/30/1950	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	932739083
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	92
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	932739084
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	92
Formation End Depth:	125
Formation End Depth UOM:	ft

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966907499			
Method Construction Code:		8			
Method Construction:		Jetting			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11046764			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930810668			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:		92			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930810669			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		120			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933389297			
Layer:		1			
Slot:		007			
Screen Top Depth:		120			
Screen End Depth:		125			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		996907499			
Pump Set At:					
Static Level:		55			
Final Level After Pumping:		55			
Recommended Pump Depth:		100			
Pumping Rate:					
Flowing Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Rate:		7			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933990781			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		125			
Water Found Depth UOM:		ft			

11	1 of 1	ESE/105.3	279.4 / 7.96	14575 BAYVIEW AVE. AURORA ON	WWIS
Well ID:		6930802		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received: 10/27/2006	
Sec. Water Use:				Selected Flag: Yes	
Final Well Status:		Observation Wells		Abandonment Rec:	
Water Type:				Contractor: 6607	
Casing Material:				Form Version: 3	
Audit No:		Z54984		Owner:	
Tag:		A033984		Street Name: 14575 BAYVIEW AVE.	
Construction Method:				County: YORK AND TORONT	
Elevation (m):				Municipality: AURORA TOWN (WHITCHURCH)	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/693\6930802.pdf			

Bore Hole Information

Bore Hole ID:	11696046	Elevation:	279.18576
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	625212
Code OB Desc:	Overburden	North83:	4871611
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	10/6/2006	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933083228			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		4			
Formation End Depth:		8			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933083225			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		.3			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933083227			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.5			
Formation End Depth:		4			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933083226			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:					
Mat3 Desc:					
Formation Top Depth:		.3			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933308735			
Layer:		1			
Plug From:		0			
Plug To:		4.2			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		966930802			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11700912			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930892508			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		5.5			
Casing Diameter:		8.9			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933421777			
Layer:		1			
Slot:		20			
Screen Top Depth:		5			
Screen End Depth:		8			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.4			
<u>Water Details</u>					
Water ID:		934082240			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		7.8			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11760324			
Diameter:		21			
Depth From:		0			
Depth To:		8			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

12	1 of 2	N/114.6	271.5 / 0.13	Enbridge Gas Distribution Inc. 99 Strawbridge Farm Dr Aurora ON	SPL
Ref No:	4134-AQ95UU			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	8/14/2017			Health/Env Conseq:	2 - Minor Environment Corporation
Year:				Client Type:	Miscellaneous Industrial
Incident Cause:				Sector Type:	
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	99 Strawbridge Farm Dr
Contaminant Limit 1:				Site District Office:	York-Durham
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Central
Environment Impact:				Site Municipality:	Aurora
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	4872064.86
MOE Response:	No			Easting:	624929.42
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	8/14/2017			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	Valve/Fitting/Piping
Site Name:	Site of line strike<UNOFFICIAL>				
Site County/District:	Regional Municipality of York				
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB; 2" pl main IP dmgd; made safe				
Contaminant Qty:	0 other - see incident description				

12	2 of 2	N/114.6	271.5 / 0.13	PIPELINE HIT - 2" 99 STRAWBRIDGE FARM DR,,AURORA,ON,L4G 0L2,CA ON	PINC
Incident ID:				Fuel Category:	
Incident No:	2136054			Health Impact:	
Incident Reported Dt:	8/15/2017			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	
Status Code:				Service Interrupt:	
Customer Acct Name:	PIPELINE HIT - 2"			Enforce Policy:	
Incident Address:	99 STRAWBRIDGE FARM DR,,AURORA,ON, L4G 0L2,CA			Public Relation:	
Tank Status:	Pipeline Damage Reason Est			Pipeline System:	
Task No:				Depth:	
Spills Action Centre:				Pipe Material:	
Fuel Type:				PSIG:	
Fuel Occurrence Tp:				Attribute Category:	
Date of Occurrence:				Regulator Location:	
Occurrence Start Dt:				Method Details:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:					

