Phase One Environmental Site Assessment

5150 Ninth Line

Mississauga, Ontario

Prepared For:

Mattamy (5150 Ninth Line) Limited

7880 Keele Street, Suite 500

Vaughan, Ontario

L4K 4G7

DS Project No: 18-748-100
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DS CONSULTANTS LTD.
6221 Highway 7, Unit 16
Vaughan, Ontario, L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

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1.0 Executive Summary

DS Consultants Ltd. (DS) was retained by Mattamy (5150 Ninth Line) Limited (the "Client") to conduct a Phase One Environmental Site Assessment (ESA) of the Property located at 5150 Ninth Line, Mississauga, Ontario, herein referred to as the "Phase One Property". DS understands that this Phase One ESA may be used to support the filing of a Record of Site Condition (RSC) as part of the proposed redevelopment of the Phase One Property for residential purposes.

The Phase One Property is a 4.88-hectare (12.05 acres) parcel of land situated within a mixed residential, commercial, agricultural neighbourhood on the western boundary of the City of Mississauga, Ontario. The Phase One Property is located approximately 500 m northwest of the intersection of Ninth Line and Eglinton Ave West.

The Property is currently developed with a two (2)-storey residential building with one level of basement (Site Building A), and a one and a half (1 ½)-storey shed (Site Building B), located on the north side of Site Building A. A small storage shed is located on the west side of Site Building A. The Property also contains a one-storey barn with a storage shed (Site Building C). A cell tower is located in the northwestern portion of the Phase One Property. It should be noted that the northern half of the Phase One Property was formerly part of the property known as 5170 Ninth Line. The residential structure and veterinary clinic now associated with 5170 Ninth Line are not part of the Phase One Property.

Due to the use of a portion of the property for commercial purposes (cell tower), it is the opinion of DS that the intended future property use (residential) constitutes a more sensitive property use, as defined under O.Reg. 153/04 (as amended). Given that the proposed change in property use is to a more sensitive property use, the filing of a Record of Site Condition (RSC) with the Ontario Ministry of Environment, Conservation and Parks (MECP) will be mandated under O.Reg. 153/04 (as amended).

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The objectives of the Phase One ESA is to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property and/or within the Phase One Study Area, and to determine if the PCAs identified within the Phase One Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase One Property. The information obtained by the Phase One ESA will be used to assess whether further investigation in the form of a Phase Two ESA is merited. It should be noted that this Phase One ESA does not include any sampling or testing and is based solely on a review of readily available data, and observations made during the Phase One Site Reconnaissance.

Based on the findings of the Phase One ESA, DS presents the following findings:

- The topography on the Phase One Property and within the Phase One Study Area is generally flat with a surficial elevation of 190 metres above sea level (masl) and a slight slope to the southeast. Based on the local topography, the shallow groundwater flow direction is inferred to be southeast towards Lake Ontario, which is located approximately 11 kilometers southeast of the Phase One Property. Long term groundwater monitoring would be required in order to confirm the direction of groundwater flow on the Phase One Property;
- The Site is situated within a till moraine physiographic region. The surficial geology within the Phase One Study area is described as clay to silt-textured till derived from glaciolacustrine deposits or shale and the bedrock is described as shale, limestone, dolostone, siltstone of the Queenston Formation. Based on a review of MECP Well Records, the bedrock underlying the Phase One Property is anticipated at depths ranging from 22 to 24 metres below ground surface (mbgs);
- Several potentially contaminating activities were identified on the Phase One Property, including the following:
    - The 1880 County Atlas indicated that an orchard was formerly present on the Phase One Property. Pesticides are inferred to have been applied liberally to the former orchard.
    - Fill material was reported to be present on the Property in the previous geotechnical reports reviewed as part of this investigation. The environmental quality of this material is unknown.
    - The Phase One Property appears to have been used for agricultural purposes from the 1800s to the early 1970s. Pesticides may have been applied on the Phase One Property.
    - One (1) aboveground storage tank (AST) was identified in a shed located to the west of Site Building A.
    - Operation of a cell tower in the northwestern portion of the Property. Shallow PHC impacts in soil were reported in the vicinity of the cell tower in a Phase II ESA previously conducted in 2017.
- The neighbouring properties within the Phase One Study Area appear to have been used for residential and agricultural purposes since the early/mid/late 1800s. The neighbouring properties have generally been redeveloped into residential subdivisions.

Based on a review of the information available at this time it is concluded that 5 PCAs were identified on the Phase One Property which are considered to be contributing to 5 APECs in, on, or under the Phase One Property. A summary of the PCAs identified and the associated APECs is provided in Table 1-1 below. Note that the PCA numbers used below are per Table 2, Schedule D of O.Reg. 153/04.

Table 1-1: Summary of APECs Identified on Phase One Property

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Vicinity of AST.	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - aboveground fuel storage tank located inside the storage shed on the west side of Site Building A.	On Site	PHCs, VOCs, Metals	Soil, Groundwater
APEC-2	Entire Phase One Property.	PCA-30: Importation of Fill Material of Unknown Quantity.	On Site	PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-3	Entire Phase One Property.	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	On Site	OC Pesticides, metals	Soil
APEC-4	Vicinity of former borehole MW4 (cell tower)	Shallow PHC impacts in soil were identified in the 2017 Phase II ESA conducted by SPCL in the vicinity of the cell tower.	On Site	PHCs	Soil
APEC-5	Entire Phase One Property.	PCA N/S: Inferred use of pesticides on historical orchard.	On Site	OC Pesticides, metals	Soil

The PCAs identified in Table 1-1 above are considered by the Qualified Person (QP) to be contributing to Areas of Potential Environmental Concern on the Phase One Property. The Potential Contaminants of Concern (PCOCs) identified by the QP include PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs, and OC Pesticides. Based on the findings of this Phase One ESA, it is concluded that a Phase Two ESA would be required in order to investigate the aforementioned APECs and to assess the environmental soil and groundwater conditions on the Phase One Property. A Record of Site Condition cannot be filed based on the findings of the Phase One ESA.

2.0 Introduction

DS Consultants Ltd. (DS) was retained by Mattamy (5150 Ninth Line) Limited to complete a Phase One ESA of the Property located at 5150 Ninth Line, Mississauga, Ontario, herein referred to as the "Phase One Property". It is DS's understanding that this Phase One ESA has been requested for due diligence purposes in association with the proposed redevelopment of the Property. DS understands that this Phase One ESA may be used to support the filing of a Record of Site Condition (RSC) as part of the proposed redevelopment of the Phase One Property for residential purposes. It should be noted that the northern half of the Phase One Property was formerly part of the property known as 5170 Ninth Line. The residential structure and veterinary clinic now associated with 5170 Ninth Line are not part of the Phase One Property.

Due to the use of a portion of the property for commercial purposes (cell tower), it is the opinion of DS that the intended future property use (residential) constitutes a more sensitive property use, as defined under O.Reg. 153/04 (as amended). Given that the proposed change in property use is to a more sensitive property use, the filing of a Record of Site Condition (RSC) with the Ontario Ministry of Environment, Conservation and Parks (MECP) will be mandated under O.Reg. 153/04 (as amended).

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The objectives of the Phase One ESA is to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property and/or within the Phase One Study Area, and to determine if the PCAs identified within the Phase One Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase One Property. The information obtained by the Phase One ESA will be used to assess whether further investigation in the form of a Phase Two ESA is merited. It should be noted that this Phase One ESA does not include any sampling or testing and is based solely on a review of readily available data, and observations made during the Phase One Site Reconnaissance.

2.1 Phase One Property Information

The information for the Phase One Property is provided in the following Table.

Table 2-1:Phase One Property Information

Criteria	Information	Source
Legal Description	Part Lot 1, Concession 9 Trafalgar New Survey, as in 367648, Except PE167; City of Mississauga; and Part Lot 1 Con 9 Trafalgar New Survey as in 538791 except PE166 & Pt2, 20R14775.; City of Mississauga	Legal Survey

Property Identification Number (PIN)	24931-0106 (LT) &24931-0150 (LT)	Legal Survey
Municipal Address	5150 Ninth Line, Mississauga, Ontario	City of Mississauga
Property Owner	Mattamy (5150 Ninth Line) Limited	Client
Site Area	4.88 hectares (12.05 acres)	City of Mississauga

2.2 Site Description

The Phase One Property is a 4.88-hectare (12.05 acres) parcel of land situated within a mixed residential, commercial, agricultural neighbourhood on the western boundary of the City of Mississauga, Ontario. The Phase One Property is located approximately 500 m northwest of the intersection of Ninth Line and Eglinton Ave West. A Site Location Plan is provided in Figure 1.

For the purposes of this report, Eglinton Ave West is assumed to be aligned in an east-west orientation, and Ninth Line in a north-south orientation. A Plan of Survey for the Phase One Property dated June 14, 2018 and prepared by J.D. Barnes Limited, an Ontario Land Surveyor, has been provided under *Appendix A*.

The Property is currently developed with a two (2)-storey residential building with one level of basement (Site Building A), and a one and a half (1 ½)-storey shed (Site Building B), located on the north side of Site Building A. A small storage shed is located on the west side of Site Building A. The Property also contains a one-storey barn with a storage shed (Site Building C). A cell tower is located in the northwestern portion of the Phase One Property. It should be noted that the residential structure and veterinary clinic now associated with the municipal address of 5170 Ninth Line are not part of the Phase One Property. A Site Plan depicting the orientation of the buildings on-site is provided in Figure 2.

3.0 Scope of Investigation

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04, as amended (Phase One ESA requirements). This included:

- A review of reasonably ascertainable records and reports regarding historical and current use, regulatory information, occupancy, and activities for the Phase One Property, including:
  - Physical setting information such as aerial photographs, topographic mapping, available historical maps and drawings;
  - Company records (e.g., site plans, building plans, permit records, production and maintenance records, asbestos surveys, site utility drawings, emergency response and contingency plans, spill reporting plans and records, inventories of chemicals and their usage (e.g. WHMIS), environmental monitoring data, waste management records,

inventory of underground and aboveground tanks, environmental audit reports) provided to DS;

- Geological and hydrogeological information in published government maps and/or reports;
- A review of information on file with Ecolog ERIS, a commercial database that provides information from numerous private, provincial, and federal environmental databases/registries;
- Review of fire insurance plans, municipal directory documentation and available environmental reports that are pertinent to the Phase One Property;
- Regulatory Information, including such as Permits or Certificates of Approval (pertaining to activities that may impact the condition of the property, orders, control orders, or complaints related to environmental compliance that may impact the condition of the property, and violations of environmental statutes, regulations, by-laws, and permits that may impact the condition of the property;
- Environmental source information including published and online records from Ministry of Environment, Conservation and Parks (MECP), Environment Canada, Technical Standards and Safety Authority (TSSA), and the City of Toronto; and
- The Ontario Ministry of Natural Resources (MNR) Natural Heritage Information Centre database and the Conservation Authority website for information specific to natural areas, such as locations of environmentally sensitive areas or species.

- Interviews with available individuals having knowledge of current and/or past site activities;
- An inspection of the Phase One Property, and the activities on the adjacent properties, including and assessment of the following:
  - The site operations, processes, and waste management currently carried out on the Phase One Property.
  - The neighbouring land uses (i.e. identification of environmentally sensitive neighbours, as well as an assessment of potential off-site sources of contamination);
  - The source of potable water for the Phase One Property and properties within the Phase One Study Area;
  - The potential presence of existing or former above-ground or underground fuel storage tanks (ASTs or USTs);
  - Possible cut and fill operations that may resulted in the importation of fill material of unknown quality;
  - The presence/absence of floor cracks, hydraulic hoists, elevators, sumps and drains;
  - Areas suspected to contain evidence of surficial and sub-surface impacts (e.g. areas of staining);

- The potential presence of various Designated Substances and building materials including:
  - Friable and non-friable asbestos
  - Urea formaldehyde foam insulation (UFFI)
  - Chlorofluorocarbons (CFCs) in air conditioning and refrigeration equipment
  - PCB-containing materials and electrical equipment
  - Lead-based paint
  - Mould
- The presence/absence of wells, pits and lagoons, drainage sumps and floor drains, sewage and wastewater disposal pipelines; and
- General site conditions, including topography and drainage, standing water, right-of-ways, presence of underground utilities, evidence of stained or odorous soils, and stressed vegetation.

◈ Evaluation of the information and documentation of the results in the form of a Phase One ESA Report.

The objectives of the Phase One ESA are:

1. To assess the environmental condition of the Phase One Property to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in, or under the Phase One Property;
2. To identify potentially contaminating activities within the Study Area (i.e., areas within 250 m of the Property), and to assess if Areas of Potential Environmental Concern (APECs) exist on the Phase One Property;
3. To identify the Potential Contaminants of Concern associated with the PCAs identified; and
4. To provide a basis for subsequent investigation, if required, based on the findings of the Phase One ESA.

4.0 Records Review

4.1 General

4.1.1 Phase One Study Area Determination

Based on a review of the available historical records and the observations made during the Phase One Site Reconnaissance, no heavy industrial properties or other relevant potentially contaminating activities were observed which were considered to merit expanding the Phase One Study Area. As such the Phase One Study Area was defined by a 250-meter radius around the Phase One Property boundary, in accordance with O.Reg. 153/04 (as amended).

The properties within 250 m of the Phase One Property generally consist of residential, parkland, commercial, and agricultural land uses. An assessment of the historical and current use of all properties within the Phase One Study Area was conducted in order to assess for the presence/absence of potentially contaminating activities. A summary of the potentially contaminating activities identified within the Phase One Study Area is provided under **Section 7.2**. A plan depicting the Phase One Study Area limits as well as the current land uses is presented in Figure 3A.

4.1.2 First Developed Use Determination

The first developed use of the Phase One Property is considered under O.Reg. 153/04 (as amended) to be either the first use of the Phase One Property in or after 1875 that resulted in the development of a building or structure on the property, or the first potentially contaminating use or activity on the Phase One Property.

The determination of the first developed use of the Phase One Property was based on a review of available previous reports, aerial photographs, historical maps, fire insurance plans, city directories, and interviews. Based on the information reviewed, the first developed use of the Phase One Property was for residential purposes and occurred in 1974.

4.1.3 Fire Insurance Plans

Fire insurance plans were prepared between 1875 and 1923 and revised in some areas until the 1970s. A search of Fire Insurance Plans (FIPs) was undertaken at the Metropolitan Toronto Reference Library and City Toronto's online services. FIPs were reviewed to confirm the building construction, occupancy, and potential fire hazardous with details regarding storage tanks, boilers, transformers, electrical room, etc. No fire insurance plans were available for the Phase One Property and Study Area.

4.1.4 Chain of Title

A Chain of Title search for the Property was previously prepared as part of a Phase I ESA conducted by Sirati and Partners Consultants Ltd. (SPCL) in 2017. The Chain of Title covered the period from 1830 to 2018 and is summarized in Section 7.1 of this report. The Chain of Title search indicated that the date of patent for the Phase One Property was April 30, 1830. The Phase One Property appears to have been occupied by various private individuals from 1831 to present day. Based on the information provided, it is inferred that the first developed use of the Phase One Property was for residential land use.

Information for the chain of title and parcel register is provided in Appendix A.

4.1.5 Environmental Reports

DS reviewed the following environmental report prepared for the Property. The reports were provided by the client to DS.

- *"Preliminary Report on Geotechnical Investigation, Proposed Residential Development, 5150 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati & Partners Consultants Ltd., dated February 15, 2017*; and*
- *"Preliminary Report on Geotechnical Investigation, Proposed Residential Development, 5170 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati & Partners Consultants Ltd., dated July 20, 2017*; and*
- *"Phase I Environmental Site Assessment, 5170 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati & Partners Consultants Ltd., dated July 25, 2017; *and*
- *"Phase Two Environmental Site Assessment, 5170 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati & Partners Consultants Ltd., dated July 26, 2017; *and*
- *"Phase One Environmental Site Assessment, Proposed New Development, 5150 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati & Partners Consultants Ltd., dated June 29, 2018;

These reports were reviewed in order to assess for the presence of known or suspected PCAs and APECs, and to determine if there are known soil and/or groundwater impacts on the Phase One Property or on Properties within the Phase One Study Area.

Based on the information reviewed by DS, the location of the Phase One Property, and the proposed future land use (residential), the most applicable Site Condition Standards as defined by the Ministry of the Environment, Conservation, and Parks (formerly MECP) in the document " Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the *Environmental Protection Act*", dated April 15, 2011 are considered to be:

- Table 2 SCS: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional Use with coarse-textured soils.

The analytical date provided in the previous reports were compared to the Table 2 SCS in order to assess whether there are known areas of impacted soil and/or groundwater on the Phase One Property. A summary of the pertinent details of the reports reviewed is provided below:

SPCL Preliminary Geotechnical Investigation, 5150 Ninth Line, February 15, 2017

The SPCL investigation was conducted to determine the subsurface conditions at the four borehole locations, and to comment on foundation conditions for general house construction. The following pertinent information was noted by DS:

- The ground surface of the property generally slopes to the southeast, with geodetic elevations from 194.0 to 191.1m.
- A surficial layer of topsoil 200-300 mm in thickness was encountered in all borehole locations.
- Fill material consisting of sandy silt, silty sand, and clayey silt was identified in the boreholes at depths ranging from 0.9 to 2.3m.
- Native soil consisting of silty clay till was encountered in the boreholes to a maximum depth of 9.7mbgs.
- One borehole was installed with a monitoring well.
- The groundwater level found on February 8, 2017 in the monitoring well was at a depth of 6.8m.

SPCL Preliminary Geotechnical Investigation, 5170 Ninth Line, July 20, 2017

The SPCL Investigation was conducted to determine the subsurface conditions at the borehole locations, and to comment on foundation conditions for general house construction. The following pertinent information was noted by DS:

- A surficial layer of topsoil 300-350 mm in thickness was encountered in all borehole locations with the exception of BH1.
- Fill material consisting of clayey silt, sand, and sand & gravel was identified in the boreholes, extending to depths ranging from 0.8 to 1.1m.
- Native soil consisting of silty clay till was encountered in the boreholes to a maximum depth of 8.2mbgs.
- Two boreholes were installed with monitoring wells.
- The groundwater levels found on July 11, 2017 were at depths of 6.8 and 7.3m respectively.

SPCL Phase I Environmental Site Assessment, 5170 Ninth Line, July 25, 2017

The Sirati and Partners Ltd. Phase I Environmental Site Assessment, 5170 Ninth Line, Mississauga, Ontario was reported to have been conducted in general accordance with Ontario Regulation 153/04, dated April 15, 2011 (as amended), and included a review of readily available historical records and

reasonably ascertainable regulatory information, a Site Reconnaissance, interviews, evaluation of information, and reporting. The following pertinent information was noted by DS:

- The first developed use for the property was for residential purposes in the early 1980's.
- The residential building present on the Property is currently heated by a natural gas furnace. According to the property owner, electrical heaters were used in the residential building in the past.
- Based on the age of the residential building, which was constructed in the early-1980s, there is a potential for designated substances materials such as lead, asbestos-containing construction materials, etc. to be present in the building materials. A designated substance survey of the building was recommended prior to the demolition process.
- Historic and current use of the Property for agricultural purposes was identified.
- Storage of jerry cans, motor oil jugs, and paint pails in the garage was identfied.
- The Phase One Property is adjacent to Highway 407 and Ninth Line.

It should be noted that the residential structure and the veterinary clinic (including the garage) assessed in the above SPCL Phase I are not included in the Phase One Property for the current Site, however they are included in the Phase One Study Area.

Sirati and Partners Ltd. Phase II Environmental Site Assessment, 5170 Ninth Line, July 26, 2017

The Sirati and Partners Ltd. Phase II Environmental Site Assessment, 5170 Ninth Line, Mississauga, Ontario was reported to have been conducted in general accordance with Ontario Regulation 153/04, dated April 15, 2011 (as amended), and was completed in order to assess the soil and/or groundwater on the Site, and to specifically investigate the aforementioned PCAs and APECs identified in the SPCL Phase I Environmental Site Assessment, 5170 Ninth Line Report. The investigation involved the advancement of three boreholes to a maximum depth of 8.2 mbgs. Two of the boreholes were completed as monitoring wells. The soil conditions encountered generally consisted of 1.1 m of fill material comprised of sand and gravel over clayey silt. The native material underlaying the fill consisted of silty clay till and extended to the maximum explored depths of the boreholes. All boreholes terminated in native soil, bedrock was not encountered in any of the boreholes.

Select soil samples were submitted for analysis of PHCs (F1-F4), benzene, toluene, ethylbenzene and xylene (BTEX), volatile organic compounds (VOCs), OC Pesticides, and metals and inorganics. Groundwater samples were collected from two monitoring wells and analyzed for PHCs (F1-F4), BTEX and VOCs. The results of the chemical analyses indicated the following exceedances of the Table 2 SCS for soil in the vicinity of the cell tower:

Table 4-1: Summary of Impacts Previously Identified in Soil

Sample ID	Sample Depth (mbgs)	Parameter	Table 2 Criteria	Result
BH18-4 SS2	0.8-1.4	PHC F2	98	**150**

The results of the chemical analyses indicated that all samples met the Table 2 SCS for groundwater.

Remediation of the PHC impacted soils was recommended in order to meet the applicable Table 2 RPI Standards for the Property.

Sirati and Partners Ltd. Phase I Environmental Site Assessment, 5150 Ninth Line, June 29, 2018

The Sirati and Partners Ltd. Phase I Environmental Site Assessment, 5150 Ninth Line, Mississauga, Ontario was reported to have been conducted in general accordance with Ontario Regulation 153/04, dated April 15, 2011 (as amended), and included a review of readily available historical records and reasonably ascertainable regulatory information, a Site Reconnaissance, interviews, evaluation of information, and reporting. The following pertinent information was noted by DS:

- The property has historically been used for residential and agricultural purposes.
- Possible use of fill material on the property was identified.
- One (1) aboveground fuel storage tank (AST) was identified inside of the storage shed located on the west side of the Site Building A.

4.1.6 City Directories

DS conducted a search of the available City Directories for the City of Mississauga at the Toronto Reference Library. No City Directories were available for the Phase One Property and for properties within the Phase One Study Area.

4.2 Environmental Source Information

4.2.1 Ecolog Eris Report

EcoLog Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information.

DS contacted EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS), an environmental database and information service company, to request a search of government and private records for information pertaining to the Phase One Property and Phase One Study Area. EcoLog searched 15 Federal databases, 37 Provincial databases and 10 private databases. A summary of the databases provide by ERIS is provided in the Table below:

Table 4-2: Summary of Environmental Databases Reviewed

Federal Government Source Databases	Private Source Databases
Contaminated Sites on Federal Land; Environmental Effects Monitoring; Environmental Issues Inventory System; Federal Convictions; Fisheries & Oceans Fuel Tanks; Indian & Northern Affairs Fuel Tanks; National Analysis of Trends in Emergencies System (NATES); National Defense & Canadian Forces Fuel Tanks; National Defence & Canadian Forces Spills; National Defence & Canadian Forces Waste Disposal Sites; National Environmental Emergencies System (NEES); National PCB Inventory; National Pollutant Release Inventory; Parks Canada Fuel Storage Tanks; and Transport Canada Fuel Storage Tanks.	Anderson's Storage Tanks; Anderson's Waste Disposal Sites; Automobile Wrecking & Supplies; Canadian Mine Locations; Canadian Pulp and Paper; Chemical Register; ERIS Historical Searches; Oil and Gas Wells; Retail Fuel Storage Tanks; and Scott's Manufacturing Directory.
Provincial Government Source Databases	
Abandoned Aggregate Inventory; Abandoned Mine Information System; Aggregate Inventory; Borehole; Certificates of Approval; Certificates of Property Use; Commercial Fuel Oil Tanks; Compliance and Convictions; Drill Hole Database; Environmental Activity and Sector Registry; Environmental Compliance Approval; Environmental Registry; Fuel Storage Tank; Fuel Storage Tank – Historic; Inventory of Coal Gasification Plants and Coal Tar Sites; TSSA Historic Incidents; TSSA Incidents; TSSA Pipeline Incidents; TSSA Variances for Abandonment of Underground Storage Tanks;	Inventory of PCB Storage Sites; Landfill Inventory Management Ontario; List of TSSA Expired Facilities; Mineral Occurrences; Non-Compliance Reports; Ontario Oil and Gas Wells; Ontario Regulation 347 waste Generators Summary; Ontario Regulation 347 Waste Receivers Summary; Ontario Spills; Orders; Permit to Take Water; Pesticide Register; Private and Retail Fuel Storage Tanks; Record of Site Condition; Waste Disposal Sites – MECP 1991 Historical Approval Inventory; Waste Disposal Sites – MECP CA Inventory; Wastewater Discharger Registration Database; and Water Well Information System

The ERIS report indicated that there were four listings for the Phase One Property, and thirty-four listings for the remaining properties within the Phase One Study Area. A copy of the ERIS report has been provided under Appendix C.

