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Phase One Environmental Site Assessment

1167 Plains Road East
(Lot A)
Burlington, Ontario

Prepared for:

1134/1167 Plains Road East
% Molinaro Group
472 Brock Avenue, Unit 103
Burlington, Ontario
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File: 20257A

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APPENDICES

Appendix A – EcoLog ERIS Report
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Appendix C – Photographs of Typical Site Conditions

1 EXECUTIVE SUMMARY

Landtek Limited (Landtek) is pleased to submit the findings of the Phase One Environmental Site Assessment (ESA) report for the property located at 1167 Plains Road East in Burlington, Ontario ("the Phase One Property" or "the Site"). The work was initiated following authorization to proceed from Mr. Vince Molinaro of Molinaro Group (the Client) in August 2020.

The Phase One ESA was completed in accordance with O. Reg. 153/04, as amended under the Environmental Protection Act. The Phase One ESA is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for contamination at a property. The Phase One ESA satisfies the requirements of O. Reg. 153/04.

The Phase One ESA does not include sampling or testing of air, soil, groundwater, or building materials. These analyses would be conducted in a Phase Two ESA or designated hazardous substance survey, if warranted.

The Phase One Study Area includes the Site and all other properties located wholly or in part within 250 m of the boundaries of the Site. The qualified person for this ESA determined that no properties more than 250 m away from the Site boundaries needed to be included in the Phase One Study Area.

Information sources for the development of a Conceptual Site Model was gathered from numerous sources (i.e., aerial photographs, environmental database searches, physical setting sources, interviews, and a Site reconnaissance), which reduces the risk of not identifying either a current or former property use for a potential contaminating activity (PCA).

SITE DESCRIPTION

The Phase One Property is comprised undeveloped parcel of land and is bounded by Plains Road East to the east followed by commercial and residential properties and Queen Elizabeth Way to the west followed by commercial properties. The Phase One Property is irregular in shape and comprises an area of 8878.51 m^2 (0.888 hectares).

SUMMARY OF FINDINGS

Landtek identified the following PCAs in Table 2 of Schedule D of O.Reg.153/04 in the Phase One Study Area. No potential contaminating activities were identified on Site; the following off-Site issues were identified as PCA to the Site.

- **PCA-A:** Active rail line located to the immediate north of the Site (Site visit and historical aerial photographs) - Schedule D **PCA#46**

- **PCA-B:** Plains Road East (Eco-log ERIS) - Schedule D **PCA#28** Former private fuel outlet with UST to the east of Site

The following PCAs are not considered areas of potential environmental concern (APEC) on the phase one property because they are down gradient of the inferred groundwater flow direction which was determined to be east across the Phase One Property and are not anticipated to represent a potential environmental concern to the Phase One Property.

- **PCA-C:** 1134 Plains Road East. (Ecolog & fire insurance report) - Schedule D **PCA#28** Former private fuel outlet with UST south of Site and transgradient

- **PCA-D:** 1184 Plains Road East. (Ecolog ERIS & fire insurance report) - Schedule D **PCA#28** Former private fuel outlet with UST 100 m east of Site and down gradient

- **PCA-E:** 1200 Plains Road East. (Ecolog ERIS & fire insurance report) - Schedule D **PCA#28** Former private fuel outlet with UST 150 m east of Site and down gradient

The following is a summary of the PCA, PCA location, and associated APEC identified:

APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (groundwater, soil, and/or sediment)
APEC A	North side of the Site	46. Rail yards, tracks and spurs	Off-Site	Metals and As, Sb, Se, Hg, CN-EC, SAR, pH, PAHs	Soil
APEC B	South side of the Site	28, Gasoline and Associated Product Storage in Fixed Tanks	Off-Site	BTEX and PHC	groundwater

Notes:
1 - Area of Potential Environmental Concern (APEC) means the area on, in or under the Phase One Property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
(a) Identification of past or present uses on, in or under the phase one property, and
(b) Identification of potentially contaminating activity.
2 - Potentially contaminating activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring in a Phase One Study Area.
3 - Identify all contaminants of potential concern using the Method Groups as identified in the “Protocol for in the Assessment of Properties under Part XV.1 of the EPA, March 9, 2004, amended as of July 1, 2011.
4 - Media Potentially Impacted refers to soil, groundwater, surface water or sediment.
Metals - metals including hydrides (As, Sb, Se, Hg)
BTEX and PHC: benzene. toluene, ethylbenzene, xylenes and petroleum hydrocarbons

RECOMMENDATIONS

Based on the results of the Phase One ESA, a Phase Two ESA is recommended to be completed for this Site.

2 INTRODUCTION

Landtek Limited (Landtek) is pleased to submit the findings of the Phase One Environmental Site Assessment (ESA) report for the property located at 1167 Plains Road East in Burlington, Ontario ("the Phase One Property" or "the Site"), as shown on **Figure 1**. The work was initiated following authorization to proceed from Mr. Vince Molinaro of Molinaro Group (the Client) in August 2020.

The current land-use for the Phase One Property is vacant land. As per a request from the Region of Halton the report was completed to meet the requirements of Ontario Regulation 153/04 (O. Reg. 153/04).

O. Reg. 153/04 stipulates that for a change in land-use to a more ***sensitive*** use (i.e., from commercial to residential) a Record of Site Condition (RSC) must be prepared, filled, and acknowledged by the Ministry of the Environment, Conservation and Park (MECP). The property is currently vacant and most recent use was agricultural. Therefore in accordance with O.Reg. 153/04 the Site does not require an RSC.

On September 3, 2020, Ms. Nicole Harper Landtek conducted a walkover of the Phase One Study Area (i.e., properties located within 250 m of the Site) in conjunction with a review of regulatory/historical information pursuant to O. Reg. 153/04. Landtek was unaccompanied for the walkover of the Site and the Study Area which involved the assessment of visible, publicly accessible portions of adjoining and neighbouring properties within the Phase One Study Area.

(a) Phase One Property Information

The Phase One Property is comprised undeveloped parcel of land and is bounded by Plains Road East to the east followed by commercial and residential properties and Queen Elizabeth Way to the west followed by commercial properties. The Phase One Property is irregular in shape and comprises an area of 8878.51 m^2 (0.888 hectares).

The Phase One Property is currently vacant and proposed for residential use; the Site was historically utilized for agricultural purposes.

3 SCOPE OF INVESTIGATION

The Phase One ESA was completed in accordance with O. Reg. 153/04, as amended under the Environmental Protection Act. The Phase One ESA is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for contamination at a property. The Phase One ESA satisfies the requirements of O. Reg. 153/04.

The Phase One ESA does not include sampling or testing of air, soil, groundwater, or building materials. These analyses would be conducted in a Phase Two ESA or designated hazardous substance survey, if warranted.

The Phase One Property is currently mixed commercial and residential, however, the Site was historically utilized for agricultural purposes prior to 1970s.