13	1 of 1	N/129.1	271.8 / 0.38	lot 77 con 1 ON	WWIS
Well ID:	7210631			Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	11/6/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	7147
Casing Material:				Form Version:	8
Audit No:	C22695			Owner:	
Tag:	A132600			Street Name:	
Construction Method:				County:	YORK AND TORONT
Elevation (m):				Municipality:	AURORA TOWN (WHITCHURCH)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	077
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	YS E
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004622051			Elevation:	274.667999
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	624914
Code OB Desc:				North83:	4872060
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	10/21/2013			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

14	1 of 1	NNE/146.1	271.4 / -0.02	lot 77 con 1 ON	WWIS
Well ID:	6916033			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/7/1981
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Contractor:	3108
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	YORK AND TORONT
Elevation (m):				Municipality:	AURORA TOWN (WHITCHURCH)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	077
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	YS E
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6916033.pdf

Bore Hole Information

Bore Hole ID:	10506576	Elevation:	275.023712
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	624994.6
Code OB Desc:	Overburden	North83:	4872103
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	11/3/1981	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932778576
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	102
Formation End Depth:	116
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932778573
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932778575			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18			
Formation End Depth:		102			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932778577			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		116			
Formation End Depth:		125			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932778574			
Layer:		2			
Color:		5			
General Color:		YELLOW			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		966916033			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Method Construction Code:</i>	2				
<i>Method Construction:</i>		Rotary (Convent.)			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		11055146			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930819798			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		118			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		933394258			
<i>Layer:</i>		1			
<i>Slot:</i>		008			
<i>Screen Top Depth:</i>		122			
<i>Screen End Depth:</i>		125			
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		ft			
<i>Screen Diameter UOM:</i>		inch			
<i>Screen Diameter:</i>		6			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		996916033			
<i>Pump Set At:</i>					
<i>Static Level:</i>					
<i>Final Level After Pumping:</i>		116			
<i>Recommended Pump Depth:</i>		115			
<i>Pumping Rate:</i>		30			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>					
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<u>Water Details</u>					
<i>Water ID:</i>		933999223			
<i>Layer:</i>		1			
<i>Kind Code:</i>		5			
<i>Kind:</i>		Not stated			
<i>Water Found Depth:</i>		116			
<i>Water Found Depth UOM:</i>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Unplottable Summary

Total: **24** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 17 Con 2E	Aurora ON	
AAGR		Lot 17 Con 2E	Aurora ON	
CA	CAT-TAIL INVESTMENTS INC.	STREETS A-H, BAYVIEW AVE.W.	AURORA TOWN ON	
CA	2164437 Ontario Inc.		Aurora ON	
CA	FERNBROOK HOMES (STONEBRIDGE) LIMITED	SWM-LOTS 74-75,C.1/BAYVIEW AVE	AURORA ON	
CA	BAYVIEW BUSINESS PARK INC.	BAYVIEW AVE. (SWM)	AURORA TOWN ON	
CA	ARCHERHILL INVESTMENTS LTD.	ARCHERILL COURT	AURORA TOWN ON	
CA	CAT-TAIL INVESTMENTS INC.	STREETS A-H, BAYVIEW AVE.N.	AURORA TOWN ON	
CA	CORPORATION OF THE TOWN OF AURORA	SOUTH SIDE OF VANDORF SIDE ROA	AURORA TOWN ON	
CA	999556 ONTARIO LIMITED	BENVILLE CRES./MONKMAN COURT	AURORA TOWN ON	
CA	610645 ONTARIO INC.	PT.LOTS 75&76/VANDORF RD.,SWM	AURORA TOWN ON	
CA	AURORA TOWN	VANDORF SIDEROAD SEW. P.S.	AURORA TOWN ON	
CA	999556 ONTARIO LIMITED	MONKMAN COURT/BENVILLE CRES.	AURORA TOWN ON	
CA	999556 ONTARIO LIMITED	PT.LOTS 74/75/CONC. 1 EYS, SWM	AURORA TOWN ON	
CA	999556 ONTARIO LIMITED	WATER BOOSTER P.S/VANDORF RD.	AURORA TOWN ON	
ECA	2164437 Ontario Inc.		Aurora ON	L4L 0A2
ECA	Knights Creek Home Corp.		Aurora ON	L4K 5T3