The listings for the Phase One Property pertained to well records (2), and previous ERIS Historical Searched (2), details of which can be found under Appendix C.

A summary of the potentially contaminating activities identified in the ERIS report and other pertinent information is provided in the Table below:

Table 4-3: Summary of ERIS Report Findings

Database	Entry Details
ERIS Historical Searches	Two records were identified corresponding to the Phase One Property, while another 10 records were identified for properties within the Phase One Study Area.
Ontario Regulation 347 Waste Generators Summary (GEN)	No records were identified on the Phase One Property. A total of ten records were identified corresponding to Church Meadows Animal Hospital located approximately 10m NE of the Phase One Property. The animal hospital is registered for both photoprocessing and pathological wastes for the years 2003-2005, 2009-2016, and as of June 2018. Due to the limited nature of the waste, it is not considered to be contributing to an APEC.
TSSA Historic Incidents	No records were identified on the Phase One Property. A total of three records were identified within the Phase One Study Area, all relating to the release of gases to the atmosphere. Due to the nature of the release (gas) and/or a distance of greater then 150m from the Phase One Property, these activities are not considered to be contributing to an APEC.
Ontario Spills	No records were identified on the Phase One Property while one record was identified within the Phase One Study Area. 5130 Celebration Drive located approximately 100m northeast of the Phase One Property was registered for a refrigerant gas spill of 3.5kg on July 13, 2011. Based on the nature of the spill (gas), it is not considered to be a PCA.
Water Well Information System (WWIS)	2 well records were identified on the Phase One Property, and 12 well records were identified within the Phase One Study Area. The locations of the monitoring wells previously installed on the Phase One Property are depicted on Figure 2. A summary of the locations of monitoring wells registered with the MECP Well Records (within the Phase One Study Area) is provided in Figure 3B. Details regarding the well construction, and lithology encountered is provided under Appendix C. The SPCL Phase One ESAs for 5150 & 5170 Ninth Line indicated that both properties contain domestic wells, records of these wells were not identified in the ERIS report obtained as part of the Phase One ESA.

4.2.2 Ministry of the Environment- Freedom of Information

A request was submitted to the MECP Freedom of Information and Protection of Privacy Office (Appendix D) to determine if there were any environmental incidents or violations associated with the Phase One Property; whether any Control Orders have been issued; whether there have been any other environmental concerns associated with the property such as complaints, inspections, etc.; whether any environmental investigations have been carried out regarding the subject property; and, to determine if the Ministry's Spills Action Centre's (SAC's) files contain any reported spills that had occurred in the site vicinity. Note that the SAC's database dates back only to 1988 and many of the occurrences on file have only been reported voluntarily. In addition, the MECP was requested to

search their files (all years) regarding the following parameters: air emissions, water, sewage, wastewater and pesticides.

Files pertinent to this investigation would include, though are not limited to: regulatory permits, records; material safety data sheets; underground utility drawings; inventories of chemicals, chemical usage and chemical storage areas; inventory of aboveground storage tanks and underground storage tanks; monitoring data, including that done at the request of the MECP; historical and current waste management, receiver and generator records; process, production and maintenance documents related to areas of potential environmental concern; spills/discharge records; emergency and contingency plans; environmental audit reports; site plan of facility showing areas of production and manufacturing.

A response has not yet been received from the MECP. The client will be made aware of any records identified by the MECP file search, when a response is received from the Ministry.

4.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) maintain records related to storage tanks for petroleum related products. The TSSA was contacted to review records related to the Property and Study Area. According to the response received on December 12, 2018 from Sarah Quibell of TSSA, there are no records for the Phase One Property.

A copy of the correspondence with the TSSA has been appended under Appendix D.

4.2.4 Areas of Natural and Scientific Interest

The Natural Heritage Areas database published by the Ministry of Natural Resources (MNR) was reviewed in order to identify the presence/absence of areas of natural significance including provincial parks, conservation reserves, areas of natural and scientific interest, wetlands, environmentally significant areas, habitats of threatened or endangered species, and wilderness areas. The regional and municipal Official Plans were also reviewed as part of this assessment.

A review of these databases indicated that the Henslow's Sparrow is listed as endangered within 1 km of the site. It should be noted that the MNR database only covers the southeast corner of the Phase One Property, while the rest of the Site has not yet been surveyed by the MNR.

According to the MNRF, the Henslow's Sparrow tend to avoid fields that have been grazed or are crowded with trees and shrubs. It has been found in abandoned farm fields, pastures and meadows, as well as dense tall grassland. If required, an environmental specialist could be retained to undertake a site-specific ecological assessment, however at this time further assessment is not warranted.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs and Historical Mapping

Aerial Photographs for the years 1954, 1966, 1975, 1985, 1992 were obtained from the City of Mississauga's Online Mapping Service and reviewed as part of this assessment. The County Atlas of Halton was reviewed in order to provide a more historical image from the year 1880. Google Earth was used to review satellite imagery from the years 2004, 2013, 2018. A summary of pertinent information obtained from the aerial photographs reviewed is presented in the Table below. The supporting documents have been appended under Appendix E.

Table 4-4: Summary of Aerial Photographs

Year	Phase One Property	Phase One Study Area
1880	The Phase One Property appears to have been part of a large agricultural lot. The Phase One Property appears to have been part of a relatively large orchard at this time.	The neighbouring properties generally appear to have been undeveloped and used for agricultural purposes at this time.
1954	The Phase One Property appears to be undeveloped agricultural land.	North: The north of the Phase One Property is bounded by a woodlot and agricultural field. West: The Phase One Property is bounded by agricultural fields to the west. East: The Phase One Property is bounded by Ninth Line and an agricultural field to the east. South: There is a residential structure and pond to the south of the Phase One Property.
1966	The Phase One Property appears to be undeveloped, however there appears to be disturbed land in the general vicinity of Site Buildings A & B.	North: No significant changes. West: No significant changes. East: A large structure appears to have been developed to the east of the Phase One Property across Ninth Line. South: One additional residential structure appears to have been constructed to the south of the Phase One Property.
1975	A residential structure (Site Building A) appears to have been constructed where previous land disturbance was observed in the 1966 aerial photograph.	North: No significant changes. West: No significant changes. East: No significant changes. South: No significant changes.
1985	Several smaller shed-like structures appear to have been constructed to the north of and west of the residential building.	North: The residential structure to the north of the Phase One Property appears to have been constructed. West: No significant changes. East: No significant changes. South: No significant changes.
1992	The property resembles in present day configuration.	North: No significant changes. West: No significant changes. East: The large structure mentioned in the 1966 aerial appears to have been demolished. South: No significant changes.
2004		North: The veterinary clinic to the north of the Phase One Property appears to have been developed.

		West: Highway 407 has been developed to the west of the Phase One Property. East: The land to the east of the Phase One Property appears to be in the initial stages of land grading. South: No significant changes
2013	The cell tower on the Phase One Property appears to have been erected.	North: No significant changes. West: No significant changes. East: The land to the east of the Phase One Property has been developed into a residential subdivision. South: No significant changes.
2018	No significant changes.	North: No significant changes. West: No significant changes. East: No significant changes. South: No significant changes.

4.3.2 Topography, Hydrology, Geology

The topography of the Phase One Property is generally flat and slopes to the southeast, with a surface elevation of approximately 190 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the southeast, towards Sawmill Creek, located approximately 5 km southeast of the Phase One Property. The nearest watercourse is a tributary of Sawmill Creek, located approximately 340 m southeast of the Phase One Property. The nearest body of water is Lake Ontario, located approximately 11 km southeast of the Phase One Property. Based on a review of the MECP well records and the provided reports, the depth to groundwater in the vicinity of the Phase One Property is approximately 7 mbgs. The shallow groundwater flow direction within the Phase One Study Area is inferred to be southeast towards Lake Ontario.

The Site is situated within a till moraine physiographic region. The surficial geology within the Phase One Study area is described as clay to silt-textured till derived from glaciolacustrine deposits or shale, and the bedrock is described as shale, limestone, dolostone, siltstone of the Queenston Formation. Based on a review of water well records, the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth of 22 to 24 meters below ground surface (mbgs).

4.3.3 Fill Materials

The Preliminary Geotechnical Investigations completed by SPCL in 2017 on the Property identified fill material consisting of sandy silty, silty sand, clayey silt, and sand and gravel with varying thickness, with a maximum of 2.3 mbgs.

It is noted by DS that this material may be re-worked native, and not imported fill material of unknown quality.

4.3.4 Water Bodies and Areas of Natural Significance

During the site visit, standing water was not observed on the Property. The nearest watercourse is a tributary of Sawmill Creek, located approximately 340 m southeast of the Phase One Property.

Environmentally Significant Areas are natural areas that have been identified as significant and worthy of protection on three criteria – ecology, hydrology and geology. Municipalities has developed policies to protect natural heritage features. The Region uses Environmentally Significant Areas as a means to protect natural areas like wetlands, fish habitat, woodlands, habitat of rare species, groundwater recharge and discharge areas, and Areas of Natural and Scientific Interest.

The City of Mississauga Official Plan and Peel Region Official Plans were reviewed to determine if portions of the Phase One Property or properties within the Phase One Study Area are designed as areas of natural significance. The Phase One Property includes no Areas of Natural Significance. Additional details are provided in Section 4.2.4 above.

4.3.5 Well Records

Water well records were searched as part of the EcoLog ERIS database query. Two records were available for the Phase One Property, and twelve records were identified within the Phase One Study Area.

Two domestic supply wells are associated with the municipal addresses of 5150 and 5170 Ninth Line, however additional details regarding these wells were not available. It does not appear that these wells were registered with the MECP Well Records database.

Additional detail regarding the well construction, lithology encountered, and well purpose is included in the ERIS report provided under Appendix C.

4.4 Site Operating Records

The Property has been historically used for agricultural, residential, and commercial purposes. The Phase One Property is currently used for agricultural, residential, and commercial purposes (cell tower).

No operating records were available for DS to review.

5.0 Interviews

5.1 Personnel Interviewed

Mr. Eric Mueller of Mattamy Homes was interviewed as part of this Phase One ESA. Mr. Mueller was interviewed via questionnaire and telephone on June 19, 2019.

5.2 Interviewee Rationale

Mr. Eric Mueller is the Project Manager responsible for the Phase One Property, and a representative of the current land owner.

5.3 Results of Interview

The following summarizes the information that was provided by the site representative, based on their knowledge of site activities.

Southern Lot -5150 Ninth Line

- The property has been used for agricultural and residential purposes.
- Topsoil was reported by the previous owner to have been imported to the property for farming purposes.
- An AST is located inside the storage shed on the west side of the residential building (Site Building A).
- The property has a domestic well and septic tank.

Northern Lot – Formerly part of 5170 Ninth Line

- The property has been used for agricultural, residential and commercial purposes.
- No fill materials have been imported onto the property.
- The property includes no ASTs or USTs.
- One gasoline spill incident was noted near the cell tower located on the western section of the property.

DS compared the information obtained through the Phase One Interview with the information obtained from the historical records for the Site. The information provided by the interviewees was corroborated by the historical records, as such DS has no concern regarding the accuracy of the information provided.

6.0 Site Reconnaissance

6.1 General Requirements

Table 6-1: Site Reconnaissance Notes

Information	Details
Date of Investigation:	January 14, 2018
Time of Investigation:	9:30A.M.
Weather Conditions:	Partly cloudy, -3°C
Duration of Investigation:	2.5 Hours

Facility in Operation	The Phase One Property was occupied by a residential property, and was used for agricultural (grazing lands for goats), residential and commercial (cell tower) purposes.
Name and Qualification of Person(s) conducting the assessment	Tanner Leonhardt, B.Eng under the supervision of Patrick Fioravanti, B.Sc., P.Geo., QP_{ESA}
Limitations	No access to the residential structure at 5150 Ninth Line. Access was provided previously in 2017, the results of which have been reviewed by DS.

6.2 Specific Observations at Phase One Property

The Site Reconnaissance involved a visual assessment of the Phase One Property for the purpose of identifying potential PCAs, and associated APECs. Photographs of the Phase One Property were taken at the time of the Site Reconnaissance, and have been included under Appendix F.

Table 6-2: Summary of Site Reconnaissance Observations

General		
i.	Description of structures and other improvements, including the number and age of buildings	Site Building A – Two-story residential building, with one level of basement. A small aluminum clad shed is attached to the west side of Site Building A. Site Building A was constructed in 1974. Site Building B – A single story garage located to the north of Site Building A. Site Building B appears to have been constructed between 1985 and 1992. Site Building C – A single story shed/agricultural building, constructed of concrete block with an aluminum roof. Site building C appears to have been constructed in the early 1980s. Cell Tower – A cell tower is located at the rear portion of 5170 Ninth Line, and appears to have been constructed in 2013.
ii.	Description of the number, age and depth of below-ground structures	Site Building A contains one level of underground basement. No other below-ground structures were observed.
iii.	Details of all tanks, above and below ground at the Phase One Property, including the material and method of construction of the tank, tank age, tank contents, tank volume, and whether in use or not	One (1) AST was observed in the shed located near Site Building A. Four (4) empty (abandoned) tanks were observed in the rear of 5170 Ninth Line, along the gravel laneway. Three of the tanks are metal, and one tank appears to be fibreglass. All of the tanks in the rear of the property were empty and are not considered to be PCAs.
iv.	Potable and non-potable water sources	The residential structure is serviced by a domestic well supply, as discussed in the interview with the homeowner.
Underground Utilities and Corridors		

i.	Type and location of underground utility and service corridors, such as sewer, water, electrical or gas lines located on, in or under the Phase One Property.	A hydro meter was observed at the Property on the side of Site Building A. Overhead hydro lines were observed along Ninth Line. Site Building A is also serviced by phone and cable lines. A fire hydrant was observed along Ninth Line within the vicinity of Site Building A. Site Building A was reported to be serviced by a septic system.
Features of Structures and Buildings at the Phase One Property		
i.	Entry and exit points	Site Building A – The main entrance to the building is on the east site of the structure while another is present on the west side. Site Building B– There is an entrance on both the east and west side of the building. Site Building C – There are two entrances on the south side of the building.
ii.	Details of existing and former heating systems, including type and fuel source	The heating system for the residential building is electrical.
iii.	Details of cooling systems, including type and fuel source, if any	Access to Site Building A was not permitted. The 2018 SPCL report indicated that the cooling system is electric.
iv.	Details of any drains, pits and sumps, including their current use, if any, and former use	The 2018 SPCL report indicated that a sump pump is present in the basement of Site Building A.
v.	Details of any unidentified substances	None observed.
vi.	Details, including locations of stains or corrosion on floors other than from water, where located near a drain, pit, sump, crack or other potential discharge location	None observed.
vii.	Details, including locations, of current and former wells, including all wells described or defined in or under the *Ontario Water Resources Act* and the *Oil, Gas and Salt Resources Act*	The locations of the monitoring wells previously installed on the Property are depicted on Figure 2. The 2018 SPCL report indicated that the domestic supply well is located in the vicinity of Site Building B.
viii.	Details of sewage works, including their location	Site Building A is serviced by a septic system. The location is unknown.
ix.	Details of ground surface, including type of ground cover, such as grass, gravel, soil or pavement	The majority of the Site is unpaved. A gravel road enters from Ninth Line at 5170 Ninth Line and travels west to the radio tower located at the back of the property on the west side. Beyond the residential structure, the Site is covered in grass.
x.	Details of current or former railway lines or spurs and their locations	None observed.
xi.	Areas of stained soil, vegetation or pavement	None observed.
xii.	Stressed vegetation	None observed.
xiii.	Areas where fill and debris materials appear to have been placed or graded	None observed.
xiv.	Potentially contaminating activity	The AST observed above is considered a PCA.

xv.	Details of any unidentified substances found at the Phase One Property	N/A
Hazardous Materials		
i.	Asbestos containing materials	Asbestos and asbestos-containing materials were used as insulation and construction materials until being phased out in the late 1970s. Based on the age of the site building, which was constructed prior to 1980s, there is a potential for asbestos insulation and asbestos-containing construction materials to be present in the site building.
ii.	Lead containing materials	The use of lead as a base in paints and plumbing solder was phased out in the late 1970s. Based on the construction of the building in the early 1970's, there is a potential for lead solder and paint to be present in the site building.
iii.	PCB materials and equipment	Prior to the mid- to late-1970s, PCBs were used in the manufacture of electrical equipment, including fluorescent light ballasts. The Property was constructed during the 1970's.
iv.	Urea Formaldehyde Foam Insulation (UFFI)	Urea-Formaldehyde Foam Insulation (UFFI) was introduced in Canada during the 1970s and was banned in 1980. No record of UFFI was available for the subject building.
v.	Ozone Depleting Substances (ODS)	None observed.
vi.	Herbicides and Pesticides	During the site inspection no materials containing herbicides or pesticides were observed to be stored on the Property.
vii.	Mould	Access to the interior of the residential building (Site Building A) at 5150 Ninth Line was not granted. It is possible that mould is present in the basement of this building.
viii.	Mercury	Based on the age of the building, there is potential for mercury to be present in fluorescent lights observed in the building. Mercury with small quantity could be present inside the electrical switches or thermostats observed in the units of the building.
ix.	acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, silica, vinyl chloride	These items were not observed at the Property.
x.	Pits and Lagoons	None observed.
xi.	Air Emissions	None observed.
xii.	Radioactive Materials & Radon Gas	Based on local geological formations in the area, it is unlikely the site is exposed to natural sources of radiation such as radon or uranium. Manmade sources of radioactive materials were not observed during the site inspection. A radiometric survey was not conducted during this investigation.

6.3 Written Description of Investigation

The site reconnaissance included a visual inspection of the Phase One Property to confirm current conditions and identify any current land uses or activities, which may have or may cause

environmental impacts. The adjoining and neighbouring properties were observed from the Phase One Property and publicly accessible areas.

At the time of the Site Reconnaissance the land use within the Phase One Study Area was primarily residential, commercial, parkland and agricultural as described in the table below:

Table 6-3: Summary of Site Reconnaissance Observations within Phase One Study Area

Observation	Details
Phase One Property	The Phase One Property was occupied by Gary Rynsoever at the time of the site reconnaissance and was used for residential purposes. The orientation of the Site Building is depicted on Figure 2.
North Adjacent Property	The north adjacent Property (5170 Ninth Line) was occupied by Churchill Meadows Animal Hospital and a residential building owned by Rossana Cofini at the time of the site reconnaissance. A woodlot is located further to the north of 5170 Ninth Line.
East Adjacent Property	The east adjacent lands were occupied by a residential subdivision, east of Ninth Line.
South Adjacent Property	The south adjacent Property was occupied by a residential building at the time of the site reconnaissance and appeared to be vacant.
West Adjacent Property	The west adjacent Property was occupied by the Highway 407 Right of Way at the time of the site investigation.
Water Bodies	No water bodies were visible on the Phase One Property.
Areas of Natural Significance	No areas of natural significance were visible on the Phase One Property.

Photographs illustrating the Phase One Property and adjacent properties are provided under Appendix F. A summary of the potentially contaminating activities observed is provided in Section 7.2. A visual depiction of the PCAs identified within the Phase One Study Area is provided under Figure 3B.

7.0 Review and Evaluation of Information

7.1 Current and Past Uses

Current and past uses of the Phase One Property have been inferred based on the information provided in the aerial photographs, chain of title, city directories and conversations with the site representative. A summary of Current and Past Uses of the Phase One Property is presented in the Appendix G.

7.2 Potentially Contaminating Activity

According to the Table 2, Schedule D, O. Reg. 153/04 as amended, potentially contaminating activities are activities that may contributing to areas of potential environmental concern on the Phase One Property. The PCAs identified on the Phase One Property and within the Phase One Study Area are summarized in the table below and are illustrated on Figure 3B.

Table 7-1: Summary of PCAs

PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description	Contributing to APEC (Y/N)
1	PCA-28: Gasoline and associated products storage in fixed tanks	An aboveground fuel storage tank was located inside the storage shed on the west side of Site Building A.	Yes – APEC 1
2	PCA-30: Importation of Fill Material of Unknown Quantity.	Fill material was identified on the Phase One Property is previous geotechnical investigations. Topsoil was reported to have been imported for agricultural purposes.	Yes – APEC 2
3	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	Historical use of the Phase One Property for agricultural use.	Yes – APEC 3
4	PCA – N/S: Operation of Cell Tower	Shallow PHC impacts in soil were identified in the 2017 Phase II ESA conducted by SPCL in the vicinity of the cell tower.	Yes – APEC 4
5	PCA – N/S: Orchard	Inferred use of pesticides on historical orchard.	Yes – APEC 5
6	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Generation of waste at the Church Meadows Animal Hospital located approximately 10m NE of the Phase One Property. The animal hospital is registered for both photoprocessing and pathological wastes for the years 2003-2005, 2009-2016, and as of June 2018.	No – due to the limited nature of the operation

N/S - not specified in Table 2, Schedule D, of O.Reg. 153/04

7.3 Areas of Potential Environmental Concern

The table of APECs presented in the form as approved by the Director is provided below, in accordance with clause 16(2)(a), Schedule D, O.Reg. 153/04.

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Vicinity of AST.	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - aboveground fuel storage tank located inside the storage shed on the west side of Site Building A.	On Site	PHCs, VOCs, Metals	Soil, Groundwater
APEC-2	Entire Phase One Property.	PCA-30: Importation of Fill Material of Unknown Quantity.	On Site	PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-3	Entire Phase One Property.	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	On Site	OC Pesticides, metals	Soil
APEC-4	Vicinity of former borehole MW4 (cell tower)	Shallow PHC impacts in soil were identified in the 2017 Phase II ESA conducted by SPCL in the vicinity of the cell tower.	On Site	PHCs	Soil
APEC-5	Entire Phase One Property.	PCA N/S: Inferred use of pesticides on historical orchard.	On Site	OC Pesticides, metals	Soil

The rationale used by the QP in assessing the information obtained through the course of this investigation to determine whether PCAs exist and/or are contributing to an APEC on the Phase One Property has been provided in the proceeding sections. In general the potential for a PCA to be contributing to an APEC on the Phase One Property was assessed using the likelihood of the source to contaminate the Phase One Property, the possibility of the contaminants to migrate to the Phase

One Property based on the hydraulic and geologic conditions, and the inherent properties of the contaminants of concern.

The contaminants of potential concern were determined based on the professional experience of the QP, common industry standards, literature reviews, and the inherent properties of the contaminant.

This investigation was conducted based on the assumption that all information provided to DS was factual and accurate. DS is not aware of any uncertainty factors which would affect the conclusions of this investigation.

7.4 Phase One Conceptual Site Model

A Conceptual Site Model was developed for the Phase One Property, located at 5150 Ninth Line, Mississauga, Ontario. The Phase One Conceptual Site Model is presented in Drawings 3A, 3B, and 4 and visually depict the following:

- Any existing buildings and structures
- Water bodies located in whole, or in part, on the Phase One Study Area
- Areas of natural significance located in whole, or in part, on the Phase One Study Area
- Water wells at the Phase One Property or within the Phase One Study Area
- Roads, including names, within the Phase One Study Area
- Uses of properties adjacent to the Phase One Property
- Areas where any PCAs have occurred, including location of any tanks
- Areas of Potential Environmental Concern

7.4.1 Potentially Contaminating Activity Affecting the Phase One Property

All PCAs identified within the Phase One Study Area are presented on Figure 3B, and discussed in Section 7.2 above. The PCAs which are considered to contribute to APECs on, in or under the Phase One Property are summarized in the table below:

Table 7-2: Summary of PCAs Contributing to APECs

PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description	Contributing to APEC (Y/N)
1	PCA-28: Gasoline and associated products storage in fixed tanks	An aboveground fuel storage tank was located inside the storage shed on the west side of Site Building A.	Yes – APEC 1
2	PCA-30: Importation of Fill Material of Unknown Quantity.	Fill material was identified on the Phase One Property is previous geotechnical investigations. Topsoil was reported to have been imported for agricultural purposes.	Yes – APEC 2
3	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing,	Historical use of the Phase One Property for agricultural use.	Yes – APEC 3

	Processing, Bulk Storage and Large Scale Applications.		
4	PCA – N/S: Operation of Cell Tower	Shallow PHC impacts in soil were identified in the 2017 Phase II ESA conducted by SPCL in the vicinity of the cell tower.	Yes – APEC 4
5	PCA – N/S: Orchard	Inferred use of pesticides on historical orchard.	Yes – APEC 5

N/S - not specified in Table 2, Schedule D, of O.Reg. 153/04

7.4.2 Contaminants of Potential Concern

A summary of the contaminants of potential concern identified for each respective APEC is presented in Table 7-1 above. The following contaminants of potential concern were identified for the Phase One Property: PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs, and OC Pesticides.