The Phase One Study Area includes the Site and all other properties located wholly or in part within 250 m of the boundaries of the Site. The qualified person for this ESA determined that no properties more than 250 m away from the Site boundaries needed to be included in the Phase One Study Area.

The general objectives of the Phase One ESA included the following:

- 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;
- To determine the need for a Phase Two ESA; and,
- To aid in the development of a Phase Two ESA scope of work, if required.

The scope of work for the Phase One ESA consisted of the following:

  - A records review which included the following (where available), but not limited to:
  - Publicly available city directories, aerial photographs, fire insurance plans, geological and topographical maps;
  - Fire insurance plans (FIPs), property underwriter's reports, if available;
  - A land title search to determine the ownership history of the Site;
  - Verifying aspects of historical regulatory compliance with the Ontario Ministry of the Environment, Conservation and Parks (MOE);
  - MOE documents regarding the potential historical use of the Site for waste disposal sites, coal gasification plant waste sites, industrial sites which produced or used coal tar and related tars and PCB storage sites;
  - Ecolog Environmental Risk Information Service (Ecolog) environmental database search for agency records, applicable to the Site and Phase One Study Area;

- Interviews with persons knowledgeable of the Site and Study Area, including representatives of the present owner;

- A Site reconnaissance of the Site with the Site Representative, considered to be the person who has most knowledge of the Site and a reconnaissance of the Phase One Study Area to identify potentially contaminating activities associated with the following:
  - Current on-site operations;
  - Waste generation;
  - Fuel, chemical, and waste storage;

  - Exterior and building interior Site conditions including surface features, fill material, and wells; and,
  - Potential off-site sources and operations in the Study Area;

- Evaluation of the information gathered from the records review, interviews, and Site reconnaissance; and,

- Preparation and submission of this Phase One ESA report to the Client.

4 RECORDS REVIEW

The review and evaluation of available records for the Phase One Property and Phase One Study Area are presented in the sections below.

(a) General

(i) Phase One Study Area Determination

Based on historical information and the City of Burlington zoning and land use data, the Phase One Property and Phase One Study Area have historically been developed for a mixture of residential and commercial land-uses located approximately 250 m from the Site. The Phase One Study Area within a distance of 250 m radius from the Phase One Property is considered applicable for this Phase One ESA.

The Phase One Property and Phase One Study Area are shown in **Figure 1**.

(ii) First Developed Use Determination

The Site was initially developed as agricultural property but has been vacant property since the 1970s.

(iii) Fire Insurance Plans (FIPs) and Underwriters' Reports

Fire Insurance Plans (FIPs) were available for the Phase One Property and Phase One Study Area . FIPs illustrate building construction, occupancy and potential fire hazards, as well as provide detailed information regarding storage tanks, transformers, boilers and electrical rooms.

No Fire Insurance Plans (FIP) were available for the Phase One Property from OPTA Information Intelligence.

(iv) Chain of Title

A Chain of Title was compiled for the Site by Ecolog ERIS. The properties have been owned by private individuals from 1798 to 1973.

To augment the Title Search, municipal city directories were requested from Ecolog ERIS in approximately 5 year intervals for the period 1990 to 2011 for the Phase One Property and selected addresses in the Phase One Study Area. The full city directory search is summarized in **Table 2**.

Table 2: Summary of City Directory for 1990 to 2011.

Address	Direction	Year	Occupancy
Site			
1167 Plains Rd E		1990-2011	Address not listed
Surrounding Properties			
1134 Plains Rd E		2011 1990-2010	Throat Threads OLCO Inc
1150 Plains Rd E		1990-2011	All Star Paving

Address	Direction	Year	Occupancy
1181 Plains E. Road		1990-2011	Burlington Storage
1200 Plains E. Road		1990-2011	Taylor Moving & Storage
1184 Plains E. Road		1990-2011	G.C. Duke Equipment
1065 Plains Rd E		2002-2011	IKEA

Based on the reviewed city directories, no on-site PCAs were identified.

(v) Previous Environmental Reports

No previous environmental report was provided to Landtek for review.

5 ENVIRONMENTAL SOURCE INFORMATION

(a) EcoLog Environmental Risk Information Service (ERIS)

An Ecolog ERIS search provides information from federal, provincial and private source databases and was searched for information relating to the Site and the Study Area. The Ecolog ERIS report is presented in **Appendix A**. The available databases were searched to determine if the Site, adjoining and/or neighboring properties were listed and if the listing(s) relate to actual or potential environmental contamination to the Site.

One Provincial, Federal, and/or Private Records were available for the Site. Multiple records were listed for the 0.25 km search radius from ERIS. Based on the nature of the listing and the distance to the Site the environmentally significant database records are summarized in **Table 3**.

Table 3: ERIS Records – Site and Phase One Study Area

Property Address	Distance (m) /Direction to Site	Database / Source of Information	Details	Concerns
1134 Plains E. Road TTA Investments	South	Environmental Brownfields Registry - Record of Site Condition	Acknowledged Sep 21/ 2010 intended use residential from commercial. Full depth non-potable RPI	This property is **not** anticipated to represent a PEC to the Site base to the RSC being completed for the Site in 2010.
1134 Plains E. Road OICO Inc		O. Reg, 347 Generators	Waste generator of aliphatic solvents, pathological wastes between 1986 and 2012	This property is **not** anticipated to represent a PEC to the Site base to the RSC being completed for the Site in 2010.
		Commercial fuel oil tanks	Single-wall fuel steel 13,600L est, 20 years as of 1992 (tank removed)	
		Expired, Private and Retail Fuel Storage Tank Inventories	Expired fuel storage tank - multiple expired fuel tanks and piping. 7/23/2009 Expired fuel oil tank.	
		Water well Database and Borehole Database	June 2010 boreholes / monitoring wells depth from 5 to 12m	
1150 Plains E. Road All Star Paving		O. Reg, 347 Waste Generators	Waste generator: waste oils & lubricants, petroleum distillates from 2002-2004	Based on the location, distance and gradient from the Site, this generation is **not** anticipated to represent a PEC to the Site.
1184 Plains E. Road G.C. Duke Equipment		O. Reg, 347 Waste Generators	Waste generator waste oil and petroleum distillates April 2020	Based on the location, distance and gradient from the Site, this is anticipated to represent a PEC to the Site.
		Private fuel tanks	Retail 1000L 1993/01/31	
		Expired, Fuel Storage Tank Inventories	Expired fuel storage tank propane tank and piping. Expired: no date	

Property Address	Distance (m) /Direction to Site	Database / Source of Information	Details	Concerns
1200 Plains E. Road Taylor Moving & Storage		Private fuel tanks	Retail inventory 13638L 1993/01/31	Based on the location, distance and gradient from the Site, this is **not** anticipated to represent a PEC to the Site.
		Expired, Private and Retail Fuel Storage Tank Inventories	Expired fuel storage tank inventory multiple expired fuel tanks and piping. Expired: 29/11/1990,	
		Ontario Spills Database	Spill diesel from vehicle 22/05/1998 contamination not anticipated	
1065 Plains E. Road IKEA Canada		O. Reg, 347 Waste Generators Summary	Waste generator of aromatic solvents, acid waste, compressed gas, heavy metals, paints & pigments, inorganics and petroleum distillates 2002-2020	Based on the location, distance and gradient from the Site, this generation is **not** anticipated to represent a PEC to the Site.
		Ontario Spills Database	Spill gasoline from vehicle 01/04/2007 contamination not anticipated	

Based on the reviewed city directories, no on-site PCAs were identified. PCAs were identified for the properties surrounding the site, as discussed below:

- 1134 Plains Road East operated with fuel oil tank (excess of 20 years plus) removed in 2010. Record of Site filed on the Site in 2010 for residential use.
- 1200 Plains Road East 13,638 L fuel storage tank Taylor Moving & Storage

The aforementioned PCAs are not anticipated to have significant impact on the site and were determined not to be APECs to the Site.