ECA	2164437 Ontario Inc.		Aurora ON	L4L 0A2
PTTW	The Alpen House	Lots 17, 18 and 19, Conc. 2	ON	
PTTW	Magna International Inc.	Lots 17- 19, Concession 2 EYS	ON	
SPL	Neelands Refrigeration Limited	Bayview Ave	Aurora ON	
SPL		South side of Vandorf Side Road, just west of Bayview Avenue<UNOFFICIAL>	Aurora ON	
WWIS		1457 BAYVIEW AVE lot 16 con 2	Aurora ON	
WWIS		lot 16	ON	

Unplottable Report

Site: Lot 17 Con 2E Aurora ON **Database:** AAGR

Type: Pit
Region/County: York
Township: Aurora
Concession: 2E
Lot: 17
Size (ha): 1
Landuse:
Comments: rehabilitated, Oak Ridges Moraine

Site: Lot 17 Con 2E Aurora ON **Database:** AAGR

Type: Pit
Region/County: York
Township: Aurora
Concession: 2E
Lot: 17
Size (ha): 10
Landuse:
Comments: Oak Ridges Moraine

Site: CAT-TAIL INVESTMENTS INC.
STREETS A-H, BAYVIEW AVE.W. AURORA TOWN ON **Database:** CA

Certificate #: 3-1179-93-
Application Year: 93
Issue Date: 10/22/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 2164437 Ontario Inc.
Aurora ON **Database:** CA

Certificate #: 8735-86VKL8
Application Year: 2010
Issue Date: 7/22/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: FERNBROOK HOMES (STONEBRIDGE) LIMITED
SWM-LOTS 74-75,C.1/BAYVIEW AVE AURORA ON

Database:
CA

Certificate #: 3-1788-98-
Application Year: 98
Issue Date: 11/30/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: BAYVIEW BUSINESS PARK INC.
BAYVIEW AVE. (SWM) AURORA TOWN ON

Database:
CA

Certificate #: 3-1197-95-
Application Year: 95
Issue Date: 8/28/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ARCHERHILL INVESTMENTS LTD.
ARCHERHILL COURT AURORA TOWN ON

Database:
CA

Certificate #: 7-0526-86-
Application Year: 86
Issue Date: 7/9/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CAT-TAIL INVESTMENTS INC.
STREETS A-H, BAYVIEW AVE.N. AURORA TOWN ON

Database:
CA

Certificate #: 7-0915-93-
Application Year: 93
Issue Date: 10/22/1993
Approval Type: Municipal water
Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CORPORATION OF THE TOWN OF AURORA
SOUTH SIDE OF VANDORF SIDE ROA AURORA TOWN ON

Database:
CA

Certificate #: 8-3130-96-
Application Year: 96
Issue Date: 6/25/1996
Approval Type: Industrial air
Status: Approved

Application Type:

Client Name:
Client Address:
Client City:

Client Postal Code:

Project Description: SEWAGE PUMPING STATION & DIESEL GENERAT.

Contaminants: Nitrogen Oxides

Emission Control:

Site: 999556 ONTARIO LIMITED
BENVILLE CRES./MONKMAN COURT AURORA TOWN ON

Database:
CA

Certificate #: 3-1046-96-
Application Year: 96
Issue Date: 9/25/1996
Approval Type: Municipal sewage
Status: Approved

Application Type:

Client Name:
Client Address:
Client City:

Client Postal Code:

Project Description:

Contaminants:

Emission Control:

Site: 610645 ONTARIO INC.
PT.LOTS 75&76/VANDORF RD.,SWM AURORA TOWN ON

Database:
CA

Certificate #: 3-1008-97-
Application Year: 97
Issue Date: 10/10/1997
Approval Type: Municipal sewage
Status: Revised

Application Type:

Client Name:
Client Address:
Client City:

Client Postal Code:

Project Description:

Contaminants:

Emission Control:

Site: AURORA TOWN
VANDORF SIDEROAD SEW. P.S. AURORA TOWN ON

Database:
CA

Certificate #: 3-0934-96-
Application Year: 96
Issue Date: 8/21/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 999556 ONTARIO LIMITED
MONKMAN COURT/BENVILLE CRES. AURORA TOWN ON

Database:
CA

Certificate #: 7-0877-96-
Application Year: 96
Issue Date: 9/25/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 999556 ONTARIO LIMITED
PT.LOTS 74/75/CONC. 1 EYS, SWM AURORA TOWN ON