7.4.3 Underground Utilities and Contaminant Distribution and Transport

Underground utilities can affect contaminant distribution and transport. Trenches excavated to install utility services, and the associated granular backfill may provide preferential pathways for horizontal contaminant migration in the shallow subsurface.

Plans were not available to confirm the depths of these utilities; however they are estimated to be installed at depths ranging from 2 to 3 metres below ground surface.

The depth to groundwater at the Phase One Property is inferred to be approximately 6.8 to 7.2 metres below ground surface, therefore the utility corridors are expected to be well above the water table and would not act as preferential pathways for contaminant distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property.

7.4.4 Geological and Hydrogeological Information

The topography of the Phase One Property is generally flat and slopes to the southeast, with a surface elevation of approximately 190 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the southeast, towards Sawmill Creek, located approximately 5 km southeast of the Phase One Property. The nearest watercourse is a tributary of Sawmill Creek, located approximately 340 m southeast of the Phase One Property. The nearest body of water is Lake Ontario, located approximately 11 km southeast of the Phase One Property. Based on a review of the MECP well records and the provided reports, the depth to groundwater in the vicinity of the Phase One Property is approximately 7 mbgs. The shallow groundwater flow direction within the Phase One Study Area is inferred to be southeast towards Lake Ontario.

The Site is situated within a till moraine physiographic region. The surficial geology within the Phase One Study area is described as clay to silt-textured till derived from glaciolacustrine deposits or shale and the bedrock is described as shale, limestone, dolostone, siltstone of the Queenston Formation. Based on a review of water well records, the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth of 22 to 24 meters below ground surface (mbgs).

7.4.5 Uncertainty and Absence of Information

DS has relied upon information obtained from federal, provincial, municipal, and private databases, in addition to records and summaries provided by EcoLog ERIS. All information obtained was reviewed and assessed for consistency, however the conclusions drawn by DS are subject to the nature and accuracy of the records reviewed.

All reasonable inquiries were made to obtain reasonably accessible information, as mandated by O.Reg.153/04 (as amended). All responses to database requests were received prior to completion of this report, with the exception of the MECP FOI request. If the MECP FOI request produces information which may alter the conclusions of this report, an addendum will be provided to the Client. This report reflects the best judgement of DS based on the information available at the time of the investigation.

Information used in this report was evaluated based on proximity to the Phase One Property, anticipated direction of local groundwater flow, and the potential environmental impact on the Phase One Property as a result of potentially contaminating activities.

The QP has determined that the uncertainty dose not affect the validity of the Phase One ESA Conceptual Site Model or the conclusions of this report.

8.0 Conclusions

8.1 Phase Two Environmental Site Assessment Requirement

DS conducted a Phase One ESA for the property located at 5150 Ninth Line, Mississauga, Ontario. The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The objectives of the Phase One ESA was to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property and/or within the Phase One Study Area, and to determine if the PCAs identified within the Phase One Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase One Property.

Based on the information obtained as part of this investigation, it is concluded that 5 PCAs were identified within the Phase One Study Area which are considered to be contributing to 5 APECs on, in or under the Phase One Property. Further investigation in the form of a Phase Two ESA will be required in order to meet the requirements of O.Reg.153/04 (as amended).

8.2 RSC Based on Phase One Environmental Site Assessment

Record of Site Condition cannot be filed on the basis of the Phase One ESA due to the identification of Areas of Potential Environmental Concern on the Phase One Property.

8.3 Limitations

This report was prepared for the sole use of Mattamy (5150 Ninth Line) Limited and is intended to provide an assessment of the environmental condition on the property located at 5150 Ninth Line, Mississauga, Ontario. The information presented in this report is based on information collected during the completion of the Phase One Environmental Site Assessment by DS Consultants Ltd. The material in this report reflects DS' judgment in light of the information available at the time of report preparation. This report may not be relied upon by any other person or entity without the written authorization of DS Consultants Ltd. The scope of services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this documents or findings, conclusions and recommendations represented herein, is at the sole risk of said users.

The information and conclusions presented in this report are professional opinions in accordance with generally accepted engineering and scientific practices based on a cursory historical search, visual observations and limited information provided by persons knowledgeable about past and current activities on this site. The work completed as per the scope of work is considered sufficient in detail to form a reasonable basis for the findings presented in this report. As such, DS Consultants Ltd. cannot be held responsible for environmental conditions at the site that was not apparent from the available information.

8.4 Qualifications of the Assessors

Tanner Leonhardt, B.Eng.

Mr. Leonhardt is a Junior Environmental Engineer with DS Consultants Ltd. Tanner holds a Bachelor of Engineering Degree from the University of Guelph and has several years of experience working in the environmental industry. Tanner has experience in conducting Phase One and Phase Two Environmental Site Assessments, soil and groundwater remediation, and has supported several risk assessment projects.

Mr. Patrick (Rick) Fioravanti, B.Sc., P.Geo., QP_{ESA}

Mr. Fioravanti is the Manager of Environmental Services with DS Consultants Limited. Patrick holds a Honours Bachelor of Science with distinction in Toxicology from the University of Guelph, and is a practicing member of the Association of Professional Geoscientists of Ontario (APGO). Patrick has over eight years of environmental consulting experience and has conducted and/or managed over 100 projects in his professional experience. Patrick has extensive experience conducting Phase One

and Phase Two Environmental Site Assessments in support of brownfields redevelopment in urban settings, and been involved in numerous remediation projects, supported many risk assessments, and successfully filed Records of Site Condition with the Ministry of Environment and Climate Change. He has conducted work across southern and eastern Ontario, and Quebec in his professional experience. Patrick is considered a Qualified Person to conduct Environmental Site Assessments as defined by Ontario Regulation 153/04 (as amended).

8.5 Signatures

DS Consultants Ltd. conducted this Phase One Environmental Site Assessment and confirms the findings and conclusions contained within this report.

Yours truly,

DS Consultants Ltd.

Prepared by:

Tanner Leonhardt, B.Eng.
Environmental Technician

Reviewed by:

Patrick Fioravanti, B.Sc., P.Geo., QP_{ESA}
Manager – Environmental Services

9.0 References

- Ontario Regulation 153/04 Records of Site Condition — Part Xv.1 of The Act
- Natural Resources Canada Toporama http://atlas.gc.ca/toporama/en/index.html
- Environment Canada, National Pollutant Release Inventory
- Ontario Ministry of the Environment Hazardous Waste Information Network https://www.hwin.ca/hwin/
- Ontario Ministry of the Environment, Certificate of Approval search
- Ontario Ministry of the Environment, Brownfields Environmental Site Registry https://www.ontario.ca/page/ministry-environment-and-climate-change
- Ontario Ministry of the Environment, Inventory of Coal Gasification Plan Waste Sites in Ontario, 1987
- Ontario Ministry of the Environment, Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, 1998
- Ontario Ministry of the Environment, Inventory of PCB Storage Sites, 1994-2004
- Ministry of Environment, Conservation and Parks-Freedom of Information
- Technical Standards and Safety Authority – Fuel Safety Division inquiry
- Ontario Geological Survey, 2013. Quaternary Geology of Ontario. Ontario Geological Survey, scale 1:100,000.
- Ontario Ministry of Northern Development and Ontario Geological Survey, 1991. Bedrock Geology of Ontario, Southern Sheet; Ontario Geological Survey, Map 2544, scale 1:1,000,000.
- Ontario Ministry of Natural Resources. Quaternary Geology of Toronto and Surrounding Area. Scale 1:100,000. Map number 2204.
- Historical Maps, aerial photos and Ontario Base Map
- City of Toronto online-services
- Environmental Risk Information Services (Ecolog ERIS Report)
  - "Preliminary Report on Geotechnical Investigation, Proposed Residential Development, 5150 Ninth Line, Mississauga, Ontario", prepared by Sirati & Partners Consultants Ltd.
  - "Preliminary Report on Geotechnical Investigation, Proposed Residential Development, 5170 Ninth Line, Mississauga, Ontario", prepared by Sirati & Partners Consultants Ltd.
  - "Phase One Environmental Site Assessment, 5170 Ninth Line, Mississauga, Ontario", prepared by Sirati & Partners Consultants Ltd.
  - "Phase Two Environmental Site Assessment, 5170 Ninth Line, Mississauga, Ontario", prepared by Sirati & Partners Consultants Ltd.
  - "Phase One Environmental Site Assessment, Proposed New Development, 5150 Ninth Line, Mississauga, Ontario", prepared by Sirati & Partners Consultants Ltd.

Figures

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 1 - Site Location Plan.qgs

Legend

Approx. Property Boundary

0 150 300 m

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **SITE LOCATION PLAN**

N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: 1

Image/Map Source: *Google Street Map*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 2 - Phase One Property Site Plan.qgs

Legend

Approx. Property Boundary

0 75 150 m

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Client: MATTAMY (5150 NINTH LINE) LIMITED

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

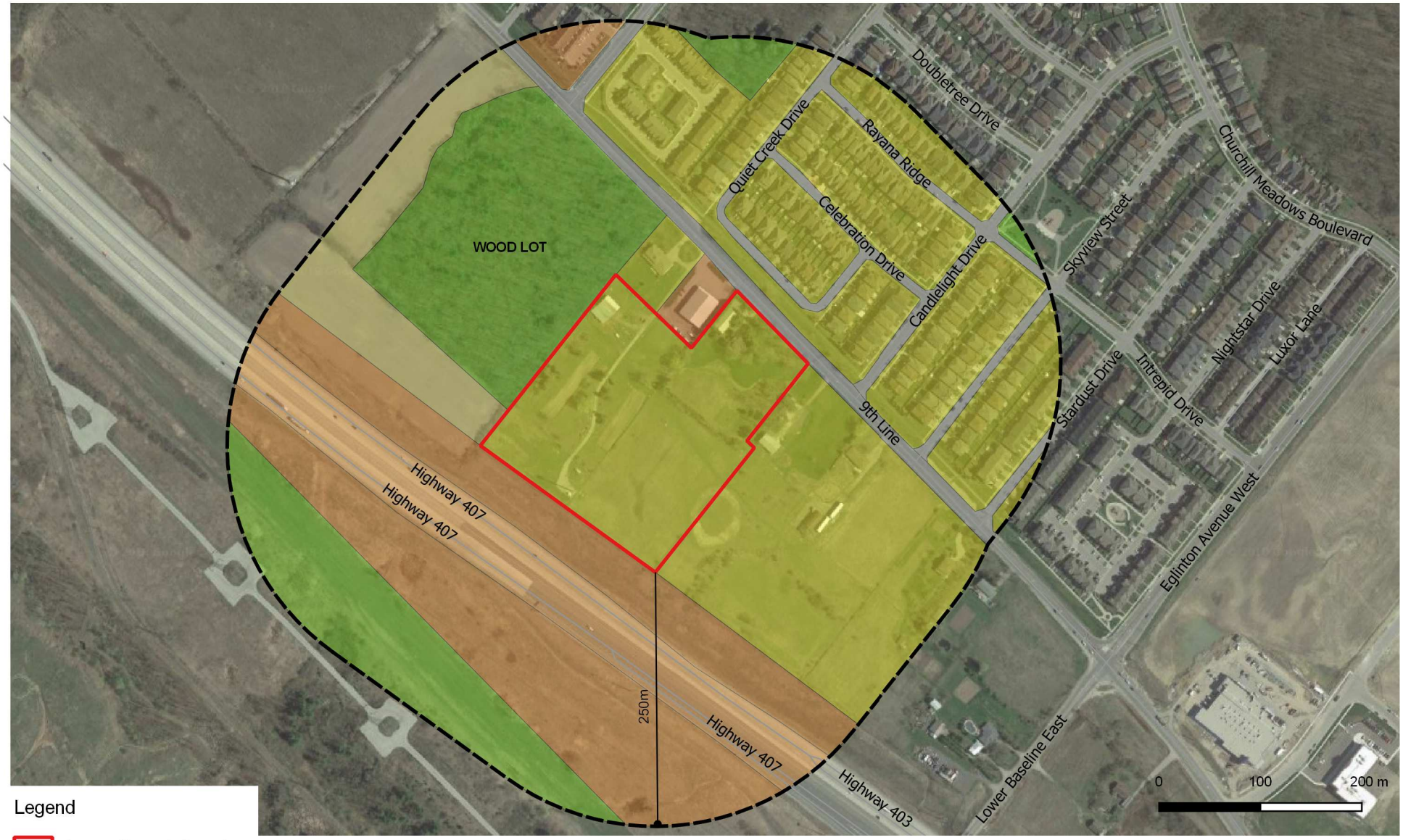
Title: **PHASE ONE PROPERTY SITE PLAN**

N

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: 2

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 3A - Phase One Study Area.qgs



Legend

- Approx. Property Boundary
- 250m Buffer
- Residential Use
- Commercial Use
- Parkland Use
- Agricultural Use

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **PHASE ONE STUDY AREA**

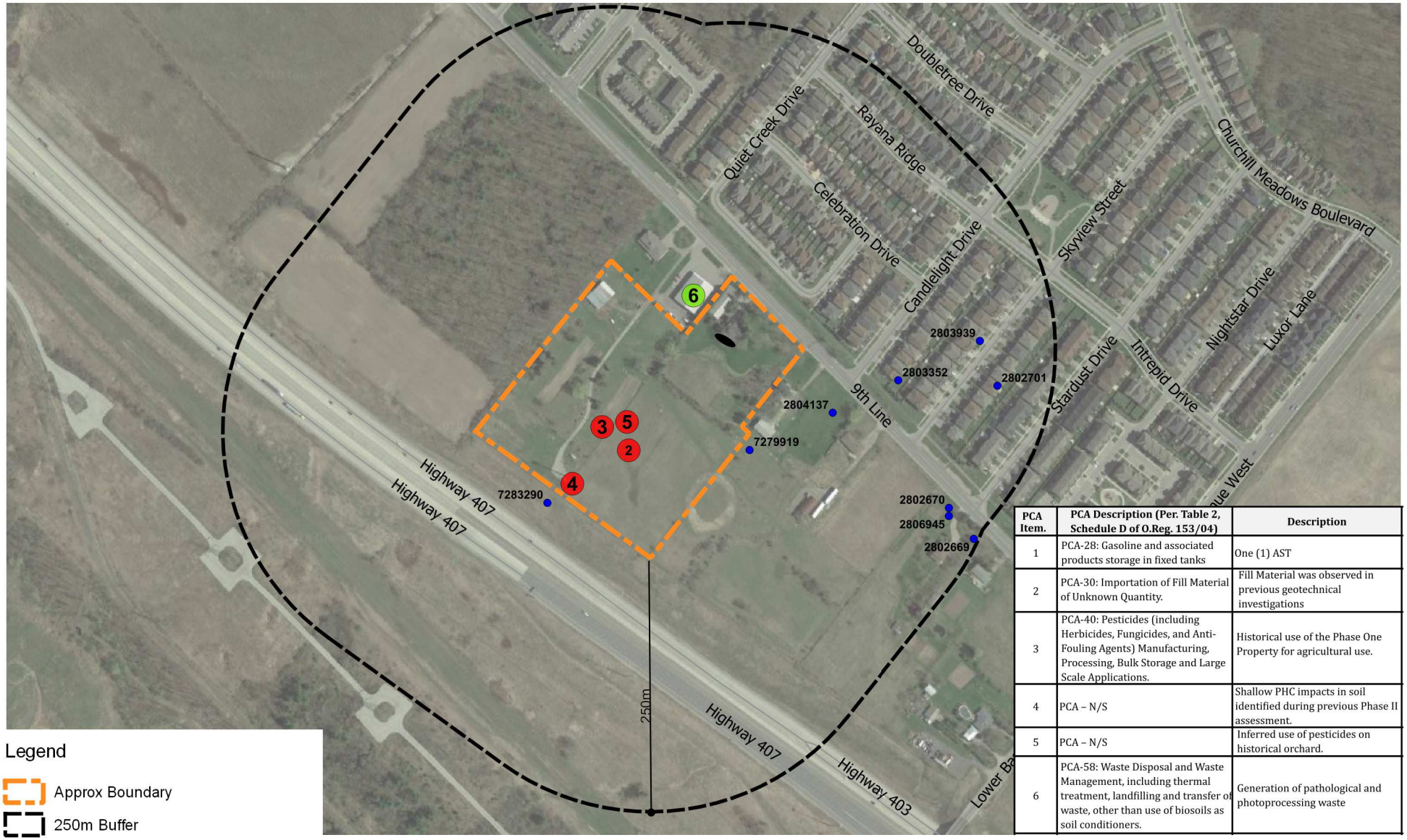
N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: **3A**

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 3B - PCA within Phase One Study Area.qgs



PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description
1	PCA-28: Gasoline and associated products storage in fixed tanks	One (1) AST
2	PCA-30: Importation of Fill Material of Unknown Quantity.	Fill Material was observed in previous geotechnical investigations
3	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	Historical use of the Phase One Property for agricultural use.
4	PCA – N/S	Shallow PHC impacts in soil identified during previous Phase II assessment.
5	PCA – N/S	Inferred use of pesticides on historical orchard.
6	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Generation of pathological and photoprocessing waste

Legend

- Approx Boundary
- 250m Buffer
- Registered Water Well (MECP WWR)
- AST (PCA Item 1)
- PCA Not Contributing to APEC
- PCA Contributing to APEC

0 100 200 m

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **PCA WITHIN PHASE ONE STUDY AREA**

N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: **3B**

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 4 - Summary of APEC on Phase Property.qgs

APEC	PCA	COPCs	Media of Concern
APEC-1	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs, VOCs, Metals	Soil, Groundwater
APEC-2	PCA-30: Importation of Fill Material of Unknown Quantity.	PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-3	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	OC Pesticides, metals	Soil
APEC-4	PCA N/S: Shallow PHC impacts in soil identified during previous Phase II assessment.	PHCs	Soil
APEC-5	PCA – N/S: Inferred use of pesticides on historical orchard	OC Pesticides, metals	Soil

Legend

- Approx. Property Boundary
- APEC 1
- APEC 4
- APEC 2,3 & 5

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **SUMMARY OF APECs ON PHASE ONE PROPERTY**

N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: 4

Image/Map Source: *Google Satellite Image*

Appendix A – Plan of Survey

SURVEYOR'S COPY

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE June 14th, 2018

SUNIL PERERA
ONTARIO LAND SURVEYOR

PLAN 20R-21132

RECEIVED AND DEPOSITED

DATE JUNE 15, 2018

"A. TIMBERS"

REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF HALTON (No 20)

SCHEDULE

PART	LOT	CONCESSION	PIN	AREA (ha.)
1	PART OF LOT 1	9 NEW SURVEY	ALL OF PIN 24931-0150 (LT)	1.364
2				0.627
3				0.295
4				0.085
5				0.300
6				0.010
7				0.157
8				0.052
9			ALL OF PIN 24931-0106 (LT)	2.677
10				0.050

PARTS 1 TO 8, INCLUSIVE, COMPRISE ALL OF PIN 24931-0150 (LT).
PARTS 9 AND 10 COMPRISE ALL OF PIN 24931-0106 (LT)
PARTS 6, 7, AND 8 - SUBJECT TO AN EASEMENT AS IN INST. No. HR847329.

PLAN OF SURVEY OF

PART OF LOT 1
CONCESSION 9, NEW SURVEY

GEOGRAPHIC TOWNSHIP OF TRAFALGAR

CITY OF MISSISSAUGA

REGIONAL MUNICIPALITY OF PEEL

SCALE 1 : 500

10 0 10 20 30 metres

J.D. BARNES LIMITED

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

NOTES

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999733.

FOR BEARING COMPARISONS, A ROTATION OF 1°01'20" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON P1, P2, P3 AND P5.

FOR BEARING COMPARISONS, A ROTATION OF 0°01'30" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON D1 AND D2.

INTEGRATION DATA

OBSERVED REFERENCE POINTS (ORPs): UTM ZONE 17, NAD83 (CSRS) (2010.0).

COORDINATES TO URBAN ACCURACY PER SECTION 14 (2) OF O.REG 216/10.

POINT ID	EASTING	NORTHING
ORP (A)	601 738.01	4 821 207.19
ORP (B)	602 060.96	4 820 981.08
ORP (C)	602 006.03	4 821 210.23

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRON BAR
IB	DENOTES	IRON BAR
760	DENOTES	K.H. McCONNELL, O.L.S.
848	DENOTES	W.B. STARR, O.L.S.
950	DENOTES	F.G. CUNNINGHAM, O.L.S.
MEAS	DENOTES	MEASURED
NI	DENOTES	NOT IDENTIFIABLE
P1	DENOTES	EXPROPRIATION PLAN EX-167
P2	DENOTES	PLAN 20R-14775
P3	DENOTES	PLAN 20R-18617
P4	DENOTES	BUILDING LOCATION SURVEY BY FRED G. CUNNINGHAN, O.L.S., DATED MAY 6, 1986
P5	DENOTES	EXPROPRIATION PLAN EX-166
D1	DENOTES	INSTUMENT No. 828362
D2	DENOTES	INSTRUMENT No. 367648
BF	DENOTES	BOARD FENCE
CLF	DENOTES	CHAIN LINK FENCE
PWF	DENOTES	POST & WIRE FENCE

N=NORTH / S=SOUTH / E=EAST / W=WEST

ALL SET SSIB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 11 (4) OF O.REG. 525/91.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 10th DAY OF JUNE, 2018.

June 14th, 2018
DATE

SUNIL PERERA
ONTARIO LAND SURVEYOR

J.D.BARNES LIMITED
SURVEYING MAPPING GIS
LAND INFORMATION SPECIALISTS
401 WHEELABRATOR WAY, SUITE A, MILTON, ON L9T 3C1
T: (905) 875-9955 F: (905) 875-9956 www.jdbarnes.com

DRAWN BY:	CHECKED BY:	REFERENCE NO.:
AP	SP.	17-30-048-01-A

FILE: G:\17-30-048\01\Drawing\17-30-048-01-A.dgn DATED: JUNE 11th, 2018

PLOTTED: 14/06/2018

Appendix B – City Directory Search

Summary of City Directory Search

Address	Location Relative to Phase One Property	Listing	Year(s)	Inferred Property Use
No City Directories were available for the Phase One Property.				