(b) Areas of Natural Significance

A search of the Ministry of Natural Resources and Forestry (MNRF) web application, Make a Natural Heritage Map completed by Landtek, identified no “Areas of Natural and Scientific Interest” (ANSIs) within approximately a 1.5 km radius of the Site. The ANSI map indicates there are no threatened or endangered species, provincially significant wetlands or ANSIs on the Site or within 30 m of the Site.

Hagar Creek is located approximately 30 meters east of the Site. No areas of natural significance are located within 250 m of the Site.

(c) Reports Submitted to the MOE (under Freedom of Information)

A request was sent to the MOE Freedom of Information (FOI) and Protection of Privacy office in order to determine if there were any recorded environmental issues or violations associated with the Site and/or have issued any approvals, licenses, or permits for the locations, including registration as a PCB storage facility, and/or if a waste generator number has ever been assigned to any of the properties, issued control orders or violation notices, and/or if the MOE has

knowledge or record that any of the subject properties have ever been used or is currently being used for waste disposal.

Once the response is received, Landtek will review the records and if any pertinent environmental information is found an update will be reported to the Client.

(d) Physical Setting Sources

(i) Historical Map and Aerial Photographs

A historical 1875 map of the Township of Nelson, City of Burlington, was reviewed. Information attained from this map indicates that the area of the Site was agricultural or estate land.

Aerial photographs of the Site and Study Area were obtained from the Phase One ESA for the Site completed by EcoLog ERIS and current satellite imagery. The photographs are presented in **Appendix B** and the information from these sources is summarized in **Table 4** below.

Table 4: Aerial Photograph Information

Year	Site	Study Area
1934	The Site land use was and agriculture use.	The surrounding land-use appears as undeveloped agricultural land surrounding the Site. Rail line located immediately north of the Site.
1950	Same as above.	Building located to the south. Highway located to the west of the Site.
1965	The Site land use was and agriculture use.	Several buildings located to the east of the Site. Buildings further to the east.
1973	Same as above.	Additional highway construction to the west.
1998	Same as above.	Commercial development to the east, several storage building to the east.
2008	Same as above	Same as above
2015	Same as above	Same as above
2019	Same as above	Same as above

Based on a review of the aforementioned aerial photographs, no on-site PCAs were identified. No PCAs were identified off-site which are not anticipated to represent APECs to the Site.

(ii) Topography, Hydrogeology and Geology

Geological and Hydrogeological information sources were reviewed to determine the nature of the subsurface strata on Site.

Based on a review of an existing geological publication for the site area, Ontario Geological Survey (OGS) Map 2509: "*Quaternary Geology of the Hamilton Area*", the site is underlain by a veneer of lacustrine and outwash sand deposits. These deposits generally comprise sands and silty sands. Underlying the sand deposits is clay or silt till, identified as a sequence of the Halton Till.

According to the OGS Map 2336 "*Paleozoic Geology of the Hamilton Area*", the superficial geology is underlain by red shale bedrock of the Queenston Formation. Previous geotechnical

investigation undertaken in the vicinity of the site indicates that shale bedrock is at shallow depths beneath the site (i.e. less than 5 m below existing ground level).

Information provided by a large number of historical borehole records from within the vicinity of the site, and held by the OGS, generally confirms the anticipated geological conditions beneath the site. Based on the data from records for boreholes, located approximately 100 m of the site, the superficial soil profile confirms the presence of silt or clay till underlying sand deposits to a depth of approximately 10 m. Red shale bedrock is reported underlying the till deposits.

The nearest open water feature is Lake Ontario, located approximately 1.5 km south of the project site.

According to the Ontario Geological Survey (OGS) for wells located within approximately 100 m of the site, static groundwater was reported at about 4.5 m below existing ground level in monitoring well BH(MW)2. This given, groundwater is anticipated as a perched regime at a shallow depth, associated with the superficial deposits overlying the anticipated residual soils of the weathered bedrock. Static groundwater levels within the deeper shale bedrock were not reported in any of the publically available information in the vicinity of the site.

(iii) Fill Material

Possible fill of unknown quality may be present in the areas of the previously existing residential dwellings. However, as discussed in **Section 4 (a) (v)**,

(iv) Water Bodies and Areas of Natural Significance

The nearest open water feature is Hager Creek is located approximately 30 metres east of the Site. No areas of natural significance are located within 250 m of the Site.

(v) Well Records

A search of the MOE Water Well Records database was reviewed for the Site and the Phase One Study Area. No water supply wells are reported to be located on the Site; five historical domestic and/or commercial water supply wells are reported to be located up-gradient of the site ranging in distance from 200 m to 250 m from the Site.

(e) Site Operating Records

The following site records were requested (in accordance with O. Reg. 153/04) but no information was able to be found or reported for review.

- Material Safety Data Sheets
- Inventories of chemicals, chemical usage, and chemical storage areas
- Inventory of above ground storage tanks and underground storage tanks
- Waste management records
- Records of spills and records of discharges
- Emergency response and contingency plans, including spill prevention
- Environmental Audit Reports

6 INTERVIEWS

Landtek conducted an interview with Site representative regarding the Site on September 10, 2020. The following information has been compiled from the interview responses:

- The Site has historically operated as agricultural use prior to 1970s but has been vacant since that time
- No building have ever been constructed on Site;
- No environmental concerns were raised regarding the Site;
- No USTs or ASTs are known to have ever been present on the Site; and
- The Site has been serviced by natural gas since the 1950s

7 SITE RECONNAISSANCE

On September 4th , 2018, Ms. Nicole Harper of Landtek conducted a walkover of the Phase One Study Area (i.e., properties located within 250 m of the Site) in conjunction with a review of regulatory/historical information pursuant to O. Reg. 153/04. Landtek was accompanied by the Site representative of the current owner for the walkover of the Phase One Property and the Phase One Study Area which involved the assessment of visible, publicly accessible portions of adjoining and neighbouring properties within the Phase One Study Area.