Database:
CA

Certificate #: 3-0547-97-
Application Year: 97
Issue Date: 9/11/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 999556 ONTARIO LIMITED
WATER BOOSTER P.S/VANDORF RD. AURORA TOWN ON

Database:
CA

Certificate #: 7-0324-97-
Application Year: 97
Issue Date: 4/29/1997
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: 2164437 Ontario Inc.
Aurora ON L4L 0A2

Database:
ECA

Approval No: 8735-86VKL8
Approval Date: 2010-07-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6334-86RN2M-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: Knights Creek Home Corp.
Aurora ON L4K 5T3

Database:
ECA

Approval No: 0993-98LS37
Approval Date: 2013-06-27
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5225-95ZQVR-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: 2164437 Ontario Inc.
Aurora ON L4L 0A2

Database:
ECA

Approval No: 3752-86VKTE
Approval Date: 2010-07-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address:
Full Address:
Full PDF Link:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: The Alpen House
Lots 17, 18 and 19, Conc. 2 ON

Database:
PTTW

EBR Registry No: IA8E0767
Ministry Ref No: 94P3071
Notice Type: Instrument Decision
Notice Stage:
Notice Date: August 04, 1998
Proposal Date: June 01, 1998
Year: 1998
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: The Alpen House
Site Address:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Location Other:**Proponent Name:****Proponent Address:** 455 Magna Drive, Aurora Ontario, L4G 7A9**Comment Period:****URL:****Site Location Details:**

Lots 17, 18 and 19, Conc. 2

Site: Magna International Inc.
Lots 17- 19, Concession 2 EYS ON**Database:**
PTTW

EBR Registry No:	IA02E0330	Decision Posted:	
Ministry Ref No:	94-P-3071	Exception Posted:	
Notice Type:	Instrument Decision	Section:	
Notice Stage:		Act 1:	
Notice Date:	September 16, 2003	Act 2:	
Proposal Date:	May 08, 2002	Site Location Map:	
Year:	2002		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Magna International Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	The Alpen House, 455 Magna Drive, Aurora Ontario, L4G 7A9		
Comment Period:			
URL:			

Site Location Details:

Lots 17- 19, Concession 2 EYS

Site: Neelands Refrigeration Limited
Bayview Ave Aurora ON**Database:**
SPL

Ref No:	1607-98NJ8Z	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	14-JUN-13	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Leak/Break	Sector Type:	Valve/Fitting/Piping
Incident Event:		Agency Involved:	
Contaminant Code:	n/a	Nearest Watercourse:	
Contaminant Name:	REFRIGERANT GAS R12	Site Address:	Bayview Ave
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Possible	Site Municipality:	Aurora
Nature of Impact:	Air Pollution	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	NA
MOE Response:	No Field Response	Easting:	NA
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	NA
MOE Reported Dt:	14-JUN-13	Site Map Datum:	NA
Dt Document Closed:	05-JUL-13	SAC Action Class:	Air Spills - Gases and Vapours
Incident Reason:	Material Failure & Poor Design/Substandard Material	Source Type:	
Site Name:	Royal Canadian Superstore		
Site County/District:			
Site Geo Ref Meth:	NA		
Incident Summary:	Royal Cdn Superstore: R507 to atm, repaired		
Contaminant Qty:	181.6 kg		

Site:

South side of Vandorf Side Road, just west of Bayview Avenue<UNOFFICIAL> Aurora ON

Database:

SPL

Ref No:	8475-68TLN5	Discharger Report:	0
Site No:		Material Group:	Oil
Incident Dt:	1/20/2005	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Pipe Or Hose Leak	Sector Type:	Other
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:	SYNTHETIC OIL(S) N.O.S.	Site Address:	
Contaminant Limit 1:		Site District Office:	York-Durham
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Aurora
Nature of Impact:	Soil Contamination	Site Lot:	
Receiving Medium:	Land	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	1/20/2005	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spill to Land
Incident Reason:	Equipment Failure	Source Type:	
Site Name:	South side of Vandorf Side Road, just west of Bayview Avenue<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Durl Hopper Ltd, 30 L mineral oil to ground		
Contaminant Qty:			