Appendix C – Ecolog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*5150 Ninth Line* *5150 Ninth Line* *Mississauga ON L5M 0R5*
Project No:	*18-748-20*
Report Type:	*RSC Report - Quote*
Order No:	*20181107166*
Requested by:	*Ds Consultants Ltd.*
Date Completed:	*November 14, 2018*

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

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*5150 Ninth Line* *5150 Ninth Line Mississauga ON L5M 0R5*
Project No:	*18-748-20*

Order Information:

Order No:	*20181107166*
Date Requested:	*November 7, 2018*
Requested by:	*Ds Consultants Ltd.*
Report Type:	*RSC Report - Quote*

Historical/Products:

Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
CA	*Certificates of Approval*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DRYCLEANERS	*Dry Cleaning Facilities*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	12	12
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EXP	*List of TSSA Expired Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	10	10
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	3	3
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0
INC	*TSSA Incidents*	Y	0	0	0
LIMO	*Landfill Inventory Management Ontario*	Y	0	0	0
MINE	*Canadian Mine Locations*	Y	0	0	0
MISA PENALTY	*Environmental Penalty Annual Report*	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	12	14
	Total:		2	38	40

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 1 con 9 ON ***Well ID:*** 7293389	-/0.0	1.13	19
2	WWIS		lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292425	-/0.0	1.00	19

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	WWIS		lot 1 con 9 ON ***Well ID:*** 7279919	ESE/9.5	0.00	22
4	WWIS		lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292424	NNE/11.4	0.08	23
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	25
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	26
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON	NNE/13.3	0.00	26
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	26
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL	5170 NINTH LINE RR 2 HORNBY ON	NNE/13.3	0.00	27
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	27
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	28
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	28
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	29
6	EHS		5150 9 Line Mississauga ON L5M0R5	N/13.9	1.00	29
6	EHS		5150 9 Line Mississauga ON L5M0R5	N/13.9	1.00	29
7	WWIS		Mississauga ON ***Well ID:*** 7283290	SW/15.2	1.05	29
8	WWIS		lot 1 con 9 ON ***Well ID:*** 2804137	E/58.0	-0.96	32
9	EHS		5080 9 Line Mississauga ON L5M0R5	SE/67.1	-0.86	36
9	EHS		5080 Ninth Line Mississauga ON	SE/67.1	-0.86	36
9	HINC		5080 9th LINE MILTON ON	SE/67.1	-0.86	36
10	EHS		5080 Ninth Line Milton ON	ESE/73.0	-1.03	37
11	WWIS		lot 1 con 10 ON ***Well ID:*** 2803352	E/96.0	-1.96	37
12	SPL		5130 Celebration Drive Mississauga ON L5M 8B4	NE/97.7	0.00	41
13	EHS		5080 Ninth Line Milton ON	SE/97.9	-1.00	41
14	EHS		5080 9 Line Mississauga ON L5M0R5	SE/98.3	-1.00	41

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	EHS		5080 9 Line Milton ON L5M0R5	SE/98.3	-1.00	41
14	EHS		5080 9 Line Milton ON L5M0R5	SE/98.3	-1.00	42
15	WWIS		lot 1 con 10 ON ***Well ID:*** 2803939	E/173.0	-3.58	42
16	WWIS		lot 1 con 10 ON ***Well ID:*** 2802701	E/192.8	-4.00	45
17	WWIS		lot 1 con 9 ON ***Well ID:*** 2802670	ESE/206.8	-3.00	48
18	WWIS		lot 1 con 1 ON ***Well ID:*** 2806945	ESE/211.8	-3.00	51
19	WWIS		lot 1 con 9 ON ***Well ID:*** 2802669	ESE/243.7	-3.68	55
20	EHS		0 Ninth Line Mississauga ON	NW/248.0	5.00	58
21	EHS		3955 Erin Centre Boulevard Mississauga ON	NNW/249.3	2.00	58
22	HINC		5356 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	NNW/261.9	2.00	58
23	HINC		5280 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	N/263.8	1.00	58
24	EHS		5320 9 Line Mississauga ON L5M0R5	NNW/287.2	3.74	59
25	WWIS		lot 2 con 10 MISSISSAUGA ON ***Well ID:*** 4909837	NNW/292.9	2.31	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	WWIS		lot 2 con 10 MISSISSAUGA ON ***Well ID:*** 4909838	NNW/292.9	2.31	61

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2018 has found that there are 12 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5150 9 Line Mississauga ON L5M0R5	13.9	6
	5150 9 Line Mississauga ON L5M0R5	13.9	6
	5080 Ninth Line Mississauga ON	67.1	9
	5080 9 Line Mississauga ON L5M0R5	67.1	9
	5080 Ninth Line Milton ON	73.0	10
	5080 Ninth Line Milton ON	97.9	13
	5080 9 Line Milton ON L5M0R5	98.3	14
	5080 9 Line Mississauga ON L5M0R5	98.3	14
	5080 9 Line Milton ON L5M0R5	98.3	14

Site	Address	Distance (m)	Map Key
	0 Ninth Line Mississauga ON	248.0	20
	3955 Erin Centre Boulevard Mississauga ON	249.3	21
	5320 9 Line Mississauga ON L5M0R5	287.2	24

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-June 30, 2018 has found that there are 10 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON	13.3	5

Site	Address	Distance (m)	Map Key
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL	5170 NINTH LINE RR 2 HORNBY ON	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 3 HINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5080 9th LINE MILTON ON	67.1	9
	5356 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	261.9	22
	5280 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	263.8	23

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jul 2018 has found that there are 1 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5130 Celebration Drive Mississauga ON L5M 8B4	97.7	12

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 14 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 1 con 9 ON ***Well ID:*** 7293389	0.0	1
	lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292425	0.0	2
	lot 1 con 9 ON ***Well ID:*** 7279919	9.5	3
	lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292424	11.4	4
	Mississauga ON ***Well ID:*** 7283290	15.2	7
	lot 1 con 9 ON ***Well ID:*** 2804137	58.0	8
	lot 1 con 10 ON ***Well ID:*** 2803352	96.0	11
	lot 1 con 10 ON ***Well ID:*** 2803939	173.0	15
	lot 1 con 10 ON ***Well ID:*** 2802701	192.8	16
	lot 1 con 9 ON ***Well ID:*** 2802670	206.8	17
	lot 1 con 1 ON	211.8	18

Site	Address	Distance (m)	Map Key
	Well ID: 2806945		
	lot 1 con 9 ON	243.7	19
	Well ID: 2802669		
	lot 2 con 10 MISSISSAUGA ON	292.9	25
	Well ID: 4909838		
	lot 2 con 10 MISSISSAUGA ON	292.9	25
	Well ID: 4909837		

Map : 0.3 Kilometer Radius

Order No: 20181107166

Address: 5150 Ninth Line, Mississauga, ON, L5M 0R5

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

79°45'W

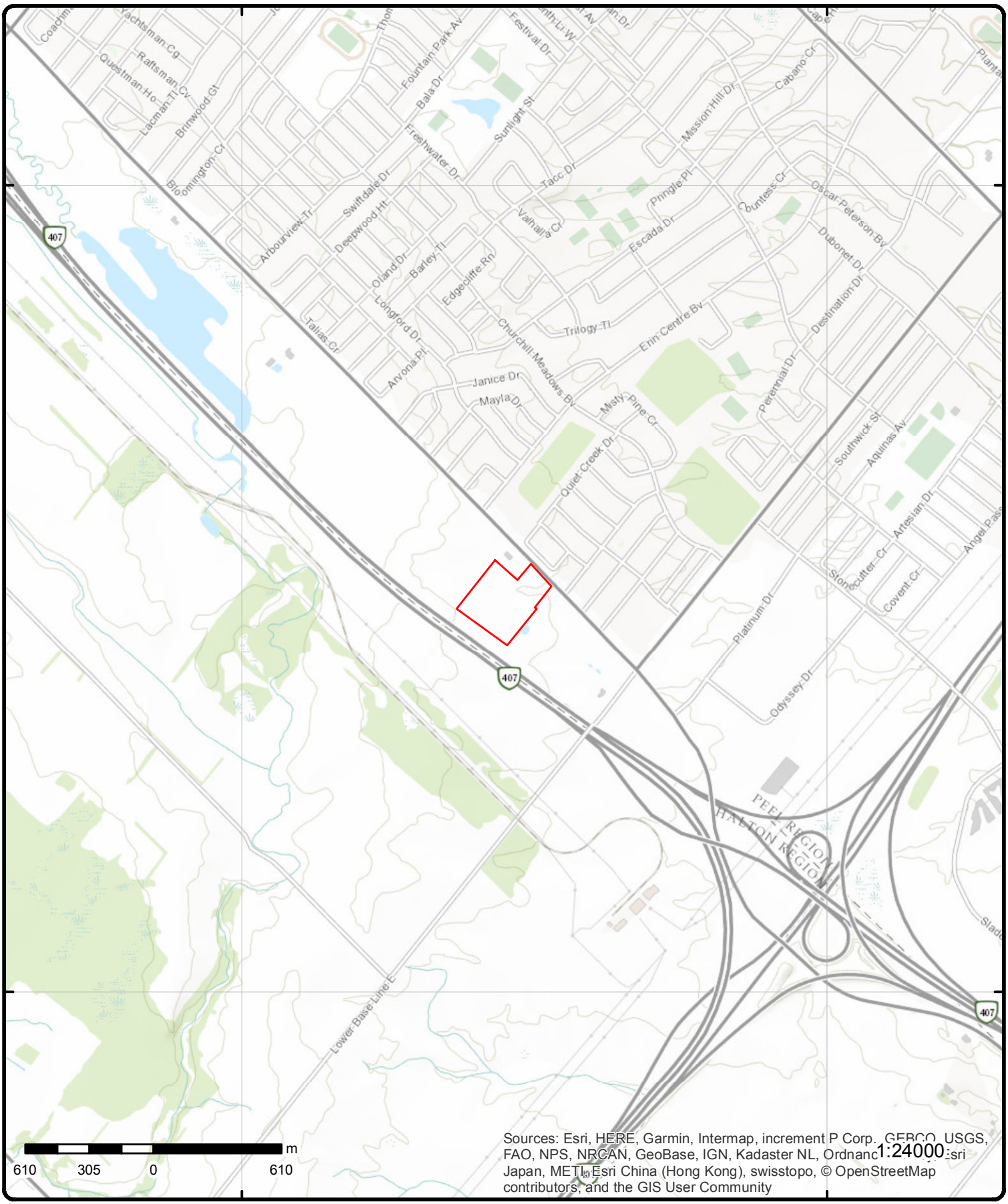
Aerial (2017)

Address: 5150 Ninth Line, Mississauga, ON, L5M 0R5

Source: ESRI World Imagery

Order No: 20181107166

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 5150 Ninth Line, Mississauga, ON, L5M 0R5

Source: ESRI World Topographic Map

Order No: 20181107166

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	191.0 / 1.13	lot 1 con 9 ON	WWIS

Well ID:	7293389	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/24/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7360
Casing Material:		**Form Version:**	8
Audit No:	C38677	**Owner:**	
Tag:	A227427	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006713396	**Elevation:**	192.11
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601808
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821207
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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	-/0.0	190.8 / 1.00	lot 1 con 9 MISSISSAUGA ON	WWIS

Well ID:	7292425	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/14/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z259508	**Owner:**	

Tag:	A227427	**Street Name:**	5170 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006710286	**Elevation:**	192.11
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601807
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821201
Cluster Kind:		**UTMRC:**	3
Date Completed:	30-JUN-17	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1006858638
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858639
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	2

Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858640
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	14
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858647
Layer:	1
Plug From:	0
Plug To:	14
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858648
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006858646
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006858637
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006858643
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15

Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006858644
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006858642
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006858641
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

3 | ***1 of 1*** | ***ESE/9.5*** | ***189.8 / 0.00*** | ***lot 1 con 9 ON*** | ***WWIS***

Well ID:	7279919	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	1/30/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7147
Casing Material:		**Form Version:**	8
Audit No:	C35694	**Owner:**	
Tag:	A216288	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006348193	**Elevation:**	189.95
DP2BR:		**Elevrc:**	

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

Spatial Status:		**Zone:**	17
Code OB:		**East83:**	602008
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821192
Cluster Kind:		**UTMRC:**	4
Date Completed:		**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:			

4	1 of 1	NNE/11.4	189.9 / 0.08	lot 1 con 9 MISSISSAUGA ON	WWIS

Well ID:	7292424	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/14/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z259507	**Owner:**	
Tag:	A227426	**Street Name:**	2170 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006710283	**Elevation:**	191.02
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601936
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821330
Cluster Kind:		**UTMRC:**	3
Date Completed:	30-JUN-17	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1006858618
Layer:	2
Color:	6
General Color:	BROWN

Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	2
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858619
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	14
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858617
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858627
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858626
Layer:	1
Plug From:	0
Plug To:	14
Plug Depth UOM:	ft

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

Method of Construction & Well Use

Method Construction ID:	1006858625
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006858616
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006858622
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006858623
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006858621
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006858620
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

5	***1 of 10***	***NNE/13.3***	***189.8 / 0.00***	***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.*** ***5170 NINTH LINE*** ***MISSISSAUGA ON L5M 0R5***	***GEN***

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

Generator No.: ON4102838
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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5 | **2 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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5 | **3 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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5 | **4 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.** | **GEN**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				5170 NINTH LINE MISSISSAUGA ON L5M 0R5	

Generator No.: ON4102838
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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5 | **5 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL**
5170 NINTH LINE RR 2
HORNBY ON | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 03,04,05
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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5 | **6 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	7 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	8 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	9 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status: Registered
Approval Years: As of Jun 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312 P
Waste Description: Pathological wastes

Waste Code: 264 L
Waste Description: Photoprocessing wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	10 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 2	N/13.9	190.8 / 1.00	5150 9 Line Mississauga ON L5M0R5	EHS

Order No: 20170125138
Status: C
Report Type: Standard Report
Date Received: 25-JAN-17
Report Date: 01-FEB-17
Client Prov/State: ON
Previous Site Name:
Report Requested by: Sirati & Partners Consultants Ltd.
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.738666
Y: 43.538211
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	2 of 2	N/13.9	190.8 / 1.00	5150 9 Line Mississauga ON L5M0R5	EHS

Order No: 20170125138
Status: C
Report Type: Standard Report
Date Received: 25-JAN-17
Report Date: 01-FEB-17
Client Prov/State: ON
Previous Site Name:
Report Requested by: Sirati & Partners Consultants Ltd.
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.738666
Y: 43.538211
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 1	SW/15.2	190.9 / 1.05	Mississauga ON	WWIS

Well ID: 7283290
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:

Data Entry Status:
Data Src:
Date Received: 3/15/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7472
Form Version: 7

Audit No:	Z252633	**Owner:**	
Tag:	A222847	**Street Name:**	5150 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006367626	**Elevation:**	192.04
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601809
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821137
Cluster Kind:		**UTMRC:**	4
Date Completed:	12-FEB-17	**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:	1006598116
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	34
Other Materials:	TILL
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598124
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598123

Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006598122
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006598115
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006598119
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006598120
Layer: 1
Slot: 10
Screen Top Depth: 15
Screen End Depth: 25
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.5

Water Details

Water ID: 1006598118
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006598117
Diameter: 7.5
Depth From: 0
Depth To: 25
Hole Depth UOM: ft
Hole Diameter UOM: inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	E/58.0	188.9 / -0.96	lot 1 con 9 ON	WWIS

Well ID: 2804137
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/10/1973
Selected Flag: Yes
Abandonment Rec:
Contractor: 3637
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot: 001
Concession: 09
Concession Name: NS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10150661
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 19-AUG-72
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 188.18
Elevrc:
Zone: 17
East83: 602089.6
Org CS:
North83: 4821230
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931434682
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 14
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434681
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434683
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 52
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434686
Layer: 7
Color: 8
General Color: BLACK
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 74
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434684
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 52

Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434680
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434685
Layer: 6
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 74
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962804137
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10699231
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930256176
Layer: 2
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 74
Casing Diameter: 32
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930256175
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 71
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992804137
Pump Set At:
Static Level: 18
Final Level After Pumping: 72
Recommended Pump Depth: 70
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934177756
Test Type: Recovery
Test Duration: 15
Test Level: 71
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934711574
Test Type: Recovery
Test Duration: 45
Test Level: 69
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934971897
Test Type: Recovery
Test Duration: 60
Test Level: 68
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934452798
Test Type: Recovery

Test Duration: 30
Test Level: 70
Test Level UOM: ft

Water Details

Water ID: 933606859
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74
Water Found Depth UOM: ft

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9 ***1 of 3*** ***SE/67.1*** ***189.0 / -0.86*** ***5080 9 Line Mississauga ON L5M0R5*** ***EHS***

Order No: 20161125005
Status: C
Report Type: Custom Report
Date Received: 25-NOV-16
Report Date: 01-DEC-16
Client Prov/State: ON
Previous Site Name:
Report Requested by: Safetech Environmental
Nearest Intersection:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos

Municipality: MISSISSAUGA
Lot/Building Size:
X: -79.736873
Y: 43.535956
Search Radius (km): .25

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9 ***2 of 3*** ***SE/67.1*** ***189.0 / -0.86*** ***5080 Ninth Line Mississauga ON*** ***EHS***

Order No: 20160712092
Status: C
Report Type: Custom Report
Date Received: 12-JUL-16
Report Date: 15-JUL-16
Client Prov/State: ON
Previous Site Name:
Report Requested by: Sirati & Partners Consultants Ltd.
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.73709
Y: 43.536212
Search Radius (km): .25

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9 ***3 of 3*** ***SE/67.1*** ***189.0 / -0.86*** ***5080 9th LINE MILTON ON*** ***HINC***

External File Num: FS INC 0807-03946
Date of Occurrence: 7/17/2008
Fuel Occurrence Type: Vapour Release
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: Yes
Property Damage: No
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:Yes Management:No Human Factors:Yes
Reported Details: Homeowner hit gas meter with bobcat.
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Halton

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

Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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10 | ***1 of 1*** | ***ESE/73.0*** | ***188.8 / -1.03*** | ***5080 Ninth Line Milton ON*** | ***EHS***

Order No:	20180717035	***Municipality:***	
Status:	C	***Lot/Building Size:***	
Report Type:	Standard Express Report	***X:***	-79.736876
Date Received:	17-JUL-18	***Y:***	43.536319
Report Date:	17-JUL-18	***Search Radius (km):***	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	S2S Environmental Inc.		
Nearest Intersection:			
Additional Info Ordered:			

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11 | ***1 of 1*** | ***E/96.0*** | ***187.9 / -1.96*** | ***lot 1 con 10 ON*** | ***WWIS***

Well ID:	2803352	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/13/1970
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4602
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	10
Overburden/Bedrock:		***Concession Name:***	NS
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:	10149894	***Elevation:***	187.84
DP2BR:	73	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	602154.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	4821263
Cluster Kind:		***UTMRC:***	4
Date Completed:	20-APR-70	***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:	931431702
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431703
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	67
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431701
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431704
Layer:	4
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 67
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931431705
Layer: 5
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 73
Formation End Depth: 76
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962803352
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10698464
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930254921
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930254920
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 73
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	992803352
Pump Set At:	
Static Level:	18
Final Level After Pumping:	72
Recommended Pump Depth:	73
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934166601
Test Type:	Draw Down
Test Duration:	15
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934450131
Test Type:	Draw Down
Test Duration:	30
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934969645
Test Type:	Draw Down
Test Duration:	60
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934709335
Test Type:	Draw Down
Test Duration:	45
Test Level:	72
Test Level UOM:	ft

Water Details

Water ID:	933605729
Layer:	1
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	67
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	NE/97.7	189.8 / 0.00	5130 Celebration Drive Mississauga ON L5M 8B4	SPL

Ref No:	1875-8JQE9P	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	7/13/2011	**Client Type:**	
Year:		**Sector Type:**	
Incident Cause:		**Source Type:**	
Incident Event:		**Nearest Watercourse:**	
Contaminant Code:	n/a	**Site Name:**	Residence<UNOFFICIAL>
Contaminant Name:	REFRIGERANT GAS R22	**Site Address:**	5130 Celebration Drive
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site County/District:**	
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:	3.5 kg	**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	Mississauga
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
Health/Env Conseq:		**Easting:**	
MOE Response:		**Site Geo Ref Accu:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Meth:**	
MOE Reported Dt:	7/13/2011	**Site Map Datum:**	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	TSSA - Fuel Safety Branch		
Incident Reason:			
Incident Summary:	TSSA: refrigerant leak		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	1 of 1	SE/97.9	188.8 / -1.00	5080 Ninth Line Milton ON	EHS

Order No:	20180726095	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736865
Date Received:	08-AUG-18	**Y:**	43.535974
Report Date:	14-AUG-18	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	WSP Canada Group Limited		
Nearest Intersection:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	1 of 3	SE/98.3	188.8 / -1.00	5080 9 Line Mississauga ON L5M0R5	EHS

Order No:	20161125005	**Municipality:**	MISSISSAUGA
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736873
Date Received:	25-NOV-16	**Y:**	43.535956
Report Date:	01-DEC-16	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Safetech Environmental		
Nearest Intersection:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	2 of 3	SE/98.3	188.8 / -1.00	5080 9 Line Milton ON L5M0R5	EHS

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

Order No:	20161220145	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736877
Date Received:	20-DEC-16	**Y:**	43.535959
Report Date:	29-DEC-16	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Soil Engineers Ltd.		
Nearest Intersection:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	3 of 3	SE/98.3	188.8 / -1.00	5080 9 Line Milton ON L5M0R5	EHS

Order No:	20161220145	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736877
Date Received:	20-DEC-16	**Y:**	43.535959
Report Date:	29-DEC-16	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Soil Engineers Ltd.		
Nearest Intersection:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	1 of 1	E/173.0	186.3 / -3.58	lot 1 con 10 ON	WWIS

Well ID:	2803939	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/1/1972
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1307
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	NS
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:	10150466	**Elevation:**	187.26
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	602234.6
Code OB Desc:	Overburden	**Org CS:**	
Open Hole:		**North83:**	4821303
Cluster Kind:		**UTMRC:**	4
Date Completed:	01-SEP-72	**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: 931433823
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931433824
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 55
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931433825
Layer: 4
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 63
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931433822
Layer: 1

Color:	6
General Color:	BROWN
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962803939
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10699036
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930255850
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	65
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992803939
Pump Set At:	
Static Level:	35
Final Level After Pumping:	62
Recommended Pump Depth:	62
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934971329
Test Type:	Draw Down

Test Duration:	60
Test Level:	61
Test Level UOM:	ft

Water Details

Water ID:	933606566
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

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16 | ***1 of 1*** | ***E/192.8*** | ***185.8 / -4.00*** | ***lot 1 con 10 ON*** | ***WWIS***

Well ID:	2802701	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/25/1967
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4602
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	NS
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:	10149250	**Elevation:**	186.04
DP2BR:	73	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602252.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	4821259
Cluster Kind:		**UTMRC:**	5
Date Completed:	01-SEP-67	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931429373
Layer:	2
Color:	2
General Color:	GREY

Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 32
Formation End Depth: 44
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429375
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 68
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429374
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 44
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429372
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931429376
Layer:	5
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	73
Formation End Depth:	111
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802701
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697820
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253926
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	73
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930253927
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	111
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802701
Pump Set At:	
Static Level:	21
Final Level After Pumping:	111
Recommended Pump Depth:	109

Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933604816
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

Water Details

Water ID:	933604815
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

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17 | ***1 of 1*** | ***ESE/206.8*** | ***186.8 / -3.00*** | ***lot 1 con 9 ON*** | ***WWIS***

Well ID:	2802670	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/9/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1612
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	10149219	**Elevation:**	188.01
DP2BR:	83	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602206.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	4821138

Cluster Kind:
Date Completed: 25-MAY-65
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931429271
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429273
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429274
Layer: 4
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 83
Formation End Depth: 111
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931429272
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	62
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802670
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697789
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253889
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	83
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930253890
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	111
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802670
Pump Set At:	
Static Level:	16
Final Level After Pumping:	111
Recommended Pump Depth:	106

Pumping Rate:	1
Flowing Rate:	
Recommended Pump Rate:	1
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933604784
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110
Water Found Depth UOM:	ft

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18 ***1 of 1*** ***ESE/211.8*** ***186.8 / -3.00*** ***lot 1 con 1 ON*** ***WWIS***

Well ID:	2806945	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/18/1988
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4868
Casing Material:		***Form Version:***	1
Audit No:	07770	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	NS
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:	10153208	***Elevation:***	188.01
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	602206.6
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	4821130
Cluster Kind:		***UTMRC:***	3
Date Completed:	30-JUN-88	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931445013
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	14
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445012
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445015
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	50
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445011
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	

Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931445014
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3: 73
Other Materials: HARD
Formation Top Depth: 45
Formation End Depth: 50
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933139644
Layer: 1
Plug From: 0
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962806945
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10701778
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930260573
Layer: 3
Material:
Open Hole or Material:
Depth From:
Depth To: 55
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930260571
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	4
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930260572
Layer:	2
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	54
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992806945
Pump Set At:	
Static Level:	28
Final Level After Pumping:	49
Recommended Pump Depth:	50
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934710496
Test Type:	Recovery
Test Duration:	45
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934177319
Test Type:	Recovery
Test Duration:	15
Test Level:	48
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934451345
Test Type:	Recovery
Test Duration:	30

Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934971470
Test Type: Recovery
Test Duration: 60
Test Level: 46
Test Level UOM: ft

Water Details

Water ID: 933610377
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 20
Water Found Depth UOM: ft

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19 | **1 of 1** | **ESE/243.7** | **186.2 / -3.68** | **lot 1 con 9 ON** | **WWIS**

Well ID: 2802669
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/12/1964
Selected Flag: Yes
Abandonment Rec:
Contractor: 1612
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot: 001
Concession: 09
Concession Name: NS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10149218
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 08-JAN-64
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 188.02
Elevrc:
Zone: 17
East83: 602231.6
Org CS:
North83: 4821108
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID:	931429267
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429269
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429268
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429270
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 83
Formation End Depth: 86
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962802669
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10697788
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930253888
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 86
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992802669
Pump Set At:
Static Level: 19
Final Level After Pumping: 80
Recommended Pump Depth: 81
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 2
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: N

Water Details

Water ID: 933604783
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 86
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	NW/248.0	194.8 / 5.00	0 Ninth Line Mississauga ON	EHS

Order No: 20180626146
Status: C
Report Type: Custom Report
Date Received: 26-JUN-18
Report Date: 04-JUL-18
Client Prov/State: ON
Previous Site Name:
Report Requested by: Parsons Inc.
Nearest Intersection:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory

Municipality:
Lot/Building Size:
X: -79.742187
Y: 43.539228
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 1	NNW/249.3	191.8 / 2.00	3955 Erin Centre Boulevard Mississauga ON	EHS