(a) General Requirements

Date and Time of Investigation	September 4th, 2018; 9:00 am to 12:00 pm
Weather Conditions	Sunny, 20 degrees C
Site Operations at time of Reconnaissance	Municipal Parking Lot/Residential/commercial business
Qualifications of the Person Conducting Investigations	Principal Site Investigator: Nicole Harper Qualified Person: Paul Blunt, P.Eng.,$Q.P._{ESA}$

Photographs of typical site conditions were taken and selected photographs are provided in **Appendix C**.

(i) Building Exit and Entry Points

The Site consisted of one vacant undeveloped parcel. No structures were located on Site.

(ii) Aboveground and Underground Storage Tanks

No aboveground storage tanks (ASTs) or underground storage tanks (USTs) were identified on the Phase One Property at the time of the Site inspection. In addition, there was no visual evidence of vent / fill pipes that would indicate UST's.

(iii) Drains, Pits and Sumps

No drains, pits or sumps were observed during the visual Site inspection.

(iv) Unidentified Substances

No unidentified substances were observed during the visual Site inspection.

(v) Staining and Corrosion

No staining or corrosion was observed during the visual Site inspection.

(vi) Existing and Former Wells

No abandoned or existing wells were reported to Landtek or observed during the visual Site inspection.

Water is currently supplied to the Site and surrounding properties from municipal sources.

(b) Specific Observations at Phase One Property

The Site consisted of one vacant undeveloped parcel. No structures were located on Site.

(c) Building Descriptions

The Site consisted of one vacant undeveloped parcel. No structures were located on Site.

(d) Exterior Site Conditions

The surficial features included manicured lawns. There was no evidence of stained or odorous soils at the time of the Site visit.

(e) Underground Utilities, Services and Sewage Works

The Site and the Phase One Study Area are serviced with electricity, natural gas, telecommunications, municipal storm and sanitary sewers, and municipal water.

(f) Stressed Vegetation

There was no evidence of vegetation stress at the time of the Site visit.

(g) Fill Materials

The fill material on the Site is considered to represent a potential environmental concern to the Site.

(h) Potentially Contaminating Activity

Landtek identified the following PCAs in Table 2 of Schedule D of O.Reg.153/04 in the Phase One Study Area. No potential contaminating activities were identified on Site; the following off-Site issues were identified as PCA to the Site.

- **PCA-A:** Active rail line located to the immediate north of the Site (Site visit and historical aerial photographs) - Schedule D **PCA#46**

- **PCA-B:** Plains Road East (Eco-log ERIS) - Schedule D **PCA#28** Former private fuel outlet with UST to the east of Site

The following PCAs are not considered areas of potential environmental concern (APEC) on the phase one property because they are down gradient of the inferred groundwater flow direction which was determined to be east across the Phase One Property and are not anticipated to represent a potential environmental concern to the Phase One Property.

- **PCA-C:** 1134 Plains Road East. (Ecolog & fire insurance report) - Schedule D **PCA#28** Former private fuel outlet with UST south of Site and transgradient

- **PCA-D:** 1184 Plains Road East. (Ecolog ERIS & fire insurance report) - Schedule D **PCA#28** Former private fuel outlet with UST 100 m east of Site and down gradient

- **PCA-E:** 1200 Plains Road East. (Ecolog ERIS & fire insurance report) - Schedule D **PCA#28** Former private fuel outlet with UST 100 m east of Site and down gradient

(i) Watercourses, Ditches or Standing Water

No watercourses, ditches or standing water were observed on the Phase One Property at the time of the Site visit.

(j) Air Emissions

No air emissions were being generated from the Phase One Property at the time of the Site visit.

(k) Enhanced Investigation Property

Enhanced Investigation Property, as defined in the O. Reg. 153/04, outlines how a Phase One Property is to be considered an Enhanced Investigation Property if the property is used, or has ever been used, in whole or in part for an industrial use (which involves assembling, fabricating, manufacturing, processing, producing, storing, warehousing or distributing goods or raw materials) or for a garage, bulk liquid dispensing facility or dry cleaning operation.

The Phase One Property is therefore, not considered an enhanced investigation property.

(l) Written Description of Investigation

(i) Investigation Details

Landtek conducted a Site reconnaissance of the Phase One Property to document in detail all areas of the Site. The exterior of the Phase One Property was visually inspected to document the location of underground utilities and service corridors; water wells; ground cover; areas of stained soil, vegetation and/or pavement; stressed vegetation; areas where fill and debris material appear to have been placed or graded; potentially contaminating activities; and unidentifiable substances.

The properties within the Phase One Study Area were visually inspected from public access ways to identify, locate and document potentially contaminating activities, water bodies, and areas of natural significance.

Photographs were taken to record findings during the Site reconnaissance. Selected photographs taken during the Site reconnaissance are presented in **Appendix C**.

(ii) Investigation of Site Visit Findings

During the Site visit PCAs were observed on the Phase One Property and within the Phase One Study Area, as discussed in **Section 8 (b)**.

The Site consisted of one vacant undeveloped parcel. No structures were located on Site.

8 REVIEW AND EVALUATION OF INFORMATION

(a) Current and Past Uses

Current and past uses of the Site were determined from historical aerial photographs, interviews, previous environmental reports, chain of title documents and city directories.

The Site consisted of one vacant undeveloped parcel. No structures were located on Site.

The Table of Current and Past Uses is provided in **Appendix E** and outlines the description and summary of the current and past uses of the Site.

(b) Potentially Contaminating Activity

Based on the findings of the records review, interviews and the Site reconnaissance completed, three PCAs were identified that have led to APECs at the Site.

- **PCA-A:** Active rail line located to the immediate north of the Site (Site visit and historical aerial photographs) - Schedule D **PCA#28**

- **PCA-B:** Plains Road East (Eco-log ERIS) - Schedule D **PCA#28** Former private fuel outlet with UST to the east of Site

(c) Areas of Potential Environmental Concern

The following is a summary of the PCA, PCA location, and associated APEC identified:

APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (groundwater, soil, and/or sediment)
APEC A	North side of the Site	46. Rail yards, tracks and spurs	Off-Site	Metals and As, Sb, Se, Hg, CN-EC, SAR, pH, PAHs	Soil
APEC B	South side of the Site	28, Gasoline and Associated Product Storage in Fixed Tanks	Off-Site	BTEX and PHC	groundwater

Notes:
1 - Area of Potential Environmental Concern (APEC) means the area on, in or under the Phase One Property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
(a) Identification of past or present uses on, in or under the phase one property, and
(b) Identification of potentially contaminating activity.
2 - Potentially contaminating activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring in a Phase One Study Area.
3 - Identify all contaminants of potential concern using the Method Groups as identified in the “Protocol for in the Assessment of Properties under Part XV.1 of the EPA, March 9, 2004, amended as of July 1, 2011.
4 - Media Potentially Impacted refers to soil, groundwater, surface water or sediment.
Metals - metals including hydrides (As, Sb, Se, Hg)
BTEX and PHC: benzene. toluene, ethylbenzene, xylenes and petroleum hydrocarbons

(d) Phase One Conceptual Site Model

Information sources for the development of a Conceptual Site Model was gathered from numerous sources (i.e., aerial photographs, environmental database searches, physical setting sources, interviews, and a Site reconnaissance), which reduces the risk of not identifying either a current or former property use for a PCA.