Site:

1457 BAYVIEW AVE lot 16 con 2 Aurora ON

Database:

WWIS

Well ID:	7141520	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	3/17/2010
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Abandoned-Other	Abandonment Rec:	Yes
Water Type:		Contractor:	7314
Casing Material:		Form Version:	5
Audit No:	M03587	Owner:	
Tag:	A087673	Street Name:	1457 BAYVIEW AVE
Construction Method:		County:	YORK AND TORONT
Elevation (m):		Municipality:	AURORA TOWN
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	016
Well Depth:		Concession:	02
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1002949876	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	9
Date Completed:	3/10/2010	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1003285047
Layer: 1
Plug From: 0
Plug To: 6.8
Plug Depth UOM: m

**Method of Construction & Well
Use**

Method Construction ID: 1003285048
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Hole Diameter

Hole ID: 1003285046
Diameter: 15
Depth From: 0
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003285019
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 3/10/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 792628
North83: 4359272
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1003285023
Layer:
Plug From:
Plug To:
Plug Depth UOM:

**Method of Construction & Well
Use**

Method Construction ID: 1003285022

Method Construction Code:
Method Construction:
Other Method Construction: CFSSA

Pipe Information

Pipe ID: 1003285024
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003285026
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 6.1
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003285025
Layer:
Slot:
Screen Top Depth: 1.5
Screen End Depth: 6.1
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003285027
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003285021
Diameter: 15
Depth From:
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003285028
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 3/10/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 792630
North83: 4359429
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1003285032
Layer:
Plug From:
Plug To:
Plug Depth UOM:

**Method of Construction & Well
Use**

Method Construction ID: 1003285031
Method Construction Code:
Method Construction:
Other Method Construction: CFSSA

Pipe Information

Pipe ID: 1003285033
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003285035
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 6.1
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003285034
Layer:
Slot:
Screen Top Depth: 1.5
Screen End Depth: 6.1
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003285036
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003285030
Diameter: 15
Depth From:
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003285037	Elevation:
DP2BR:	Elevrc:
Spatial Status:	Zone: 17
Code OB:	East83: 792635
Code OB Desc:	North83: 4359310
Open Hole:	Org CS: UTM83
Cluster Kind: This is a record from cluster log sheet	UTMRC: 9
Date Completed: 3/10/2010	UTMRC Desc: unknown UTM
Remarks:	Location Method: wwr
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1003285041
Layer:
Plug From:
Plug To:
Plug Depth UOM:

**Method of Construction & Well
Use**

Method Construction ID: 1003285040
Method Construction Code:
Method Construction:
Other Method Construction: CFSSA

Pipe Information

Pipe ID: 1003285042
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003285044
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 6.1
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003285043
Layer:
Slot:
Screen Top Depth: 1.5
Screen End Depth: 6.1
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003285045
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003285039
Diameter: 15
Depth From:
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

Site: lot 16 ON

Database:
WWIS

Well ID: 6927088
Construction Date:
Primary Water Use:
Sec. Water Use:

Data Entry Status:
Data Src: 1
Date Received: 6/16/2003
Selected Flag: Yes

Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: 255537
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Abandonment Rec:
Contractor: 1413
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT
Municipality: AURORA TOWN (WHITCHURCH)
Site Info:
Lot: 016
Concession:
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10542670
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 5/1/2003
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 966927088
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11091240
Casing No: 1
Comment:
Alt Name:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System:

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Dec 31, 2020

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Dec 2020

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database:

Provincial [DRL](#)

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial [DTNK](#)

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011-Dec 31, 2020

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994-Jan 31, 2020

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011- Dec 31, 2020

Environmental Effects Monitoring:

Federal [EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

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

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System:

Federal [EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic:

Provincial **FSTH**

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial **GEN**

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

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities:

Federal **GHG**

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents:

Provincial **HINC**

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal **IAFT**

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial **INC**

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario:

Provincial **LIMO**

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private **MINE**

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES):

Federal [NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial [NCPL](#)

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

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

Government Publication Date: 2008-Sep 30, 2020

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994-Jan 31, 2020

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Pipeline Incidents:

Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Jan 31, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2021

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011-Dec 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

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

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