Order No: 20070307015
Status: C
Report Type: CAN - Custom Report
Date Received: 3/7/2007
Report Date: 3/12/2007
Client Prov/State:
Previous Site Name:
Report Requested by: Pinchin Environmental
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.740038
Y: 43.540536
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
22	1 of 1	NNW/261.9	191.8 / 2.00	5356 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	HINC

External File Num: FS INC 0809-05501
Date of Occurrence: 9/18/2008
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Peel
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	1 of 1	N/263.8	190.8 / 1.00	5280 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	HINC

External File Num: FS INC 0809-05495
Date of Occurrence: 9/10/2008
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas

Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Peel
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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24 | ***1 of 1*** | ***NNW/287.2*** | ***193.6 / 3.74*** | ***5320 9 Line Mississauga ON L5M0R5*** | ***EHS***

Order No:	20170508141	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Standard Report	**X:**	-79.74143
Date Received:	08-MAY-17	**Y:**	43.540383
Report Date:	12-MAY-17	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Pinchin Ltd.		
Nearest Intersection:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

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25 | ***1 of 2*** | ***NNW/292.9*** | ***192.2 / 2.31*** | ***lot 2 con 10 MISSISSAUGA ON*** | ***WWIS***

Well ID:	4909837	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	7/15/2005
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7268
Casing Material:		**Form Version:**	3
Audit No:	Z07985	**Owner:**	
Tag:	A007907	**Street Name:**	5247 9TH LINE
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	10
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:	11323570	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		**Zone:**	
Code OB:	u	**East83:**	
Code OB Desc:	all layers are unknown type	**Org CS:**	
Open Hole:		**North83:**	
Cluster Kind:		**UTMRC:**	
Date Completed:	01-MAY-04	**UTMRC Desc:**	
Remarks:		**Location Method:**	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933021571
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	30
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272812
Layer:	6
Plug From:	6
Plug To:	0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272814
Layer:	4
Plug From:	17
Plug To:	9
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272816
Layer:	3
Plug From:	20
Plug To:	17
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272817

Layer: 2
Plug From: 25
Plug To: 20
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272813
Layer: 5
Plug From: 9
Plug To: 6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272815
Layer: 1
Plug From: 30
Plug To: 25
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 964909837
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11338425
Casing No: 1
Comment:
Alt Name:

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25 ***2 of 2*** ***NNW/292.9*** ***192.2 / 2.31*** ***lot 2 con 10 MISSISSAUGA ON*** ***WWIS***

Well ID: 4909838
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z07984
Tag: A007906
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 7/15/2005
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7268
Form Version: 3
Owner:
Street Name: 5247 9TH LINE
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot: 002
Concession: 10
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	11323571	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	_	***East83:***	
Code OB Desc:	No formation data	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	
Date Completed:	01-MAY-04	***UTMRC Desc:***	
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933272819
Layer:	7
Plug From:	7
Plug To:	0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272818
Layer:	6
Plug From:	18
Plug To:	7
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272822
Layer:	3
Plug From:	50
Plug To:	48
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272820
Layer:	5
Plug From:	28
Plug To:	18
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272823
Layer:	1
Plug From:	70
Plug To:	60

Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272824
Layer: 2
Plug From: 60
Plug To: 50
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272821
Layer: 4
Plug From: 48
Plug To: 28
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 964909838
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11338426
Casing No: 1
Comment:
Alt Name:

Unplottable Summary

Total: 9 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
SPL	Enbridge Gas Distribution Inc.	Hydro Corridor south of Hwy 407 and 600m east of 9th Line	Mississauga ON	
SPL	Freedom Group Inc.<UNOFFICIAL>	Hwy 407, east of Bramalea, Westbound lanes	Mississauga ON	
SPL	Aecon Construction and Materials Limited	Hwy 407 W, E of Mississauga Rd	Mississauga ON	
SPL		Westbound 407, past Winston Churchill<UNOFFICIAL>	Mississauga ON	
SPL	GRAFF CONCRETE	HWY.407 EASTBOUND, WEST OF MISSISSAUGA RD. MOTOR VEHICLE (OPERATING FLUID)	MISSISSAUGA CITY ON	
SPL		HWY 407 EB on ramp at merger point from 401 E (Exit 333)<UNOFFICIAL>	Mississauga ON	
SPL		407 westbound, east of Hurontario	Mississauga ON	
SPL	HK United truck<UNOFFICIAL>	Highway 407 westbound at Winston Churchill	Mississauga ON	
WWIS		lot 2	ON	

Unplottable Report

Site: ***Enbridge Gas Distribution Inc.***
Hydro Corridor south of Hwy 407 and 600m east of 9th Line Mississauga ON

Database: ***SPL***

Ref No:	4667-9USNYH	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	3/20/2015	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	Leak/Break	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	15	***Site Name:***	Spill Site<UNOFFICIAL>
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Hydro Corridor south of Hwy 407 and 600m east of 9th Line
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0.5 L	***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	N	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	3/20/2015	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Land Spills		
Incident Reason:	Unknown / N/A		
Incident Summary:	Enbridge - 1/2L hydraulic oil to ground		

Site: ***Freedom Group Inc.<UNOFFICIAL>***
Hwy 407, east of Bramalea, Westbound lanes Mississauga ON

Database: ***SPL***

Ref No:	5670-A3QP37	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	10/28/2015	***Client Type:***	
Year:		***Sector Type:***	Miscellaneous Industrial
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	13	***Site Name:***	Hwy 407<UNOFFICIAL>
Contaminant Name:	DIESEL FUEL	***Site Address:***	Hwy 407, east of Bramalea, Westbound lanes
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	10 L	***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	4840144
Health/Env Conseq:		***Easting:***	606404
MOE Response:	No	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	10/28/2015	***Site Map Datum:***	
Dt Document Closed:	11/7/2015		
Agency Involved:			
SAC Action Class:	Highway Spills (usually highway accidents)		
Incident Reason:	Operator/Human Error		
Incident Summary:	TT diesel spill on hwy 407,clnd		

Site: ***Aecon Construction and Materials Limited***
Hwy 407 W, E of Mississauga Rd Mississauga ON

Database: ***SPL***

Ref No:	2300-8GJFP7	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/4/2011	***Client Type:***	
Year:		***Sector Type:***	Motor Vehicle
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	13	***Site Name:***	ditch<UNOFFICIAL>
Contaminant Name:	DIESEL FUEL	***Site Address:***	Hwy 407 W, E of Mississauga Rd
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	208 L	***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	No Field Response	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	5/4/2011	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Highway Spills (usually highway accidents)		
Incident Reason:			
Incident Summary:	Aecon: Hwy 407, 208L diesel to ditch		

Site:
Westbound 407, past Winston Churchill<UNOFFICIAL> Mississauga ON

Database: ***SPL***

Ref No:	6314-7JYJ2W	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	Other Transport Accident	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	15	***Site Name:***	Westbound 407, past Winston Churchill<UNOFFICIAL>
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	15 L	***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	No Field Response	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	9/30/2008	***Site Map Datum:***	
Dt Document Closed:	12/2/2008		
Agency Involved:			
SAC Action Class:	Highway Spills (usually highway accidents)		
Incident Reason:	Unknown - Reason not determined		
Incident Summary:	15 L of fuel to ditch-clean-up initiated		

Site: ***GRAFF CONCRETE***
HWY.407 EASTBOUND, WEST OF MISSISSAUGA RD. MOTOR VEHICLE (OPERATING FLUID) MISSISSAUGA CITY ON

Database: ***SPL***

Ref No:	232345	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/17/2002	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	21102
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	7/17/2002	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:	REGION OF PEEL, OPP		
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	GRAFF CONCRETE: 100 L DIESEL FUEL TO DITCH. CLEANING.		

Site: ***Database:*** ***SPL***

HWY 407 EB on ramp at merger point from 401 E (Exit 333)<UNOFFICIAL> Mississauga ON

Ref No:	3282-6GH2SN	***Discharger Report:***	0
Site No:		***Material Group:***	Oil
Incident Dt:	9/22/2005	***Client Type:***	
Year:		***Sector Type:***	Transport Truck
Incident Cause:	Other Transport Accident	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	HWY 407 EB on ramp at merger point from 401 E (Exit 333)<UNOFFICIAL>
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	9/22/2005	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Spills to Highways (usually highway accidents)		
Incident Reason:	Unknown - Reason not determined		
Incident Summary:	HWY 407 Eastbound on ramp - saddle tank rupture		

Site: ***Database:*** ***SPL***

407 westbound, east of Hurontario Mississauga ON

Ref No:	6470-6ARM5C	***Discharger Report:***	0
Site No:		***Material Group:***	Oil
Incident Dt:	3/23/2005	***Client Type:***	
Year:		***Sector Type:***	Transport Truck
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	MVA - 407<UNOFFICIAL>

Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	3/23/2005	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Spill to Highway (Accident)		
Incident Reason:			
Incident Summary:	407 west, 100 L diesel to grassy area		

Site: ***HK United truck<UNOFFICIAL>***
Highway 407 westbound at Winston Churchill Mississauga ON

Database: ***SPL***

Ref No:	1143-8JXGT3	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/20/2011	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	15	***Site Name:***	Highway 407<UNOFFICIAL>
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	Highway 407 westbound at Winston Churchill
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	20 L	***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination; Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	Planned Field Response	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	7/20/2011	***Site Map Datum:***	
Dt Document Closed:	8/26/2011		
Agency Involved:			
SAC Action Class:	Watercourse Spills		
Incident Reason:			
Incident Summary:	HK United: 20 L oil to ditch		

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	6713515	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/3/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2663
Casing Material:		***Form Version:***	1
Audit No:	220638	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	PEEL TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10477348
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 25-SEP-00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932662558
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 211
Formation End Depth: 213
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932662557
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 211
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932662556
Layer: 1
Color:
General Color:

Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933211459
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966713515
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11025918
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930777780
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930777781
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996713515
Pump Set At:
Static Level: 33
Final Level After Pumping: 35

Recommended Pump Depth:
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934620200
Test Type: Draw Down
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934355635
Test Type: Draw Down
Test Duration: 15
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935133519
Test Type: Draw Down
Test Duration: 60
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934872464
Test Type: Draw Down
Test Duration: 45
Test Level: 35
Test Level UOM: ft

Water Details

Water ID: 933968308
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 213
Water Found Depth UOM: ft

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 2018

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-Nov 2016

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

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-Jul 31, 2018

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jul 31, 2018

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 - Jul 2018

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-Sep 2018

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-Jul 31, 2018

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-Nov 30, 2017

Dry Cleaning Facilities: Federal DRYCLEANERS

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 2016

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-Sep 30, 2018

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-Jul 31, 2018

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-Sep 30, 2018

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-Jul 31, 2018

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

List of TSSA Expired Facilities: Provincial EXP

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Aug 2018

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2017

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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-June 30, 2018

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 2016

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*

TSSA Incidents: Provincial INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Sep 30, 2017

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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

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 2018

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, 2016

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 National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2018

National Energy Board Wells: Federal NEBW

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 OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main 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-August 31, 2018

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-May 2018

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-Jul 31, 2018

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: 1988-Mar 2018

TSSA Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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-Jul 31, 2018

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-Sep 2018

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-Jul 31, 2018

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jul 2018

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, 2016

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-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Sep 30, 2018

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31, 2017

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix D – Regulatory Requests

tanner.leonhardt@dsconsultants.ca

From: Public Information Services <publicinformationservices@tssa.org>
Sent: December 12, 2018 8:17 AM
To: tanner.leonhardt@dsconsultants.ca
Subject: RE: UST/AST Search

Good morning Tanner,

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 publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Kind regards,

Sarah

Sarah Quibell | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-877-682-8772 | Fax: +1-416-231-6183 | E-Mail: squibell@tssa.org
www.tssa.org

From: tanner.leonhardt@dsconsultants.ca <tanner.leonhardt@dsconsultants.ca>
Sent: December 11, 2018 4:30 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: UST/AST Search

Hello,

Could you please search your records for:

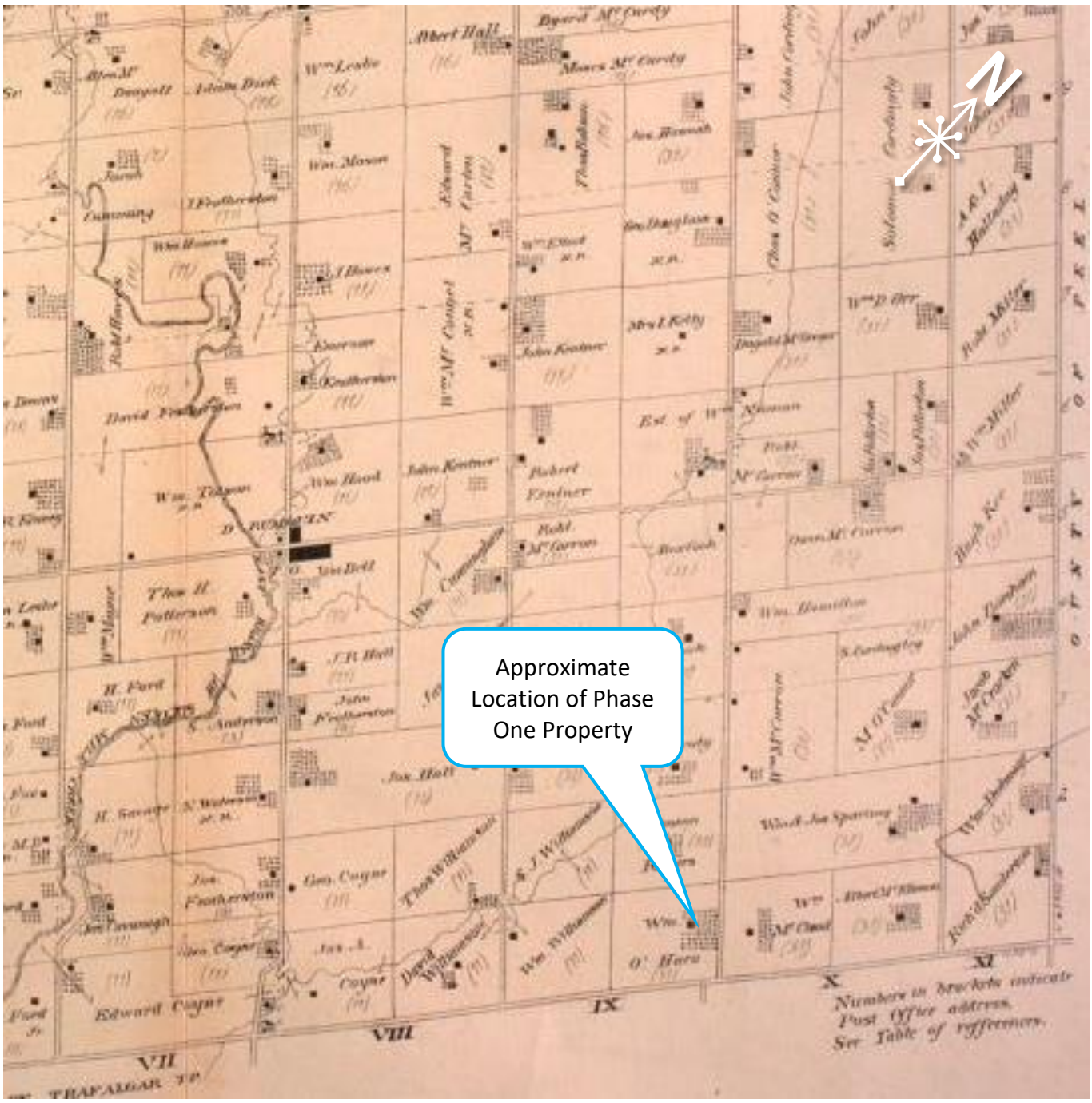
5150 Ninth Line, Mississauga, Ontario

For records of ASTs and/or USTs.

Thank you!

Tanner Leonhardt
Environmental Technician
DS Consultants Ltd.
6221 Hwy. 7, Unit 16, Vaughan, ON, L4H 0K8
Tel: 905-264-9393
Cell: 519-770-7238
www.dsconsultants.ca

Appendix E – Aerial Photographs



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

1880 COUNTY ATLAS: HALTON COUNTY

Scale: NTS	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-1**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

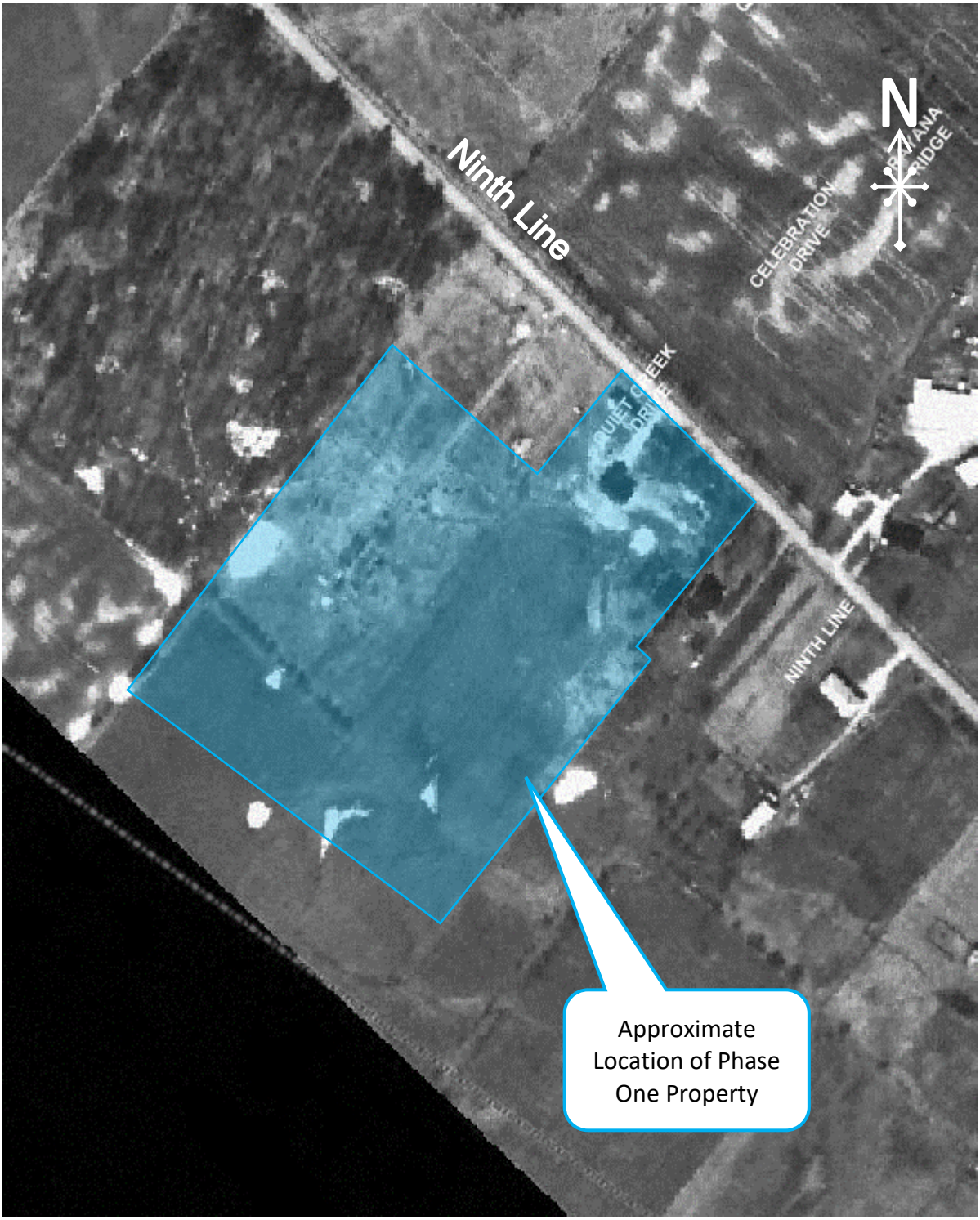
AERIAL PHOTOGRAPH: 1954

Scale: ~1:3800	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-2**

AERIAL PHOTOGRAPH: 1966

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

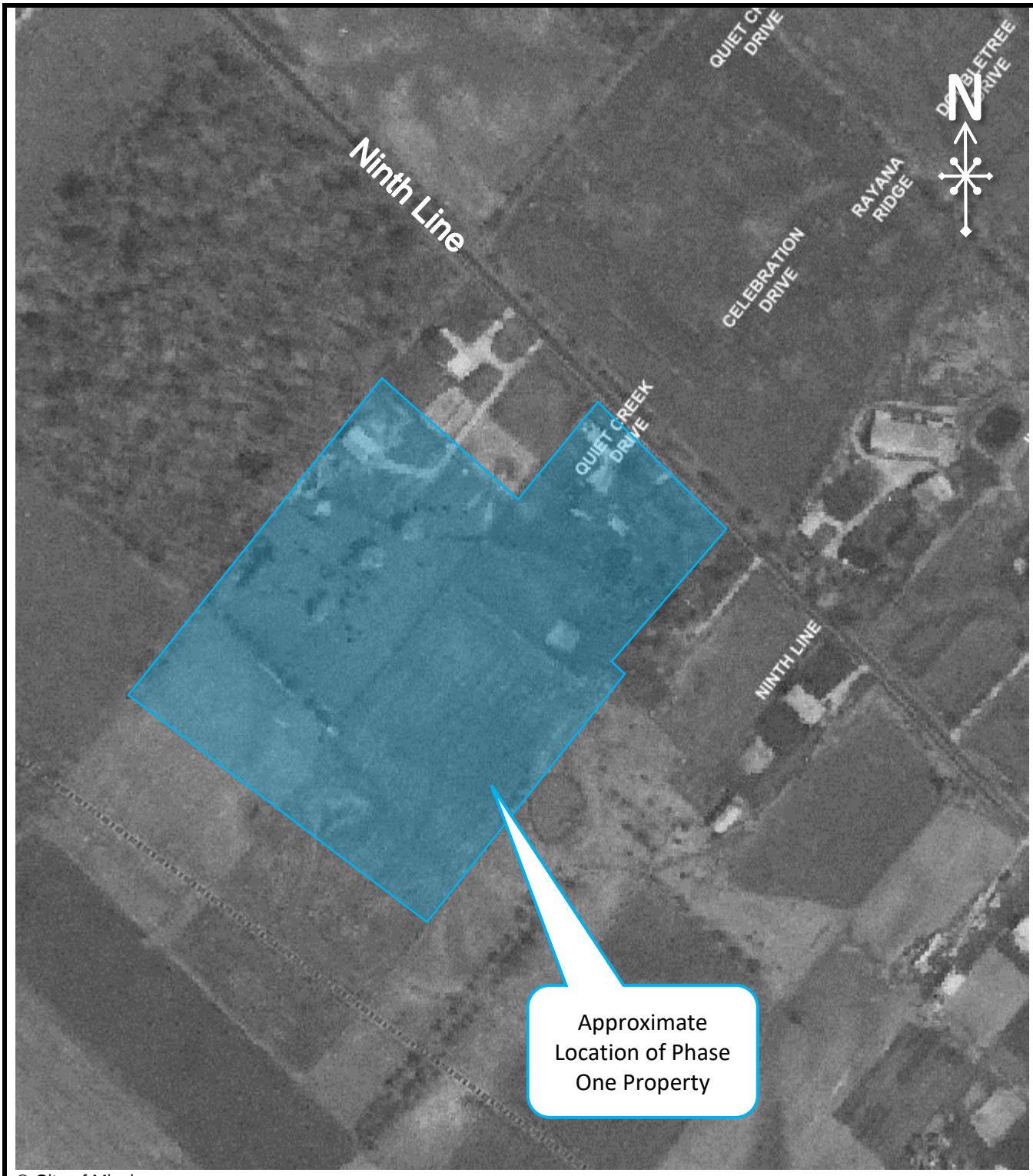
Scale: ~1:3400	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-3**



AERIAL PHOTOGRAPH: 1975

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~1:3400	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **5150 & 5170 Ninth Line, Mississauga, ON**	Prepared By: TL
Date: Jan-19		Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-4**



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 1985

Scale: ~1:3400	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-5**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 1992

Scale: ~1:3300	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **5150 & 5170 Ninth Line, Mississauga, ON**	Prepared By: TL
Date: Jan-19		Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-6**

© Google Earth

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2004

Scale: ~1:3700	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-7**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2013

Scale: ~1:3800	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-8**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2018

Scale: ~1:4200	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-9**

Appendix F – Site Photographs

Picture 1: View of the properties to the east of Site Building A.

Picture 2: View of the rear of Site Building A, along with the shed containing the AST.

Picture 3: View of the AST in the storage shed.

Picture 4: View of residential building to the south of Site Building A.

Picture 5: View of the front of Site Building A.

Picture 6: View of properties adjacent to the east of Site Building A.

Picture 7: View of the adjoining properties to the northeast.