The locations of PCAs and APECs identified in the Phase One Conceptual Site Model (CSM), are provided in **Figure 2**.

Figure 2 contains the entire CSM including Figures and the full CSM summary.

9 CONCLUSIONS

Based on the results of the Phase One ESA, a Phase Two ESA is recommended to be completed for this Site.

(a) Signatures

Closure

We trust this report is satisfactory for you purposes. If you have any questions regarding our submission, please do not hesitate to contact this office.

Yours truly,

LANDTEK LIMITED



Paul Blunt, P.Eng.

Senior Environmental Engineer

Qualifications

Mr. Paul J Blunt, P.Eng. is a Senior Environmental Engineer with Landtek and has conducted and supervised Phase One ESAs for 30 years. Mr. Blunt obtained a B.Sc. in Chemical Engineering from University of Windsor in 1987 and is a licensed Professional Engineer in the Province of Ontario. Mr. Blunt has conducted and supervised Phase One Environmental Site Assessments over 1500 environmental site assessments on a variety of agricultural, residential, industrial, commercial and industrial properties. Mr. Blunt also has extensive experience in conducting Phase Two Environmental Site Assessments and is therefore familiar with how to assess potential concerns identified during the Phase One ESA. Mr. Blunt has conducted and supervised environmental projects throughout Canada, the United States and Australia.

Limitations

This report was prepared for the sole use of the Client, their legal counsel, and Client designated and authorized financial and mortgage institutions. It is intended to provide an evaluation of the current environmental conditions at the Site. Any use of this report, or decisions made based on it, by an unauthorized party, is the responsibility of the unauthorized party. Landtek Limited accepts no responsibility for damages of any type suffered by the unauthorized party as a result of actions or decisions made based on this report.

The conclusions and recommendations given in this report are based on information obtained from various sources noted and a visual examination of the site. It is based on the conditions of the Site at the time of the field investigation supplemented by a review of historical information to assess environmental conditions at the site reported. Landtek Limited assumes that information provided by others is factual and accurate, and accepts no responsibility for any deficiency, misstatement, of inaccuracy in this report from information provided by others.

Sampling and analysis of soil, groundwater, or other materials was not carried out as part of the scope of work. The findings of the assessment cannot be extended to reflect portions of the site that were unavailable for direct observation by Landtek Limited.

This assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. There is no warranty expressed or implied by this report concerning the status of the study site.

10 REFERENCES

Websites

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http://maps.google.ca/maps
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http://www.giscoeapp.lrc.gov.on.ca/matm/Index.html?site=Make_A_Topographic_Map&viewer=MATM&locale=en-US

Government of Ontario Environmental Registry web-site (https://www.ebr.gov.on.ca/ERS-WEBExternal/displaynoticecontent.do?noticeId=MTI0NjQz&statusId=MTg5NjM4&language=en)

MOECC small and large landfill websites (https://www.ontario.ca/environment-andenergy/small-landfill-sites-list?drpDistrict=Durham&drpStatus=all

https://www.ontario.ca/environment-and-energy/map-large-landfill-sites?region=Central)

Maps

OGS Earth. Bedrock Geology in the Province of Ontario at a compilation scale of 1:250 000. Ontario Ministry of Northern Development and Mines.

OGS Earth. Quaternary Geology of the Province of Ontario at a compilation scale of 1:1000000. Ontario Ministry of Northern Development and Mines.

Area of Natural and Scientific Interest Map, Ontario Ministry of Natural Resources, at a compilation scale of 1:4,513, 2014.

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Intera Technologies Limited, 1988. Inventory of Industrial Sites Producing or Using Coal. Prepared for Ontario Ministry of the Environment, Waste Management Branch.

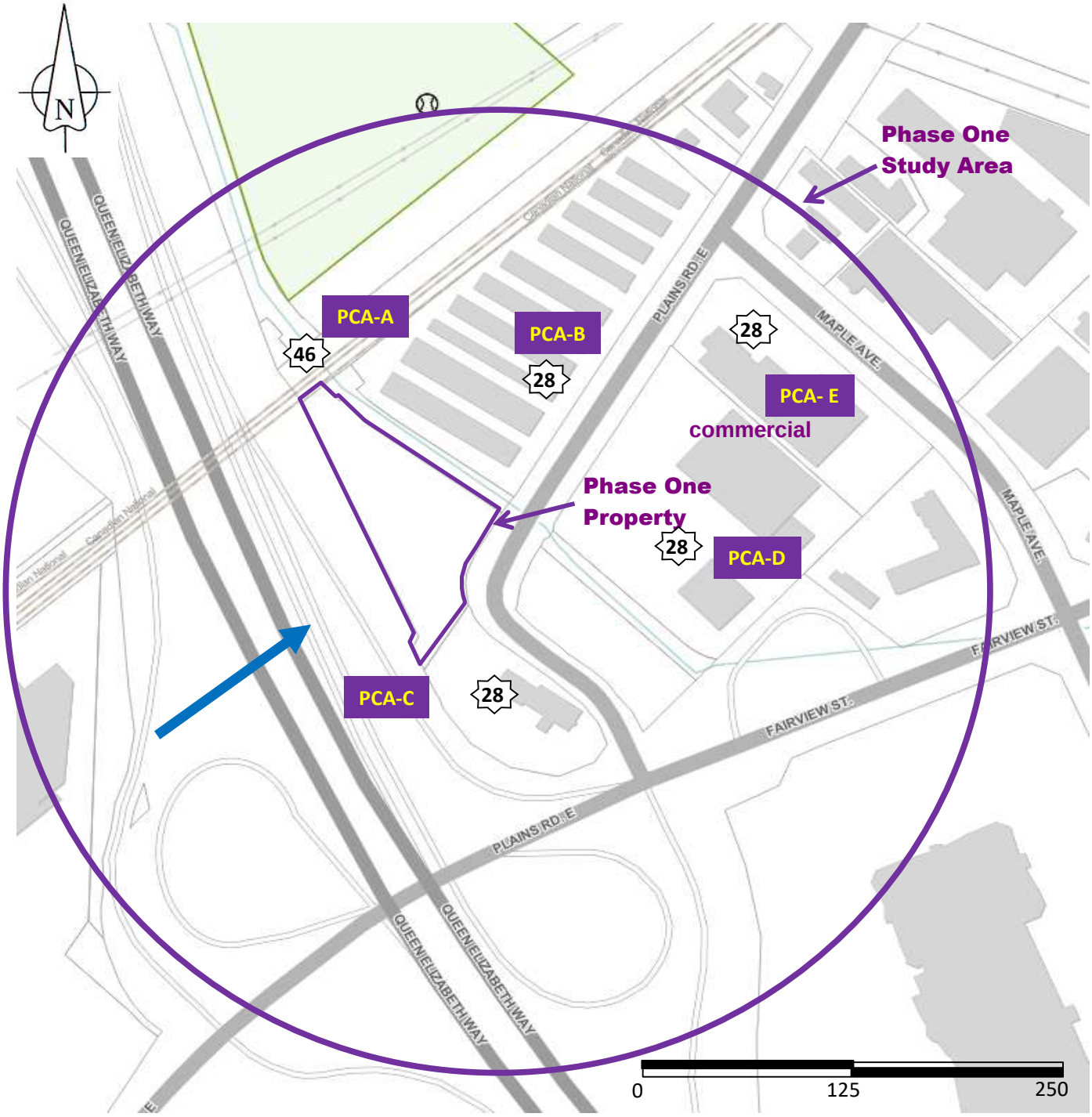
Aerial Photographs

Google Earth Pro historical images

Communications: Ontario Ministry of the Environment and Climate and Change

Environmental Protection Act. Ontario Regulation 153/04, Records of Site Condition – Part XV.1 of the Act. Under Environmental Protection Act, R.S.O. 1990, c. E.19.

FIGURES

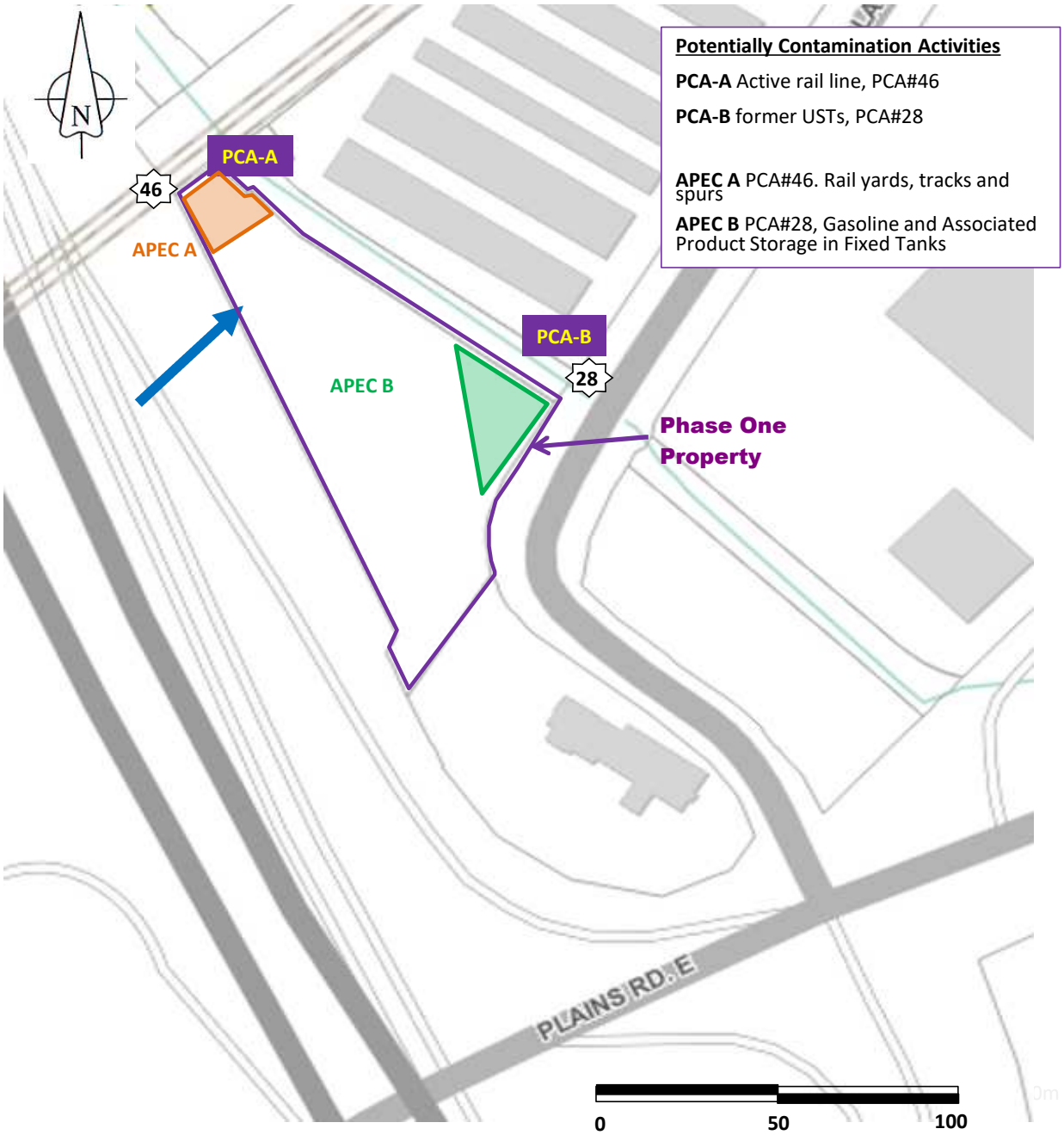


Potentially Contamination Activities

PCA-A	Off-Site, rail line and spurs, PCA#46
PCA-B	Off-Site, historical USTs, PCA #28
PCA-C	Off-Site, historical USTs, PCA #28
PCA-D	Off-Site, historical USTs, PCA #28
PCA-E	Off-Site, historical USTs, PCA #28

LANDTEK LIMITED

Scale:	Date: September 2020
Project:	Phase One ESA 1167 Plains Road East Burlington, Ontario
Title:	Dwg 1 - Site Location Plan
Project No. 20257A	



Potentially Contamination Activities

PCA-A Active rail line, PCA#46

PCA-B former USTs, PCA#28

APEC A PCA#46. Rail yards, tracks and spurs

APEC B PCA#28, Gasoline and Associated Product Storage in Fixed Tanks

Potentially Contamination Activities

PCA-A Off-Site, rail line and spurs, PCA#46

PCA-B Off-Site, historical USTs, PCA #28

LANDTEK LIMITED	
Scale:	Date: September 2020
Project:	Phase One ESA 1167 Plains Road East Burlington, Ontario
Title:	Dwg 2 - PCAs & APECs
Project No. 20257A	

APPENDIX A

Ecolog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*1134 & 1167 Plains Road,East, Burlington, ON* *1134 & 1167 Plains Road,East* *Burlington ON L7S 1W6*
Project No:	*20257A*
Report Type:	*Standard Report*
Order No:	*20281800288*
Requested by:	*Landtek Limited*
Date Completed:	*August 21, 2020*

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

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Executive Summary

Property Information:

Project Property:	*1134 & 1167 Plains Road,East, Burlington,ON* *1134 & 1167 Plains Road,East Burlington ON L7S 1W6*
Project No:	*20257A*

Coordinates:

Latitude:	*43.3291796*
Longitude:	*-79.8250123*
UTM Northing:	*4,798,040.97*
UTM Easting:	*595,258.87*
UTM Zone:	*17T*