Picture 8: View of the front of Site Building B.

Picture 9: View of the AST in the storage shed.

Picture 10: View of the agricultural barn on the northern portion of the Property.

Picture 11: View of the southern portion of the Property, facing south.

Picture 12: View of Highway 407 from the west side of the Property, facing west.

Picture 13: View of the cell tower on the west side of the Property, facing north.

Picture 14: View of the north adjoining property, from the cellular tower.

Picture 15: View of the cellular tower, with the adjoining transformer.

Picture 16: View of three empty tanks, located on the north side of the Property, facing northeast.

Picture 17: View of the remaining tank, located on the northern side of the Property, facing north.

Picture 18: View of the gravel path along 5170 Ninth Line, facing east from the cellular tower.

Appendix G – Current and Past Uses

"Table of current and past uses of the phase one property" (Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)

5150 Ninth Line, Part Lot 1 Con 9 Trafalgar New Survey as in 367648 except PE167; City of Mississauga, 24931-0106 (LT)

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
Prior to 1830	Crown	Inferred agricultural	Agricultural or other use	None
1830-1831	Charles O'Hara	Inferred agricultural	Agricultural or other use	None
1831-1862	Charles O'Hara Jr.	Inferred agricultural	Agricultural or other use	None
1862-1883	Mary O'Hara	Inferred agricultural	Agricultural or other use	An orchard is present on the Phase One Property in the 1880 County Atlas.
1883-1883	William Bartholomew O'Hara	Inferred agricultural	Agricultural or other use	None
1883-1884	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1884-1885	William Bartholomew O'Hara	Inferred agricultural	Agricultural or other use	None
1885-1948	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1948-1953	Toyne Grice	Inferred agricultural	Agricultural or other use	None
1953-1973	Gabor Szilagyl	Inferred residential and agricultural	Residential/Agricultural	Site Building A has been constructed in the time between 1966 and 1975.

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
1973-Present	Gary Joseph Rynsoever	Inferred residential and agricultural	Residential/Agricultural	Site Building B and C have been constructed in the time between 1980 and 1985 as depicted in the aerial photographs.

Notes:

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

that applies: Agriculture or other use
Commercial use
Community
use Industrial
use
Institutional
use Parkland
use
Residential
use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290

"Table of current and past uses of the phase one property" (Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)

5170 Ninth Line, Part Lot 1 Con 9 Trafalgar New Survey as in 538791 except PE166 & Pt2, 20R14775.; City of Mississauga, 24931-0150 (LT)

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
Prior to 1830	Crown	Inferred agricultural	Agricultural or other use	None
1830-1883	Charles O'Hara	Inferred agricultural	Agricultural or other use	An orchard is present on the Phase One Property in the 1880 County Atlas.
1883-1884	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1884-1885	William Bartholomew O'Hara	Inferred agricultural	Agricultural or other use	None
1885-1948	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1948-1953	Toyne Grice	Inferred agricultural	Agricultural or other use	None
1953-1966	Arthur Willis	Inferred agricultural	Agricultural or other use	None
1966-1967	Victor Alexander Webster	Inferred agricultural	Agricultural or other use	None
1967-1969	Philip J.W. Parsons William Eccelstone William Kelly	Inferred agricultural	Agricultural or other use	None

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
1969-1981	Joseph Runsoever	Inferred residential and agricultural	Residential/Agricultural	Site Building A has been constructed in the time between 1966 and 1975.
1981-2010	Luigi & Rossana Cofini	Inferred residential and agricultural	Residential/Agricultural	Site Building B and C have been constructed in the time between 1980 and 1985 as depicted in the aerial photographs.

Notes:

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

that applies: Agriculture or other use
Commercial use
Community
use Industrial
use
Institutional
use Parkland
use
Residential
use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290

Figures

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 1 - Site Location Plan.qgs

Legend

Approx. Property Boundary

0 150 300 m

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **SITE LOCATION PLAN**

N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: 1

Image/Map Source: *Google Street Map*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 2 - Phase One Property Site Plan.qgs

Legend

Approx. Property Boundary

0 75 150 m

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Client: MATTAMY (5150 NINTH LINE) LIMITED

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

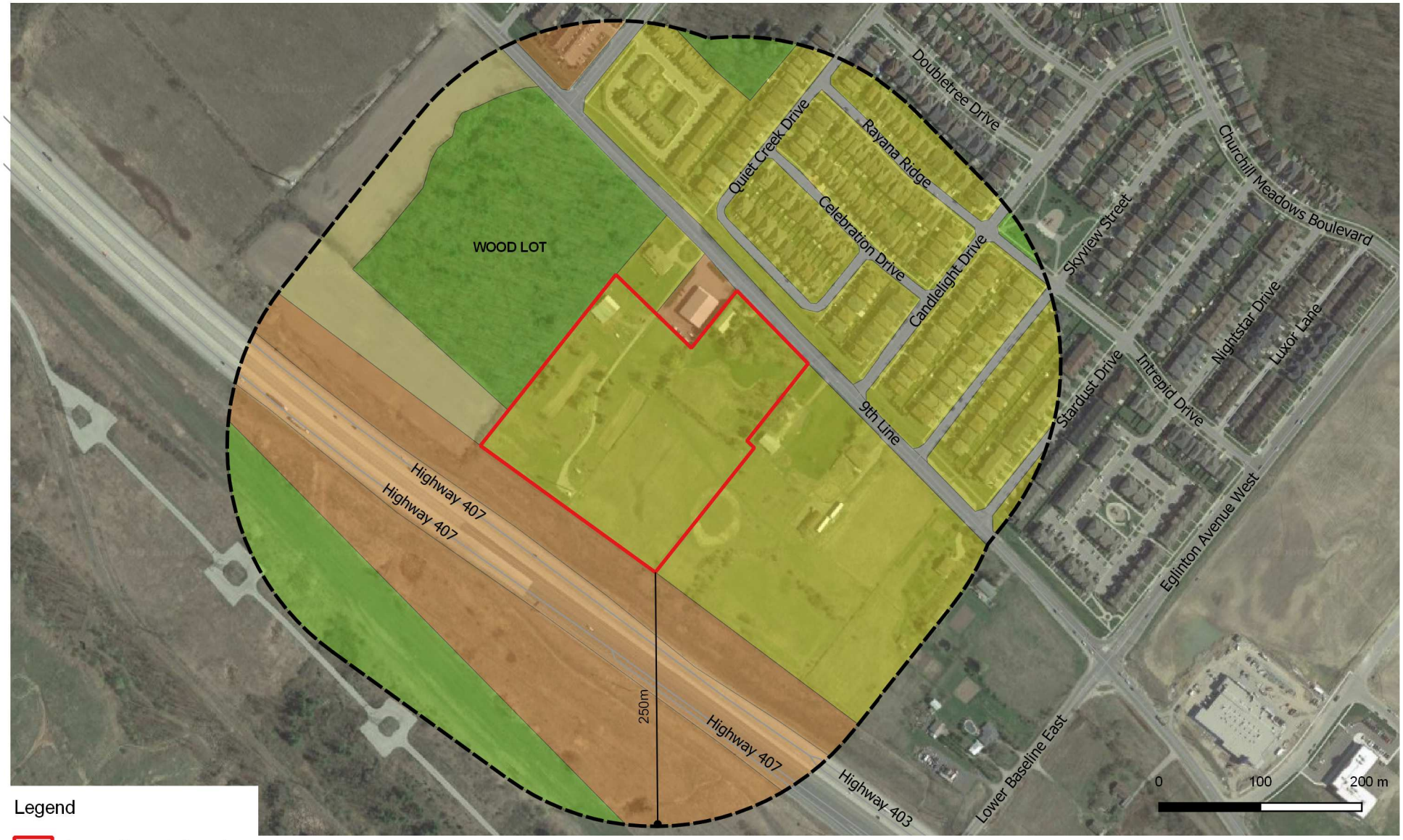
Title: **PHASE ONE PROPERTY SITE PLAN**

N

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: 2

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 3A - Phase One Study Area.qgs



Legend

- Approx. Property Boundary
- 250m Buffer
- Residential Use
- Commercial Use
- Parkland Use
- Agricultural Use

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **PHASE ONE STUDY AREA**

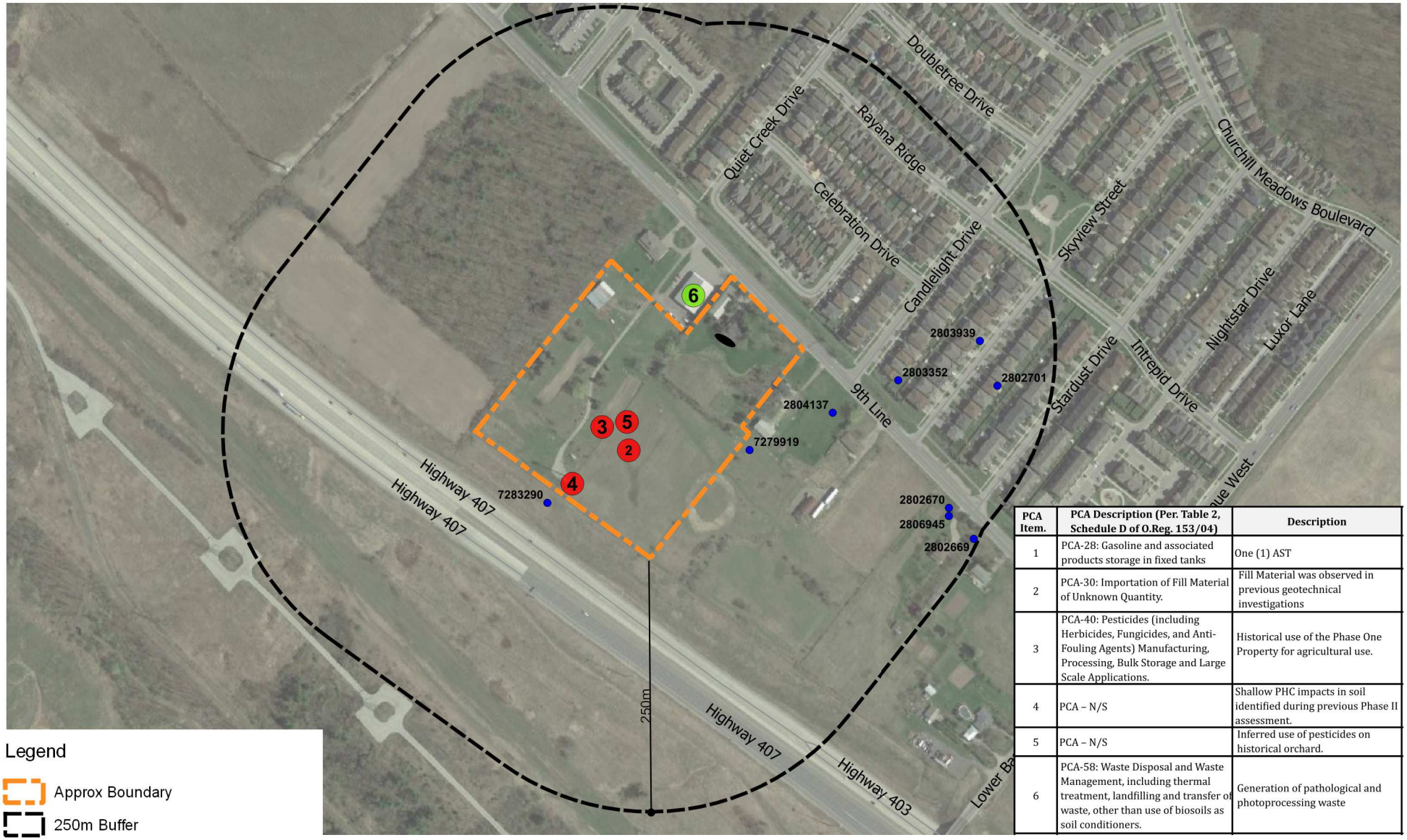
N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: **3A**

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 3B - PCA within Phase One Study Area.qgs



PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description
1	PCA-28: Gasoline and associated products storage in fixed tanks	One (1) AST
2	PCA-30: Importation of Fill Material of Unknown Quantity.	Fill Material was observed in previous geotechnical investigations
3	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	Historical use of the Phase One Property for agricultural use.
4	PCA – N/S	Shallow PHC impacts in soil identified during previous Phase II assessment.
5	PCA – N/S	Inferred use of pesticides on historical orchard.
6	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Generation of pathological and photoprocessing waste

Legend

- Approx Boundary
- 250m Buffer
- Registered Water Well (MECP WWR)
- AST (PCA Item 1)
- PCA Not Contributing to APEC
- PCA Contributing to APEC

0 100 200 m

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **PCA WITHIN PHASE ONE STUDY AREA**

N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: **3B**

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-748 5150 Ninth line\1-QGIS\Phase One\Figure 4 - Summary of APEC on Phase Property.qgs

APEC	PCA	COPCs	Media of Concern
APEC-1	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs, VOCs, Metals	Soil, Groundwater
APEC-2	PCA-30: Importation of Fill Material of Unknown Quantity.	PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-3	PCA-40: Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Applications.	OC Pesticides, metals	Soil
APEC-4	PCA N/S: Shallow PHC impacts in soil identified during previous Phase II assessment.	PHCs	Soil
APEC-5	PCA – N/S: Inferred use of pesticides on historical orchard	OC Pesticides, metals	Soil

Legend

- Approx. Property Boundary
- APEC 1
- APEC 4
- APEC 2,3 & 5

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
5150-5170 Ninth Line, Mississauga,ON

Title: **SUMMARY OF APECs ON PHASE ONE PROPERTY**

N

Client: MATTAMY (5150 NINTH LINE) LIMITED

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	T.L	S.Y	January 2019
Rev: 0	Scale: As Shown	Project No.: 18-748-100	Figure No.: 4

Image/Map Source: *Google Satellite Image*

Appendix A – Plan of Survey

SURVEYOR'S COPY

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE June 14th, 2018

SUNIL PERERA
ONTARIO LAND SURVEYOR

PLAN 20R-21132

RECEIVED AND DEPOSITED

DATE JUNE 15, 2018

"A. TIMBERS"

REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF HALTON (No 20)

SCHEDULE

PART	LOT	CONCESSION	PIN	AREA (ha.)
1	PART OF LOT 1	9 NEW SURVEY	ALL OF PIN 24931-0150 (LT)	1.364
2				0.627
3				0.295
4				0.085
5				0.300
6				0.010
7				0.157
8				0.052
9			ALL OF PIN 24931-0106 (LT)	2.677
10				0.050

PARTS 1 TO 8, INCLUSIVE, COMPRISE ALL OF PIN 24931-0150 (LT).
PARTS 9 AND 10 COMPRISE ALL OF PIN 24931-0106 (LT)
PARTS 6, 7, AND 8 - SUBJECT TO AN EASEMENT AS IN INST. No. HR847329.

PLAN OF SURVEY OF

PART OF LOT 1
CONCESSION 9, NEW SURVEY

GEOGRAPHIC TOWNSHIP OF TRAFALGAR

CITY OF MISSISSAUGA

REGIONAL MUNICIPALITY OF PEEL

SCALE 1 : 500

10 0 10 20 30 metres

J.D. BARNES LIMITED

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

NOTES

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999733.

FOR BEARING COMPARISONS, A ROTATION OF 1°01'20" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON P1, P2, P3 AND P5.

FOR BEARING COMPARISONS, A ROTATION OF 0°01'30" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON D1 AND D2.

INTEGRATION DATA

OBSERVED REFERENCE POINTS (ORPs): UTM ZONE 17, NAD83 (CSRS) (2010.0).

COORDINATES TO URBAN ACCURACY PER SECTION 14 (2) OF O.REG 216/10.

POINT ID	EASTING	NORTHING
ORP (A)	601 738.01	4 821 207.19
ORP (B)	602 060.96	4 820 981.08
ORP (C)	602 006.03	4 821 210.23

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRON BAR
IB	DENOTES	IRON BAR
760	DENOTES	K.H. McCONNELL, O.L.S.
848	DENOTES	W.B. STARR, O.L.S.
950	DENOTES	F.G. CUNNINGHAM, O.L.S.
MEAS	DENOTES	MEASURED
NI	DENOTES	NOT IDENTIFIABLE
P1	DENOTES	EXPROPRIATION PLAN EX-167
P2	DENOTES	PLAN 20R-14775
P3	DENOTES	PLAN 20R-18617
P4	DENOTES	BUILDING LOCATION SURVEY BY FRED G. CUNNINGHAN, O.L.S., DATED MAY 6, 1986
P5	DENOTES	EXPROPRIATION PLAN EX-166
D1	DENOTES	INSTUMENT No. 828362
D2	DENOTES	INSTRUMENT No. 367648
BF	DENOTES	BOARD FENCE
CLF	DENOTES	CHAIN LINK FENCE
PWF	DENOTES	POST & WIRE FENCE

N=NORTH / S=SOUTH / E=EAST / W=WEST

ALL SET SSIB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 11 (4) OF O.REG. 525/91.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 10th DAY OF JUNE, 2018.

June 14th, 2018
DATE

SUNIL PERERA
ONTARIO LAND SURVEYOR

J.D.BARNES LIMITED
SURVEYING MAPPING GIS
LAND INFORMATION SPECIALISTS
401 WHEELABRATOR WAY, SUITE A, MILTON, ON L9T 3C1
T: (905) 875-9955 F: (905) 875-9956 www.jdbarnes.com

DRAWN BY:	CHECKED BY:	REFERENCE NO.:
AP	SP.	17-30-048-01-A

FILE: G:\17-30-048\01\Drawing\17-30-048-01-A.dgn DATED: JUNE 11th, 2018

PLOTTED: 14/06/2018

Appendix B – City Directory Search

Summary of City Directory Search

Address	Location Relative to Phase One Property	Listing	Year(s)	Inferred Property Use
No City Directories were available for the Phase One Property.				

Appendix C – Ecolog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*5150 Ninth Line* *5150 Ninth Line* *Mississauga ON L5M 0R5*
Project No:	*18-748-20*
Report Type:	*RSC Report - Quote*
Order No:	*20181107166*
Requested by:	*Ds Consultants Ltd.*
Date Completed:	*November 14, 2018*

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

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*5150 Ninth Line* *5150 Ninth Line Mississauga ON L5M 0R5*
Project No:	*18-748-20*

Order Information:

Order No:	*20181107166*
Date Requested:	*November 7, 2018*
Requested by:	*Ds Consultants Ltd.*
Report Type:	*RSC Report - Quote*

Historical/Products:

Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
CA	*Certificates of Approval*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DRYCLEANERS	*Dry Cleaning Facilities*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	12	12
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EXP	*List of TSSA Expired Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	10	10
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	3	3
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0
INC	*TSSA Incidents*	Y	0	0	0
LIMO	*Landfill Inventory Management Ontario*	Y	0	0	0
MINE	*Canadian Mine Locations*	Y	0	0	0
MISA PENALTY	*Environmental Penalty Annual Report*	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	12	14
	Total:		2	38	40

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 1 con 9 ON ***Well ID:*** 7293389	-/0.0	1.13	19
2	WWIS		lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292425	-/0.0	1.00	19

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	WWIS		lot 1 con 9 ON ***Well ID:*** 7279919	ESE/9.5	0.00	22
4	WWIS		lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292424	NNE/11.4	0.08	23
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	25
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	26
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON	NNE/13.3	0.00	26
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	26
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL	5170 NINTH LINE RR 2 HORNBY ON	NNE/13.3	0.00	27
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	27
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	28
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	28
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNE/13.3	0.00	29
6	EHS		5150 9 Line Mississauga ON L5M0R5	N/13.9	1.00	29
6	EHS		5150 9 Line Mississauga ON L5M0R5	N/13.9	1.00	29
7	WWIS		Mississauga ON ***Well ID:*** 7283290	SW/15.2	1.05	29
8	WWIS		lot 1 con 9 ON ***Well ID:*** 2804137	E/58.0	-0.96	32
9	EHS		5080 9 Line Mississauga ON L5M0R5	SE/67.1	-0.86	36
9	EHS		5080 Ninth Line Mississauga ON	SE/67.1	-0.86	36
9	HINC		5080 9th LINE MILTON ON	SE/67.1	-0.86	36
10	EHS		5080 Ninth Line Milton ON	ESE/73.0	-1.03	37
11	WWIS		lot 1 con 10 ON ***Well ID:*** 2803352	E/96.0	-1.96	37
12	SPL		5130 Celebration Drive Mississauga ON L5M 8B4	NE/97.7	0.00	41
13	EHS		5080 Ninth Line Milton ON	SE/97.9	-1.00	41
14	EHS		5080 9 Line Mississauga ON L5M0R5	SE/98.3	-1.00	41

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	EHS		5080 9 Line Milton ON L5M0R5	SE/98.3	-1.00	41
14	EHS		5080 9 Line Milton ON L5M0R5	SE/98.3	-1.00	42
15	WWIS		lot 1 con 10 ON ***Well ID:*** 2803939	E/173.0	-3.58	42
16	WWIS		lot 1 con 10 ON ***Well ID:*** 2802701	E/192.8	-4.00	45
17	WWIS		lot 1 con 9 ON ***Well ID:*** 2802670	ESE/206.8	-3.00	48
18	WWIS		lot 1 con 1 ON ***Well ID:*** 2806945	ESE/211.8	-3.00	51
19	WWIS		lot 1 con 9 ON ***Well ID:*** 2802669	ESE/243.7	-3.68	55
20	EHS		0 Ninth Line Mississauga ON	NW/248.0	5.00	58
21	EHS		3955 Erin Centre Boulevard Mississauga ON	NNW/249.3	2.00	58
22	HINC		5356 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	NNW/261.9	2.00	58
23	HINC		5280 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	N/263.8	1.00	58
24	EHS		5320 9 Line Mississauga ON L5M0R5	NNW/287.2	3.74	59
25	WWIS		lot 2 con 10 MISSISSAUGA ON ***Well ID:*** 4909837	NNW/292.9	2.31	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	WWIS		lot 2 con 10 MISSISSAUGA ON ***Well ID:*** 4909838	NNW/292.9	2.31	61

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2018 has found that there are 12 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5150 9 Line Mississauga ON L5M0R5	13.9	6
	5150 9 Line Mississauga ON L5M0R5	13.9	6
	5080 Ninth Line Mississauga ON	67.1	9
	5080 9 Line Mississauga ON L5M0R5	67.1	9
	5080 Ninth Line Milton ON	73.0	10
	5080 Ninth Line Milton ON	97.9	13
	5080 9 Line Milton ON L5M0R5	98.3	14
	5080 9 Line Mississauga ON L5M0R5	98.3	14
	5080 9 Line Milton ON L5M0R5	98.3	14

Site	Address	Distance (m)	Map Key
	0 Ninth Line Mississauga ON	248.0	20
	3955 Erin Centre Boulevard Mississauga ON	249.3	21
	5320 9 Line Mississauga ON L5M0R5	287.2	24

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-June 30, 2018 has found that there are 10 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON	13.3	5

Site	Address	Distance (m)	Map Key
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL	5170 NINTH LINE RR 2 HORNBY ON	13.3	5
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	13.3	5

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 3 HINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5080 9th LINE MILTON ON	67.1	9
	5356 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	261.9	22
	5280 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	263.8	23

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jul 2018 has found that there are 1 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5130 Celebration Drive Mississauga ON L5M 8B4	97.7	12

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 14 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 1 con 9 ON ***Well ID:*** 7293389	0.0	1
	lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292425	0.0	2
	lot 1 con 9 ON ***Well ID:*** 7279919	9.5	3
	lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292424	11.4	4
	Mississauga ON ***Well ID:*** 7283290	15.2	7
	lot 1 con 9 ON ***Well ID:*** 2804137	58.0	8
	lot 1 con 10 ON ***Well ID:*** 2803352	96.0	11
	lot 1 con 10 ON ***Well ID:*** 2803939	173.0	15
	lot 1 con 10 ON ***Well ID:*** 2802701	192.8	16
	lot 1 con 9 ON ***Well ID:*** 2802670	206.8	17
	lot 1 con 1 ON	211.8	18

Site	Address	Distance (m)	Map Key
	Well ID: 2806945		
	lot 1 con 9 ON	243.7	19
	Well ID: 2802669		
	lot 2 con 10 MISSISSAUGA ON	292.9	25
	Well ID: 4909838		
	lot 2 con 10 MISSISSAUGA ON	292.9	25
	Well ID: 4909837		