Elevation:	*318 FT* *96.86 M*

Order Information:

Order No:	*20281800288*
Date Requested:	*August 18, 2020*
Requested by:	*Landtek Limited*
Report Type:	*Standard Report*

Historical/Products:

Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Land Title Search	*Historical Land Title Search*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	30	30
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	2	2
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
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	5	5
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	8	8
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	16	16
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
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	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	4	4
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	4	4
	Total:	0	72	72	

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	GEN	ALL STAR PAVING INC.	1150 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	ENE/57.1	-1.01	24
2	EHS		1134 Plains Road East Burlington ON L7S 1W6	SE/60.7	0.19	24
2	RSC	TTA Investments Inc.	1134 PLAINS RD E, BURLINGTON, ON, L7S 1W6 ON L7S 1W6	SE/60.7	0.19	24
3	EHS		1144-1150 Plains Rd East Burlington ON L7S 1W6	E/61.3	-1.04	25
4	EHS		Plains Road Burlington ON	S/70.0	0.98	25
5	WWIS		Burlington ON ***Well ID:*** 7147014	SE/90.9	-0.02	25
6	WWIS		Burlington ON ***Well ID:*** 7147015	SE/93.0	0.46	28
7	GEN	OICO INC	1134 Plains Road E Burlington ON L7S 1W6	ESE/94.6	-0.71	31
7	CFOT	OICO INC.	1134 Plains Road E BURLINGTON ON L7S 1W6	ESE/94.6	-0.71	31
7	EXP	OICO INC	1134 PLAINS RD E BURLINGTON ON	ESE/94.6	-0.71	31
7	EXP	OICO INC	1134 PLAINS RD E BURLINGTON ON L7S 1W6	ESE/94.6	-0.71	32
7	CFOT	OICO INC	1134 PLAINS RD E BURLINGTON ON L7S 1W6	ESE/94.6	-0.71	32

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	WWIS		Burlington ON **Well ID:** 7147016	SE/104.9	0.50	32
9	WWIS		ON **Well ID:** 7176331	ESE/120.9	-1.49	35
10	SPL		1069 Plaines Rd Burlington ON	ESE/124.7	-0.68	36
11	BORE		ON	S/145.6	1.23	36
12	BORE		ON	S/149.0	1.08	37
13	SPL	TRANSPORT TRUCK	PLAINS RD/FAIRVIEW EXIT OF QEW MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SE/156.7	-0.13	39
14	BORE		ON	WNW/164.0	3.05	39
15	BORE		ON	SSW/164.9	1.53	40
16	BORE		ON	S/170.0	0.70	42
17	BORE		ON	SSW/176.4	1.75	43
18	BORE		ON	NW/178.1	2.77	44
19	BORE		ON	NW/178.3	2.97	45
20	BORE		ON	S/181.0	0.23	45

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	BORE		ON	S/185.2	0.24	47
22	BORE		ON	SSW/186.9	2.17	48
23	BORE		ON	SSW/192.7	2.03	49
24	BORE		ON	WNW/194.5	6.95	50
25	PRT	G C DUKE EQUIP LTD	1184 PLAINS RD E BURLINGTON ON L7S1W6	ENE/196.7	-1.01	51
25	EXP	G C DUKE EQUIP LTD	1184 PLAINS RD E BURLINGTON ON	ENE/196.7	-1.01	51
25	EXP	G C DUKE EQUIP LTD	1184 PLAINS RD E BURLINGTON ON	ENE/196.7	-1.01	51
25	GEN	G.C. Duke Equipment Ltd.	1184 Plains Road East Burlington ON L7S 1W6	ENE/196.7	-1.01	51
26	BORE		ON	WNW/197.2	7.83	52
27	BORE		ON	S/197.6	0.28	53
28	BORE		ON	NW/200.8	2.87	54
29	BORE		ON	WNW/203.5	7.02	55
30	BORE		ON	SSW/210.7	1.37	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
31	BORE		ON	WNW/210.7	7.72	56
32	BORE		ON	WNW/210.9	6.02	57
33	BORE		ON	SSW/212.5	0.97	58
34	BORE		ON	W/214.2	4.19	59
35	BORE		ON	WNW/221.4	6.76	60
36	BORE		ON	NW/221.7	2.71	61
37	BORE		ON	SW/227.2	3.50	62
38	BORE		ON	WNW/232.8	4.23	63
39	BORE		ON	WNW/233.0	4.23	64
40	BORE		ON	SSW/233.3	2.85	65
41	BORE		ON	WNW/234.1	7.97	67
42	BORE		ON	WNW/237.8	7.42	67
43	SPL	TRANSPORT TRUCK	QEW S/B, JUST SOUTH OF PLAINS ROAD MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SSW/238.9	-0.65	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
44	PRT	TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON L7S 1W6	ENE/249.5	-1.01	70
44	EHS		1200 Plains Rd. E Burlington ON L7S 1W6	ENE/249.5	-1.01	70
44	EXP	TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON	ENE/249.5	-1.01	70
44	EXP	TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON L7S 1W6	ENE/249.5	-1.01	70
44	EXP	TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON	ENE/249.5	-1.01	70
44	EXP	TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON L7S 1W6	ENE/249.5	-1.01	71
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 PLAINS ROAD EAST BURLINGTON ON L7T 4K1	W/249.5	2.99	71
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	71
45	SPL		1065 Plains Rd E Burlington ON L7T 4K1	W/249.5	2.99	72
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	72
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	73
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	74
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	74

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON	W/249.5	2.99	75
45	EHS		1065 Plains Rd E Burlington ON L7T4K1	W/249.5	2.99	76
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	76
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	77
45	GEN	IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	78
45	GEN	IKEA CANADA LTD. PARTNERSHIP IKEA Burlington	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	78
45	GEN	IKEA CANADA LTD. PARTNERSHIP IKEA Burlington	1065 Plains Rd East Burlington ON L7T 4K1	W/249.5	2.99	79
46	GEN	Nalco Canada Co.	1197 Plains Rd. East Burlington ON L7S 2K2	NNE/249.9	-0.01	80

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 30 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	S	145.55	11
	ON	S	149.01	12
	ON	WNW	164.04	14
	ON	SSW	164.92	15
	ON	S	170.03	16
	ON	SSW	176.43	17
	ON	NW	178.13	18
	ON	NW	178.25	19
	ON	S	181.00	20
	ON	S	185.19	21

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	SSW	186.93	22
	ON	SSW	192.71	23
	ON	WNW	194.54	24
	ON	WNW	197.16	26
	ON	S	197.60	27
	ON	NW	200.82	28
	ON	WNW	203.50	29
	ON	SSW	210.72	30
	ON	WNW	210.75	31
	ON	WNW	210.93	32
	ON	SSW	212.48	33

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	W	214.16	34
	ON	WNW	221.36	35
	ON	NW	221.69	36
	ON	SW	227.24	37
	ON	WNW	232.82	38
	ON	WNW	232.96	39
	ON	SSW	233.27	40
	ON	WNW	234.13	41
	ON	WNW	237.82	42