Map : 0.3 Kilometer Radius

Order No: 20181107166

Address: 5150 Ninth Line, Mississauga, ON, L5M 0R5

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

79°45'W

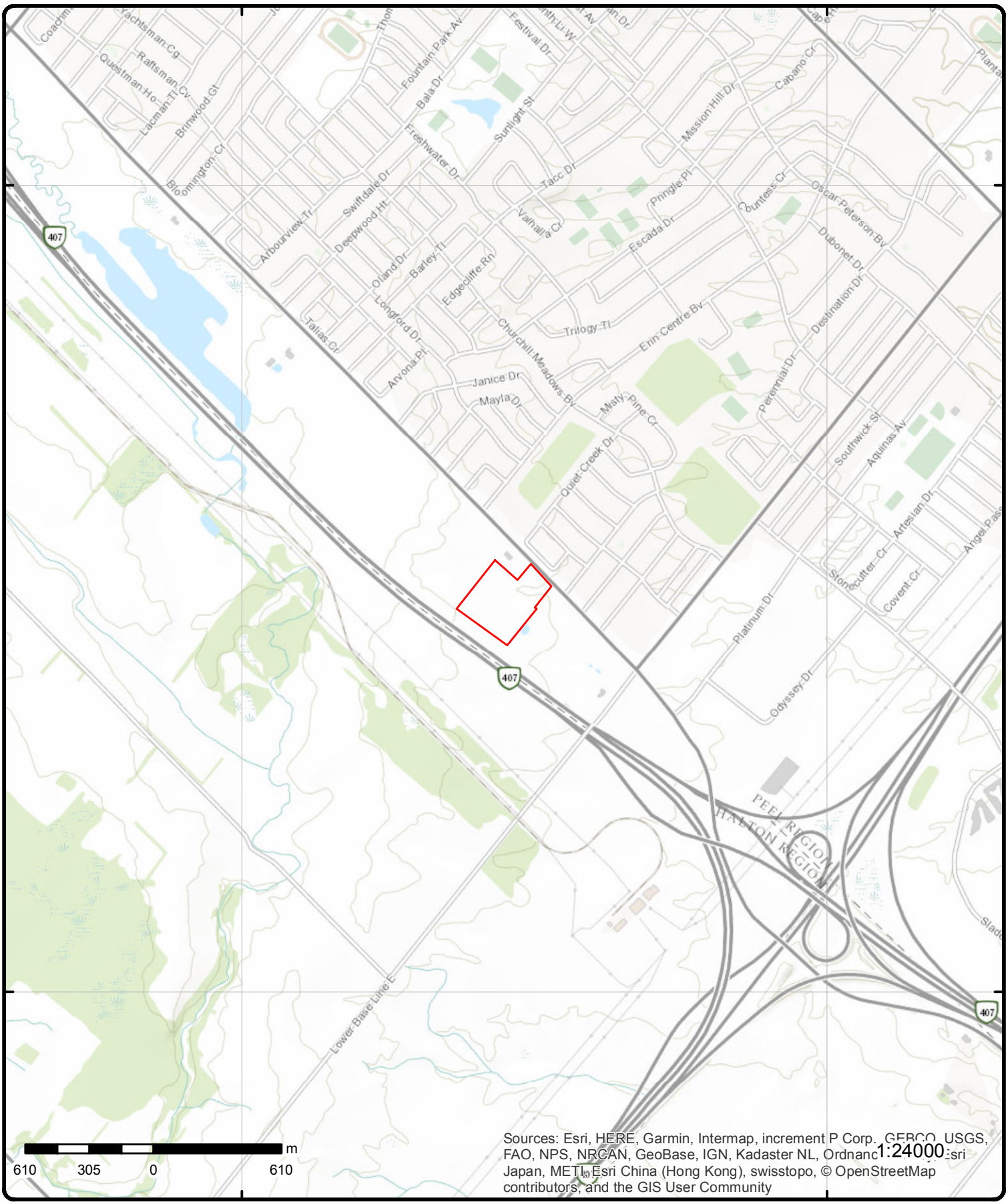
Aerial (2017)

Address: 5150 Ninth Line, Mississauga, ON, L5M 0R5

Source: ESRI World Imagery

Order No: 20181107166

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 5150 Ninth Line, Mississauga, ON, L5M 0R5

Source: ESRI World Topographic Map

Order No: 20181107166

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	191.0 / 1.13	lot 1 con 9 ON	WWIS

Well ID:	7293389	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/24/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7360
Casing Material:		**Form Version:**	8
Audit No:	C38677	**Owner:**	
Tag:	A227427	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006713396	**Elevation:**	192.11
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601808
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821207
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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	-/0.0	190.8 / 1.00	lot 1 con 9 MISSISSAUGA ON	WWIS

Well ID:	7292425	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/14/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z259508	**Owner:**	

Tag:	A227427	**Street Name:**	5170 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006710286	**Elevation:**	192.11
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601807
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821201
Cluster Kind:		**UTMRC:**	3
Date Completed:	30-JUN-17	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1006858638
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858639
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	2

Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858640
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	14
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858647
Layer:	1
Plug From:	0
Plug To:	14
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858648
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006858646
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006858637
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006858643
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15

Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006858644
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006858642
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006858641
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

3 | ***1 of 1*** | ***ESE/9.5*** | ***189.8 / 0.00*** | ***lot 1 con 9 ON*** | ***WWIS***

Well ID:	7279919	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	1/30/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7147
Casing Material:		**Form Version:**	8
Audit No:	C35694	**Owner:**	
Tag:	A216288	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006348193	**Elevation:**	189.95
DP2BR:		**Elevrc:**	

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

Spatial Status:		**Zone:**	17
Code OB:		**East83:**	602008
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821192
Cluster Kind:		**UTMRC:**	4
Date Completed:		**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:			

4	1 of 1	NNE/11.4	189.9 / 0.08	lot 1 con 9 MISSISSAUGA ON	WWIS

Well ID:	7292424	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/14/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z259507	**Owner:**	
Tag:	A227426	**Street Name:**	2170 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	1006710283	**Elevation:**	191.02
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601936
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821330
Cluster Kind:		**UTMRC:**	3
Date Completed:	30-JUN-17	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1006858618
Layer:	2
Color:	6
General Color:	BROWN

Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	2
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858619
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	14
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858617
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858627
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006858626
Layer:	1
Plug From:	0
Plug To:	14
Plug Depth UOM:	ft

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

Method of Construction & Well Use

Method Construction ID:	1006858625
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006858616
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006858622
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006858623
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006858621
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006858620
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

5	***1 of 10***	***NNE/13.3***	***189.8 / 0.00***	***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.*** ***5170 NINTH LINE*** ***MISSISSAUGA ON L5M 0R5***	***GEN***

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

Generator No.: ON4102838
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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5 | **2 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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5 | **3 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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5 | **4 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.** | **GEN**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				5170 NINTH LINE MISSISSAUGA ON L5M 0R5	

Generator No.: ON4102838
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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5 | **5 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL**
5170 NINTH LINE RR 2
HORNBY ON | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 03,04,05
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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5 | **6 of 10** | **NNE/13.3** | **189.8 / 0.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | **GEN**

Generator No.: ON4102838
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	7 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	8 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	9 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status: Registered
Approval Years: As of Jun 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312 P
Waste Description: Pathological wastes

Waste Code: 264 L
Waste Description: Photoprocessing wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	10 of 10	NNE/13.3	189.8 / 0.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No.: ON4102838
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 2	N/13.9	190.8 / 1.00	5150 9 Line Mississauga ON L5M0R5	EHS

Order No: 20170125138
Status: C
Report Type: Standard Report
Date Received: 25-JAN-17
Report Date: 01-FEB-17
Client Prov/State: ON
Previous Site Name:
Report Requested by: Sirati & Partners Consultants Ltd.
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.738666
Y: 43.538211
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	2 of 2	N/13.9	190.8 / 1.00	5150 9 Line Mississauga ON L5M0R5	EHS

Order No: 20170125138
Status: C
Report Type: Standard Report
Date Received: 25-JAN-17
Report Date: 01-FEB-17
Client Prov/State: ON
Previous Site Name:
Report Requested by: Sirati & Partners Consultants Ltd.
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.738666
Y: 43.538211
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 1	SW/15.2	190.9 / 1.05	Mississauga ON	WWIS

Well ID: 7283290
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:

Data Entry Status:
Data Src:
Date Received: 3/15/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7472
Form Version: 7

Audit No:	Z252633	**Owner:**	
Tag:	A222847	**Street Name:**	5150 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006367626	**Elevation:**	192.04
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601809
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	4821137
Cluster Kind:		**UTMRC:**	4
Date Completed:	12-FEB-17	**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:	1006598116
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	34
Other Materials:	TILL
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598124
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598123

Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006598122
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006598115
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006598119
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006598120
Layer: 1
Slot: 10
Screen Top Depth: 15
Screen End Depth: 25
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.5

Water Details

Water ID: 1006598118
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006598117
Diameter: 7.5
Depth From: 0
Depth To: 25
Hole Depth UOM: ft
Hole Diameter UOM: inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	E/58.0	188.9 / -0.96	lot 1 con 9 ON	WWIS

Well ID: 2804137
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/10/1973
Selected Flag: Yes
Abandonment Rec:
Contractor: 3637
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot: 001
Concession: 09
Concession Name: NS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10150661
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 19-AUG-72
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 188.18
Elevrc:
Zone: 17
East83: 602089.6
Org CS:
North83: 4821230
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931434682
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 14
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434681
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434683
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 52
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434686
Layer: 7
Color: 8
General Color: BLACK
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 74
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434684
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 52

Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434680
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931434685
Layer: 6
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 74
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962804137
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10699231
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930256176
Layer: 2
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 74
Casing Diameter: 32
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930256175
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 71
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992804137
Pump Set At:
Static Level: 18
Final Level After Pumping: 72
Recommended Pump Depth: 70
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934177756
Test Type: Recovery
Test Duration: 15
Test Level: 71
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934711574
Test Type: Recovery
Test Duration: 45
Test Level: 69
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934971897
Test Type: Recovery
Test Duration: 60
Test Level: 68
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934452798
Test Type: Recovery

Test Duration: 30
Test Level: 70
Test Level UOM: ft

Water Details

Water ID: 933606859
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74
Water Found Depth UOM: ft

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9 ***1 of 3*** ***SE/67.1*** ***189.0 / -0.86*** ***5080 9 Line Mississauga ON L5M0R5*** ***EHS***

Order No: 20161125005
Status: C
Report Type: Custom Report
Date Received: 25-NOV-16
Report Date: 01-DEC-16
Client Prov/State: ON
Previous Site Name:
Report Requested by: Safetech Environmental
Nearest Intersection:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos

Municipality: MISSISSAUGA
Lot/Building Size:
X: -79.736873
Y: 43.535956
Search Radius (km): .25

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9 ***2 of 3*** ***SE/67.1*** ***189.0 / -0.86*** ***5080 Ninth Line Mississauga ON*** ***EHS***

Order No: 20160712092
Status: C
Report Type: Custom Report
Date Received: 12-JUL-16
Report Date: 15-JUL-16
Client Prov/State: ON
Previous Site Name:
Report Requested by: Sirati & Partners Consultants Ltd.
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.73709
Y: 43.536212
Search Radius (km): .25

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9 ***3 of 3*** ***SE/67.1*** ***189.0 / -0.86*** ***5080 9th LINE MILTON ON*** ***HINC***

External File Num: FS INC 0807-03946
Date of Occurrence: 7/17/2008
Fuel Occurrence Type: Vapour Release
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: Yes
Property Damage: No
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:Yes Management:No Human Factors:Yes
Reported Details: Homeowner hit gas meter with bobcat.
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Halton

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

Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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10 | ***1 of 1*** | ***ESE/73.0*** | ***188.8 / -1.03*** | ***5080 Ninth Line Milton ON*** | ***EHS***

Order No:	20180717035	***Municipality:***	
Status:	C	***Lot/Building Size:***	
Report Type:	Standard Express Report	***X:***	-79.736876
Date Received:	17-JUL-18	***Y:***	43.536319
Report Date:	17-JUL-18	***Search Radius (km):***	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	S2S Environmental Inc.		
Nearest Intersection:			
Additional Info Ordered:			

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11 | ***1 of 1*** | ***E/96.0*** | ***187.9 / -1.96*** | ***lot 1 con 10 ON*** | ***WWIS***

Well ID:	2803352	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/13/1970
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4602
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	10
Overburden/Bedrock:		***Concession Name:***	NS
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:	10149894	***Elevation:***	187.84
DP2BR:	73	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	602154.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	4821263
Cluster Kind:		***UTMRC:***	4
Date Completed:	20-APR-70	***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:	931431702
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431703
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	67
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431701
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431704
Layer:	4
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 67
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931431705
Layer: 5
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 73
Formation End Depth: 76
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962803352
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10698464
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930254921
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930254920
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 73
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	992803352
Pump Set At:	
Static Level:	18
Final Level After Pumping:	72
Recommended Pump Depth:	73
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934166601
Test Type:	Draw Down
Test Duration:	15
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934450131
Test Type:	Draw Down
Test Duration:	30
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934969645
Test Type:	Draw Down
Test Duration:	60
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934709335
Test Type:	Draw Down
Test Duration:	45
Test Level:	72
Test Level UOM:	ft

Water Details

Water ID:	933605729
Layer:	1
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	67
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	NE/97.7	189.8 / 0.00	5130 Celebration Drive Mississauga ON L5M 8B4	SPL

Ref No:	1875-8JQE9P	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	7/13/2011	**Client Type:**	
Year:		**Sector Type:**	
Incident Cause:		**Source Type:**	
Incident Event:		**Nearest Watercourse:**	
Contaminant Code:	n/a	**Site Name:**	Residence<UNOFFICIAL>
Contaminant Name:	REFRIGERANT GAS R22	**Site Address:**	5130 Celebration Drive
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site County/District:**	
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:	3.5 kg	**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	Mississauga
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
Health/Env Conseq:		**Easting:**	
MOE Response:		**Site Geo Ref Accu:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Meth:**	
MOE Reported Dt:	7/13/2011	**Site Map Datum:**	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	TSSA - Fuel Safety Branch		
Incident Reason:			
Incident Summary:	TSSA: refrigerant leak		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	1 of 1	SE/97.9	188.8 / -1.00	5080 Ninth Line Milton ON	EHS

Order No:	20180726095	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736865
Date Received:	08-AUG-18	**Y:**	43.535974
Report Date:	14-AUG-18	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	WSP Canada Group Limited		
Nearest Intersection:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	1 of 3	SE/98.3	188.8 / -1.00	5080 9 Line Mississauga ON L5M0R5	EHS

Order No:	20161125005	**Municipality:**	MISSISSAUGA
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736873
Date Received:	25-NOV-16	**Y:**	43.535956
Report Date:	01-DEC-16	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Safetech Environmental		
Nearest Intersection:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	2 of 3	SE/98.3	188.8 / -1.00	5080 9 Line Milton ON L5M0R5	EHS

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

Order No:	20161220145	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736877
Date Received:	20-DEC-16	**Y:**	43.535959
Report Date:	29-DEC-16	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Soil Engineers Ltd.		
Nearest Intersection:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	3 of 3	SE/98.3	188.8 / -1.00	5080 9 Line Milton ON L5M0R5	EHS

Order No:	20161220145	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Custom Report	**X:**	-79.736877
Date Received:	20-DEC-16	**Y:**	43.535959
Report Date:	29-DEC-16	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Soil Engineers Ltd.		
Nearest Intersection:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	1 of 1	E/173.0	186.3 / -3.58	lot 1 con 10 ON	WWIS

Well ID:	2803939	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/1/1972
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1307
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	NS
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:	10150466	**Elevation:**	187.26
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	602234.6
Code OB Desc:	Overburden	**Org CS:**	
Open Hole:		**North83:**	4821303
Cluster Kind:		**UTMRC:**	4
Date Completed:	01-SEP-72	**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: 931433823
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931433824
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 55
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931433825
Layer: 4
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 63
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931433822
Layer: 1

Color:	6
General Color:	BROWN
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962803939
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10699036
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930255850
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	65
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992803939
Pump Set At:	
Static Level:	35
Final Level After Pumping:	62
Recommended Pump Depth:	62
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934971329
Test Type:	Draw Down

Test Duration:	60
Test Level:	61
Test Level UOM:	ft

Water Details

Water ID:	933606566
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

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16 | ***1 of 1*** | ***E/192.8*** | ***185.8 / -4.00*** | ***lot 1 con 10 ON*** | ***WWIS***

Well ID:	2802701	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/25/1967
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4602
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	NS
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:	10149250	**Elevation:**	186.04
DP2BR:	73	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602252.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	4821259
Cluster Kind:		**UTMRC:**	5
Date Completed:	01-SEP-67	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931429373
Layer:	2
Color:	2
General Color:	GREY

Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 32
Formation End Depth: 44
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429375
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 68
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429374
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 44
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429372
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931429376
Layer:	5
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	73
Formation End Depth:	111
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802701
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697820
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253926
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	73
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930253927
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	111
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802701
Pump Set At:	
Static Level:	21
Final Level After Pumping:	111
Recommended Pump Depth:	109

Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933604816
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

Water Details

Water ID:	933604815
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

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17 | ***1 of 1*** | ***ESE/206.8*** | ***186.8 / -3.00*** | ***lot 1 con 9 ON*** | ***WWIS***

Well ID:	2802670	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/9/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1612
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
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:	10149219	**Elevation:**	188.01
DP2BR:	83	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602206.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	4821138

Cluster Kind:
Date Completed: 25-MAY-65
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931429271
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429273
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429274
Layer: 4
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 83
Formation End Depth: 111
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931429272
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	62
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802670
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697789
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253889
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	83
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930253890
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	111
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802670
Pump Set At:	
Static Level:	16
Final Level After Pumping:	111
Recommended Pump Depth:	106

Pumping Rate:	1
Flowing Rate:	
Recommended Pump Rate:	1
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933604784
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110
Water Found Depth UOM:	ft

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18 ***1 of 1*** ***ESE/211.8*** ***186.8 / -3.00*** ***lot 1 con 1 ON*** ***WWIS***

Well ID:	2806945	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/18/1988
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4868
Casing Material:		***Form Version:***	1
Audit No:	07770	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	NS
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:	10153208	***Elevation:***	188.01
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	602206.6
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	4821130
Cluster Kind:		***UTMRC:***	3
Date Completed:	30-JUN-88	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931445013
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	14
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445012
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445015
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	50
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445011
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	

Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931445014
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3: 73
Other Materials: HARD
Formation Top Depth: 45
Formation End Depth: 50
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933139644
Layer: 1
Plug From: 0
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962806945
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10701778
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930260573
Layer: 3
Material:
Open Hole or Material:
Depth From:
Depth To: 55
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930260571
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	4
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930260572
Layer:	2
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	54
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992806945
Pump Set At:	
Static Level:	28
Final Level After Pumping:	49
Recommended Pump Depth:	50
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934710496
Test Type:	Recovery
Test Duration:	45
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934177319
Test Type:	Recovery
Test Duration:	15
Test Level:	48
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934451345
Test Type:	Recovery
Test Duration:	30

Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934971470
Test Type: Recovery
Test Duration: 60
Test Level: 46
Test Level UOM: ft

Water Details

Water ID: 933610377
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 20
Water Found Depth UOM: ft

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19 | **1 of 1** | **ESE/243.7** | **186.2 / -3.68** | **lot 1 con 9 ON** | **WWIS**

Well ID: 2802669
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/12/1964
Selected Flag: Yes
Abandonment Rec:
Contractor: 1612
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot: 001
Concession: 09
Concession Name: NS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10149218
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 08-JAN-64
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 188.02
Elevrc:
Zone: 17
East83: 602231.6
Org CS:
North83: 4821108
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID:	931429267
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429269
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429268
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429270
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 83
Formation End Depth: 86
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962802669
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10697788
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930253888
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 86
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992802669
Pump Set At:
Static Level: 19
Final Level After Pumping: 80
Recommended Pump Depth: 81
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 2
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: N

Water Details

Water ID: 933604783
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 86
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	NW/248.0	194.8 / 5.00	0 Ninth Line Mississauga ON	EHS

Order No: 20180626146
Status: C
Report Type: Custom Report
Date Received: 26-JUN-18
Report Date: 04-JUL-18
Client Prov/State: ON
Previous Site Name:
Report Requested by: Parsons Inc.
Nearest Intersection:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory

Municipality:
Lot/Building Size:
X: -79.742187
Y: 43.539228
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 1	NNW/249.3	191.8 / 2.00	3955 Erin Centre Boulevard Mississauga ON	EHS

Order No: 20070307015
Status: C
Report Type: CAN - Custom Report
Date Received: 3/7/2007
Report Date: 3/12/2007
Client Prov/State:
Previous Site Name:
Report Requested by: Pinchin Environmental
Nearest Intersection:
Additional Info Ordered:

Municipality:
Lot/Building Size:
X: -79.740038
Y: 43.540536
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
22	1 of 1	NNW/261.9	191.8 / 2.00	5356 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	HINC

External File Num: FS INC 0809-05501
Date of Occurrence: 9/18/2008
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Peel
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	1 of 1	N/263.8	190.8 / 1.00	5280 ROADSIDE WAY MISSISSAUGA ON L5M 0H9	HINC

External File Num: FS INC 0809-05495
Date of Occurrence: 9/10/2008
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas

Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Peel
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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24 | ***1 of 1*** | ***NNW/287.2*** | ***193.6 / 3.74*** | ***5320 9 Line Mississauga ON L5M0R5*** | ***EHS***

Order No:	20170508141	**Municipality:**	
Status:	C	**Lot/Building Size:**	
Report Type:	Standard Report	**X:**	-79.74143
Date Received:	08-MAY-17	**Y:**	43.540383
Report Date:	12-MAY-17	**Search Radius (km):**	.25
Client Prov/State:	ON		
Previous Site Name:			
Report Requested by:	Pinchin Ltd.		
Nearest Intersection:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

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25 | ***1 of 2*** | ***NNW/292.9*** | ***192.2 / 2.31*** | ***lot 2 con 10 MISSISSAUGA ON*** | ***WWIS***

Well ID:	4909837	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	7/15/2005
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7268
Casing Material:		**Form Version:**	3
Audit No:	Z07985	**Owner:**	
Tag:	A007907	**Street Name:**	5247 9TH LINE
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	10
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:	11323570	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		**Zone:**	
Code OB:	u	**East83:**	
Code OB Desc:	all layers are unknown type	**Org CS:**	
Open Hole:		**North83:**	
Cluster Kind:		**UTMRC:**	
Date Completed:	01-MAY-04	**UTMRC Desc:**	
Remarks:		**Location Method:**	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933021571
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	30
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272812
Layer:	6
Plug From:	6
Plug To:	0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272814
Layer:	4
Plug From:	17
Plug To:	9
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272816
Layer:	3
Plug From:	20
Plug To:	17
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272817

Layer: 2
Plug From: 25
Plug To: 20
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272813
Layer: 5
Plug From: 9
Plug To: 6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272815
Layer: 1
Plug From: 30
Plug To: 25
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 964909837
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11338425
Casing No: 1
Comment:
Alt Name:

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25 ***2 of 2*** ***NNW/292.9*** ***192.2 / 2.31*** ***lot 2 con 10 MISSISSAUGA ON*** ***WWIS***

Well ID: 4909838
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z07984
Tag: A007906
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 7/15/2005
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7268
Form Version: 3
Owner:
Street Name: 5247 9TH LINE
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot: 002
Concession: 10
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	11323571	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	_	***East83:***	
Code OB Desc:	No formation data	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	
Date Completed:	01-MAY-04	***UTMRC Desc:***	
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933272819
Layer:	7
Plug From:	7
Plug To:	0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272818
Layer:	6
Plug From:	18
Plug To:	7
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272822
Layer:	3
Plug From:	50
Plug To:	48
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272820
Layer:	5
Plug From:	28
Plug To:	18
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933272823
Layer:	1
Plug From:	70
Plug To:	60

Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272824
Layer: 2
Plug From: 60
Plug To: 50
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933272821
Layer: 4
Plug From: 48
Plug To: 28
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 964909838
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11338426
Casing No: 1
Comment:
Alt Name:

Unplottable Summary

Total: 9 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
SPL	Enbridge Gas Distribution Inc.	Hydro Corridor south of Hwy 407 and 600m east of 9th Line	Mississauga ON	
SPL	Freedom Group Inc.<UNOFFICIAL>	Hwy 407, east of Bramalea, Westbound lanes	Mississauga ON	
SPL	Aecon Construction and Materials Limited	Hwy 407 W, E of Mississauga Rd	Mississauga ON	
SPL		Westbound 407, past Winston Churchill<UNOFFICIAL>	Mississauga ON	
SPL	GRAFF CONCRETE	HWY.407 EASTBOUND, WEST OF MISSISSAUGA RD. MOTOR VEHICLE (OPERATING FLUID)	MISSISSAUGA CITY ON	
SPL		HWY 407 EB on ramp at merger point from 401 E (Exit 333)<UNOFFICIAL>	Mississauga ON	
SPL		407 westbound, east of Hurontario	Mississauga ON	
SPL	HK United truck<UNOFFICIAL>	Highway 407 westbound at Winston Churchill	Mississauga ON	
WWIS		lot 2	ON	

Unplottable Report

Site: ***Enbridge Gas Distribution Inc.***
Hydro Corridor south of Hwy 407 and 600m east of 9th Line Mississauga ON

Database: ***SPL***

Ref No:	4667-9USNYH	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	3/20/2015	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	Leak/Break	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	15	***Site Name:***	Spill Site<UNOFFICIAL>
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Hydro Corridor south of Hwy 407 and 600m east of 9th Line
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0.5 L	***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	N	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	3/20/2015	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Land Spills		
Incident Reason:	Unknown / N/A		
Incident Summary:	Enbridge - 1/2L hydraulic oil to ground		

Site: ***Freedom Group Inc.<UNOFFICIAL>***
Hwy 407, east of Bramalea, Westbound lanes Mississauga ON

Database: ***SPL***

Ref No:	5670-A3QP37	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	10/28/2015	***Client Type:***	
Year:		***Sector Type:***	Miscellaneous Industrial
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	13	***Site Name:***	Hwy 407<UNOFFICIAL>
Contaminant Name:	DIESEL FUEL	***Site Address:***	Hwy 407, east of Bramalea, Westbound lanes
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	10 L	***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	4840144
Health/Env Conseq:		***Easting:***	606404
MOE Response:	No	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	10/28/2015	***Site Map Datum:***	
Dt Document Closed:	11/7/2015		
Agency Involved:			
SAC Action Class:	Highway Spills (usually highway accidents)		
Incident Reason:	Operator/Human Error		
Incident Summary:	TT diesel spill on hwy 407,clnd		

Site: ***Aecon Construction and Materials Limited***
Hwy 407 W, E of Mississauga Rd Mississauga ON

Database: ***SPL***

Ref No:	2300-8GJFP7	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/4/2011	***Client Type:***	
Year:		***Sector Type:***	Motor Vehicle
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	13	***Site Name:***	ditch<UNOFFICIAL>
Contaminant Name:	DIESEL FUEL	***Site Address:***	Hwy 407 W, E of Mississauga Rd
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	208 L	***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	No Field Response	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	5/4/2011	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Highway Spills (usually highway accidents)		
Incident Reason:			
Incident Summary:	Aecon: Hwy 407, 208L diesel to ditch		

Site:
Westbound 407, past Winston Churchill<UNOFFICIAL> Mississauga ON

Database: ***SPL***

Ref No:	6314-7JYJ2W	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	Other Transport Accident	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	15	***Site Name:***	Westbound 407, past Winston Churchill<UNOFFICIAL>
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	15 L	***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	No Field Response	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	9/30/2008	***Site Map Datum:***	
Dt Document Closed:	12/2/2008		
Agency Involved:			
SAC Action Class:	Highway Spills (usually highway accidents)		
Incident Reason:	Unknown - Reason not determined		
Incident Summary:	15 L of fuel to ditch-clean-up initiated		

Site: ***GRAFF CONCRETE***
HWY.407 EASTBOUND, WEST OF MISSISSAUGA RD. MOTOR VEHICLE (OPERATING FLUID) MISSISSAUGA CITY ON

Database: ***SPL***

Ref No:	232345	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/17/2002	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	21102
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	7/17/2002	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:	REGION OF PEEL, OPP		
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	GRAFF CONCRETE: 100 L DIESEL FUEL TO DITCH. CLEANING.		

Site: ***Database:*** ***SPL***

HWY 407 EB on ramp at merger point from 401 E (Exit 333)<UNOFFICIAL> Mississauga ON

Ref No:	3282-6GH2SN	***Discharger Report:***	0
Site No:		***Material Group:***	Oil
Incident Dt:	9/22/2005	***Client Type:***	
Year:		***Sector Type:***	Transport Truck
Incident Cause:	Other Transport Accident	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	HWY 407 EB on ramp at merger point from 401 E (Exit 333)<UNOFFICIAL>
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	9/22/2005	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Spills to Highways (usually highway accidents)		
Incident Reason:	Unknown - Reason not determined		
Incident Summary:	HWY 407 Eastbound on ramp - saddle tank rupture		

Site: ***Database:*** ***SPL***

407 westbound, east of Hurontario Mississauga ON

Ref No:	6470-6ARM5C	***Discharger Report:***	0
Site No:		***Material Group:***	Oil
Incident Dt:	3/23/2005	***Client Type:***	
Year:		***Sector Type:***	Transport Truck
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	MVA - 407<UNOFFICIAL>

Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	3/23/2005	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Spill to Highway (Accident)		
Incident Reason:			
Incident Summary:	407 west, 100 L diesel to grassy area		

Site: ***HK United truck<UNOFFICIAL>***
Highway 407 westbound at Winston Churchill Mississauga ON

Database: ***SPL***

Ref No:	1143-8JXGT3	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/20/2011	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:		***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:	15	***Site Name:***	Highway 407<UNOFFICIAL>
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	Highway 407 westbound at Winston Churchill
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	20 L	***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Mississauga
Nature of Impact:	Soil Contamination; Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	
MOE Response:	Planned Field Response	***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	7/20/2011	***Site Map Datum:***	
Dt Document Closed:	8/26/2011		
Agency Involved:			
SAC Action Class:	Watercourse Spills		
Incident Reason:			
Incident Summary:	HK United: 20 L oil to ditch		

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	6713515	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/3/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2663
Casing Material:		***Form Version:***	1
Audit No:	220638	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	PEEL TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10477348
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 25-SEP-00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932662558
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 211
Formation End Depth: 213
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932662557
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 211
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932662556
Layer: 1
Color:
General Color:

Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933211459
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966713515
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11025918
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930777780
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930777781
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996713515
Pump Set At:
Static Level: 33
Final Level After Pumping: 35

Recommended Pump Depth:
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934620200
Test Type: Draw Down
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934355635
Test Type: Draw Down
Test Duration: 15
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935133519
Test Type: Draw Down
Test Duration: 60
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934872464
Test Type: Draw Down
Test Duration: 45
Test Level: 35
Test Level UOM: ft

Water Details

Water ID: 933968308
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 213
Water Found Depth UOM: ft

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 2018

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-Nov 2016

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

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-Jul 31, 2018

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jul 31, 2018

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 - Jul 2018

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-Sep 2018

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-Jul 31, 2018

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-Nov 30, 2017

Dry Cleaning Facilities: Federal DRYCLEANERS

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 2016

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-Sep 30, 2018

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-Jul 31, 2018

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-Sep 30, 2018

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-Jul 31, 2018

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

List of TSSA Expired Facilities: Provincial EXP

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Aug 2018

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2017

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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-June 30, 2018

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 2016

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*

TSSA Incidents: Provincial INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Sep 30, 2017

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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

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 2018

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, 2016

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 National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2018

National Energy Board Wells: Federal NEBW

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 OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main 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-August 31, 2018

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-May 2018

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-Jul 31, 2018

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: 1988-Mar 2018

TSSA Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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-Jul 31, 2018

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-Sep 2018

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-Jul 31, 2018

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jul 2018

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, 2016

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-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Sep 30, 2018

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31, 2017

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix D – Regulatory Requests

tanner.leonhardt@dsconsultants.ca

From: Public Information Services <publicinformationservices@tssa.org>
Sent: December 12, 2018 8:17 AM
To: tanner.leonhardt@dsconsultants.ca
Subject: RE: UST/AST Search

Good morning Tanner,

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 publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Kind regards,

Sarah

Sarah Quibell | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-877-682-8772 | Fax: +1-416-231-6183 | E-Mail: squibell@tssa.org
www.tssa.org

From: tanner.leonhardt@dsconsultants.ca <tanner.leonhardt@dsconsultants.ca>
Sent: December 11, 2018 4:30 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: UST/AST Search

Hello,

Could you please search your records for:

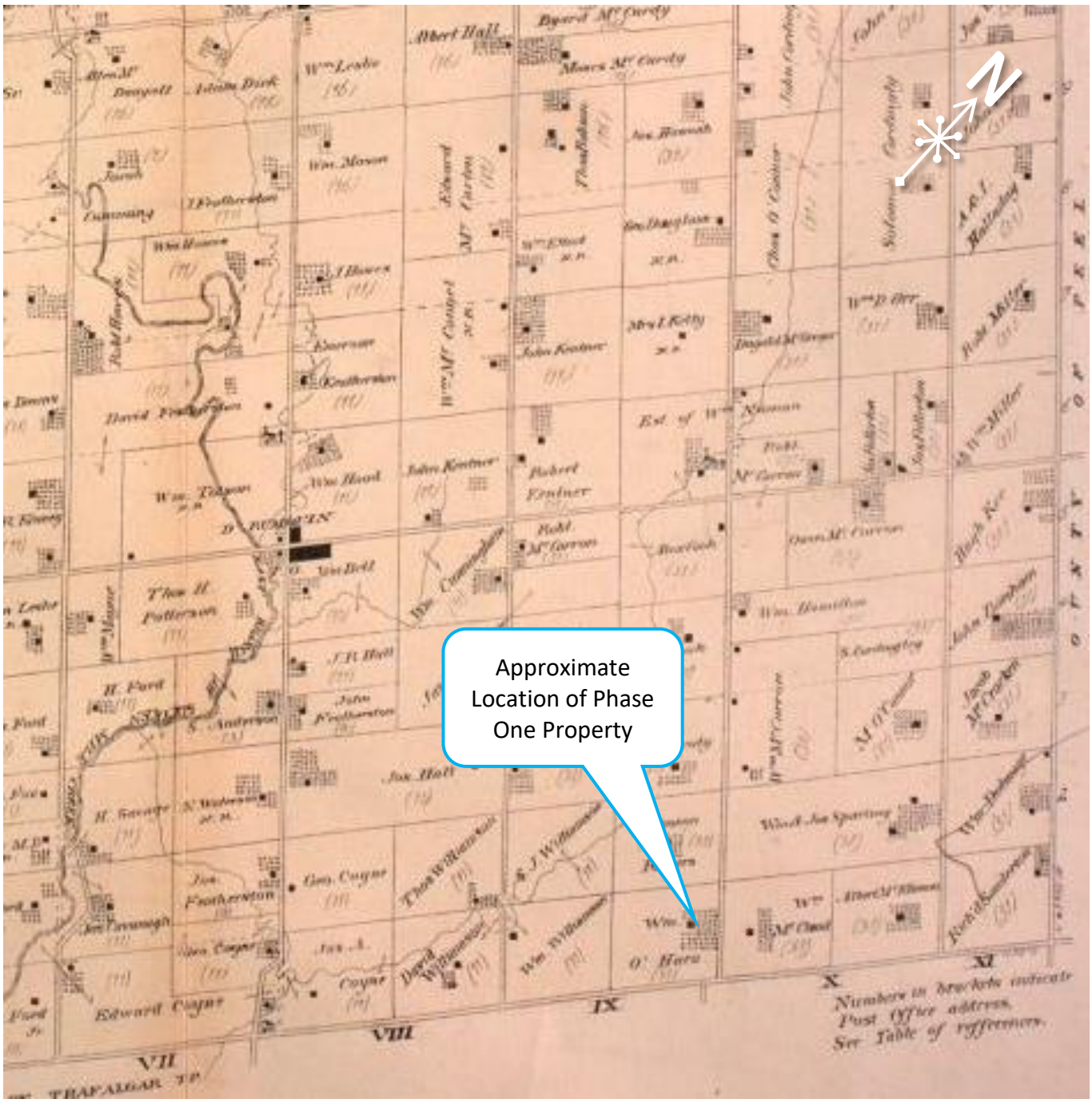
5150 Ninth Line, Mississauga, Ontario

For records of ASTs and/or USTs.

Thank you!

Tanner Leonhardt
Environmental Technician
DS Consultants Ltd.
6221 Hwy. 7, Unit 16, Vaughan, ON, L4H 0K8
Tel: 905-264-9393
Cell: 519-770-7238
www.dsconsultants.ca

Appendix E – Aerial Photographs



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

1880 COUNTY ATLAS: HALTON COUNTY

Scale: NTS	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-1**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

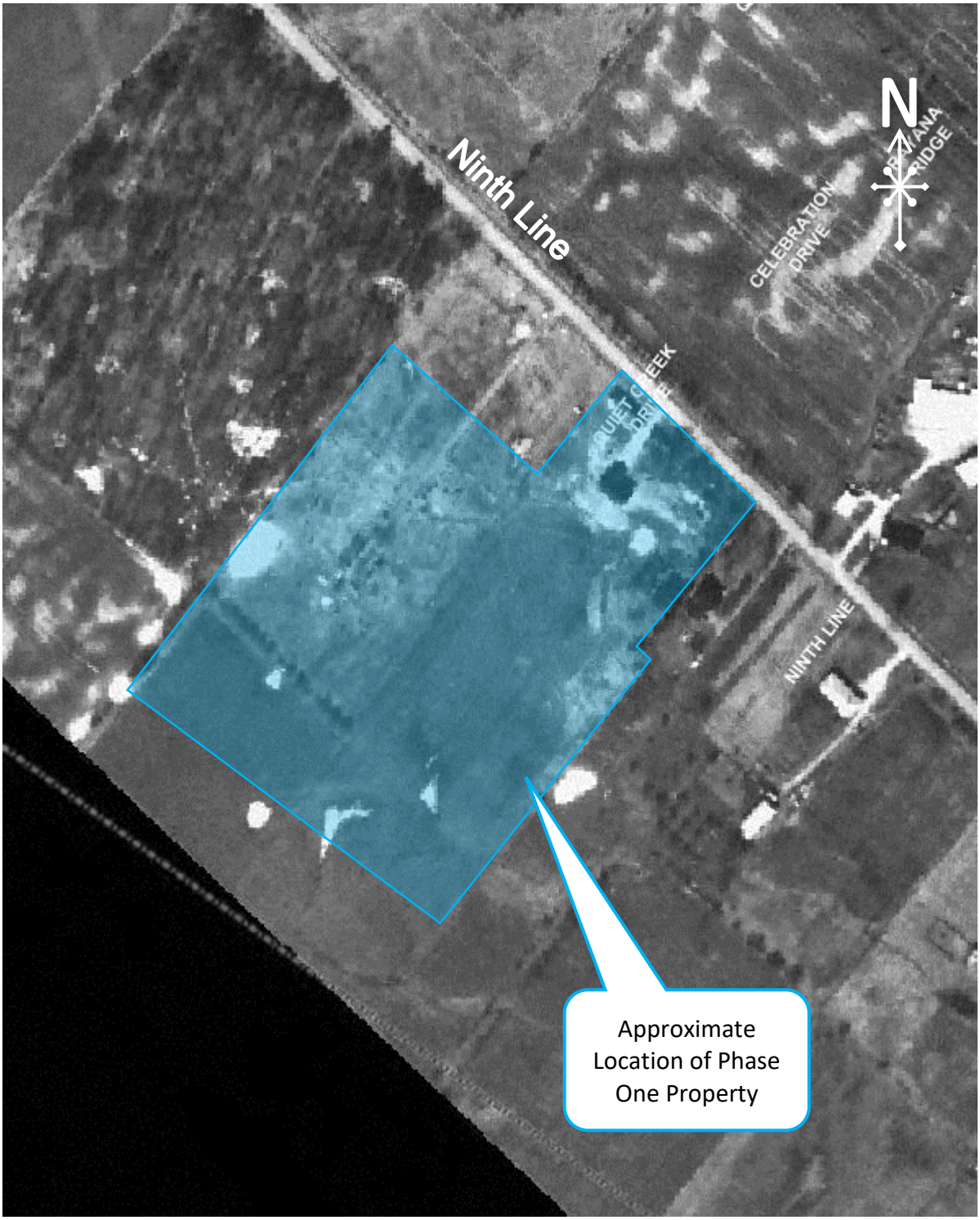
AERIAL PHOTOGRAPH: 1954

Scale: ~1:3800	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-2**

AERIAL PHOTOGRAPH: 1966

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

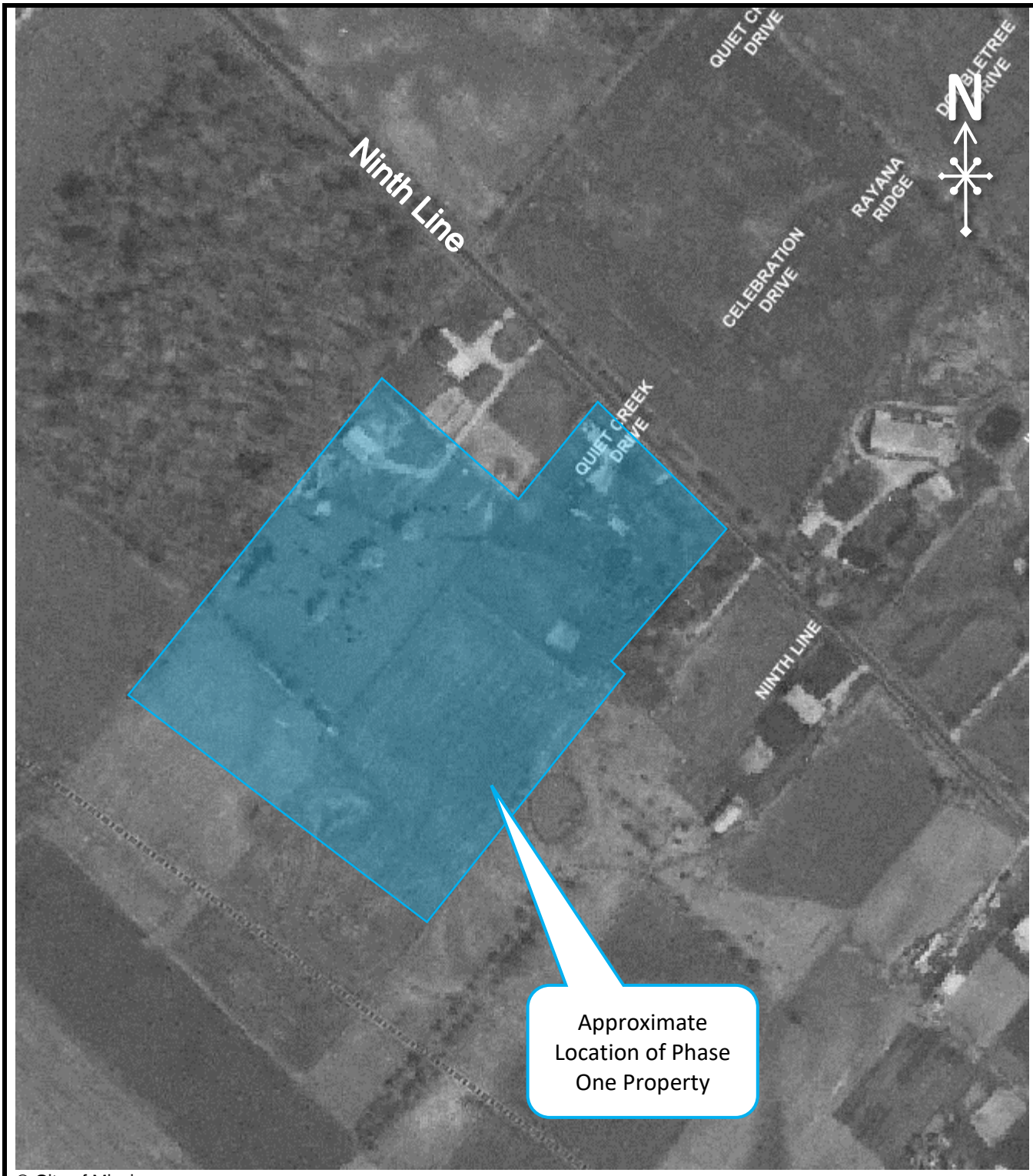
Scale: ~1:3400	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-3**



AERIAL PHOTOGRAPH: 1975

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~1:3400	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **5150 & 5170 Ninth Line, Mississauga, ON**	Prepared By: TL
Date: Jan-19		Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-4**



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 1985

Scale: ~1:3400	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-5**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 1992

Scale: ~1:3300	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **5150 & 5170 Ninth Line, Mississauga, ON**	Prepared By: TL
Date: Jan-19		Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-6**

© Google Earth

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2004

Scale: ~1:3700	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-7**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2013

Scale: ~1:3800	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-8**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2018

Scale: ~1:4200	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: TL
Date: Jan-19	**5150 & 5170 Ninth Line, Mississauga, ON**	Reviewed By: RF
Project: 18-748-100	Prepared For: XXX	Drawing No. **D-9**

Appendix F – Site Photographs

Picture 1: View of the properties to the east of Site Building A.

Picture 2: View of the rear of Site Building A, along with the shed containing the AST.

Picture 3: View of the AST in the storage shed.

Picture 4: View of residential building to the south of Site Building A.

Picture 5: View of the front of Site Building A.

Picture 6: View of properties adjacent to the east of Site Building A.

Picture 7: View of the adjoining properties to the northeast.

Picture 8: View of the front of Site Building B.

Picture 9: View of the AST in the storage shed.

Picture 10: View of the agricultural barn on the northern portion of the Property.

Picture 11: View of the southern portion of the Property, facing south.

Picture 12: View of Highway 407 from the west side of the Property, facing west.

Picture 13: View of the cell tower on the west side of the Property, facing north.

Picture 14: View of the north adjoining property, from the cellular tower.

Picture 15: View of the cellular tower, with the adjoining transformer.

Picture 16: View of three empty tanks, located on the north side of the Property, facing northeast.

Picture 17: View of the remaining tank, located on the northern side of the Property, facing north.

Picture 18: View of the gravel path along 5170 Ninth Line, facing east from the cellular tower.

Appendix G – Current and Past Uses

"Table of current and past uses of the phase one property" (Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)

5150 Ninth Line, Part Lot 1 Con 9 Trafalgar New Survey as in 367648 except PE167; City of Mississauga, 24931-0106 (LT)

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
Prior to 1830	Crown	Inferred agricultural	Agricultural or other use	None
1830-1831	Charles O'Hara	Inferred agricultural	Agricultural or other use	None
1831-1862	Charles O'Hara Jr.	Inferred agricultural	Agricultural or other use	None
1862-1883	Mary O'Hara	Inferred agricultural	Agricultural or other use	An orchard is present on the Phase One Property in the 1880 County Atlas.
1883-1883	William Bartholomew O'Hara	Inferred agricultural	Agricultural or other use	None
1883-1884	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1884-1885	William Bartholomew O'Hara	Inferred agricultural	Agricultural or other use	None
1885-1948	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1948-1953	Toyne Grice	Inferred agricultural	Agricultural or other use	None
1953-1973	Gabor Szilagyl	Inferred residential and agricultural	Residential/Agricultural	Site Building A has been constructed in the time between 1966 and 1975.

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
1973-Present	Gary Joseph Rynsoever	Inferred residential and agricultural	Residential/Agricultural	Site Building B and C have been constructed in the time between 1980 and 1985 as depicted in the aerial photographs.

Notes:

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

that applies: Agriculture or other use
Commercial use
Community
use Industrial
use
Institutional
use Parkland
use
Residential
use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290

"Table of current and past uses of the phase one property" (Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)

5170 Ninth Line, Part Lot 1 Con 9 Trafalgar New Survey as in 538791 except PE166 & Pt2, 20R14775.; City of Mississauga, 24931-0150 (LT)

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
Prior to 1830	Crown	Inferred agricultural	Agricultural or other use	None
1830-1883	Charles O'Hara	Inferred agricultural	Agricultural or other use	An orchard is present on the Phase One Property in the 1880 County Atlas.
1883-1884	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1884-1885	William Bartholomew O'Hara	Inferred agricultural	Agricultural or other use	None
1885-1948	Michael O'Hara	Inferred agricultural	Agricultural or other use	None
1948-1953	Toyne Grice	Inferred agricultural	Agricultural or other use	None
1953-1966	Arthur Willis	Inferred agricultural	Agricultural or other use	None
1966-1967	Victor Alexander Webster	Inferred agricultural	Agricultural or other use	None
1967-1969	Philip J.W. Parsons William Eccelstone William Kelly	Inferred agricultural	Agricultural or other use	None

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
1969-1981	Joseph Runsoever	Inferred residential and agricultural	Residential/Agricultural	Site Building A has been constructed in the time between 1966 and 1975.
1981-2010	Luigi & Rossana Cofini	Inferred residential and agricultural	Residential/Agricultural	Site Building B and C have been constructed in the time between 1980 and 1985 as depicted in the aerial photographs.

Notes:

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

that applies: Agriculture or other use
Commercial use
Community
use Industrial
use
Institutional
use Parkland
use
Residential
use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290