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Feb 28, 2017 has found that there are 2 CFOT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
OICO INC.	1134 Plains Road E BURLINGTON ON L7S 1W6	ESE	94.55	7

OICO INC	1134 PLAINS RD E BURLINGTON ON L7S 1W6	ESE	94.55	7

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2020 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1134 Plains Road East Burlington ON L7S 1W6	SE	60.72	2
	Plains Road Burlington ON	S	70.00	4
	1065 Plains Rd E Burlington ON L7T4K1	W	249.53	45

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1144-1150 Plains Rd East Burlington ON L7S 1W6	E	61.25	3
	1200 Plains Rd. E Burlington ON L7S 1W6	ENE	249.45	44

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 8 EXP site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
OICO INC	1134 PLAINS RD E BURLINGTON ON L7S 1W6	ESE	94.55	7
OICO INC	1134 PLAINS RD E BURLINGTON ON	ESE	94.55	7

G C DUKE EQUIP LTD	1184 PLAINS RD E BURLINGTON ON	ENE	196.67	25
G C DUKE EQUIP LTD	1184 PLAINS RD E BURLINGTON ON	ENE	196.67	25
TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON	ENE	249.45	44
TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON L7S 1W6	ENE	249.45	44
TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON	ENE	249.45	44
TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON L7S 1W6	ENE	249.45	44

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 16 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP IKEA Burlington	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
IKEA CANADA LTD. PARTNERSHIP IKEA Burlington	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 PLAINS ROAD EAST BURLINGTON ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45
IKEA CANADA LTD. PARTNERSHIP	1065 Plains Rd East Burlington ON L7T 4K1	W	249.53	45

Lower Elevation	Address	Direction	Distance (m)	Map Key
ALL STAR PAVING INC.	1150 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	ENE	57.12	1
OICO INC	1134 Plains Road E Burlington ON L7S 1W6	ESE	94.55	7
G.C. Duke Equipment Ltd.	1184 Plains Road East Burlington ON L7S 1W6	ENE	196.67	25
Nalco Canada Co.	1197 Plains Rd. East Burlington ON L7S 2K2	NNE	249.93	46

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
G C DUKE EQUIP LTD	1184 PLAINS RD E BURLINGTON ON L7S1W6	ENE	196.67	25
TAYLOR MOVING & STORAGE LTD	1200 PLAINS RD E BURLINGTON ON L7S 1W6	ENE	249.45	44

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-May 2020 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
TTA Investments Inc.	1134 PLAINS RD E, BURLINGTON, ON, L7S 1W6 ON L7S 1W6	SE	60.72	2

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1065 Plains Rd E Burlington ON L7T 4K1	W	249.53	45

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1069 Plaines Rd Burlington ON	ESE	124.69	10
TRANSPORT TRUCK	PLAINS RD/FAIRVIEW EXIT OF QEW MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SE	156.75	13

TRANSPORT TRUCK	QEW S/B, JUST SOUTH OF PLAINS ROAD MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SSW	238.85	43

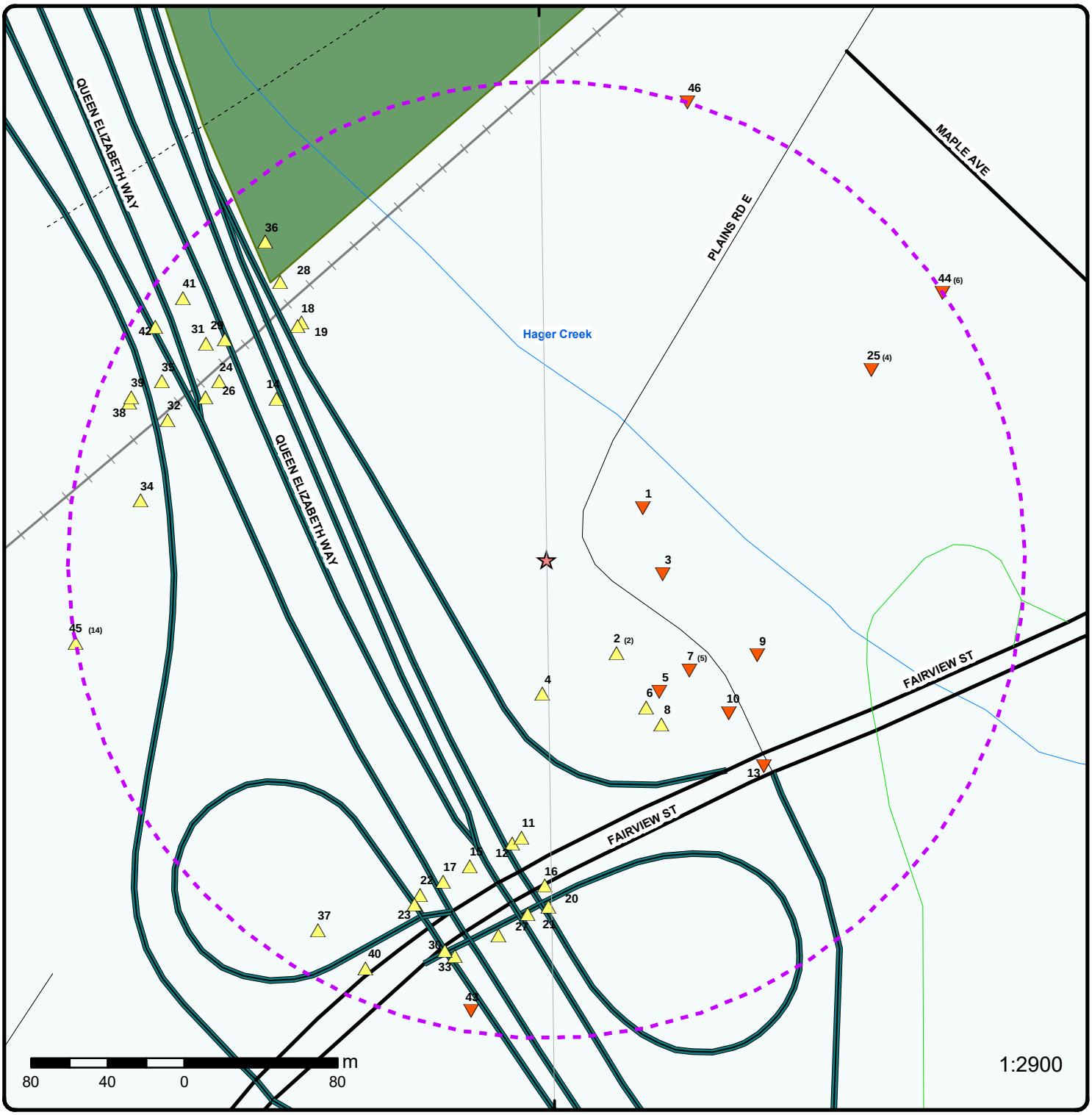
WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Burlington ON ***Well ID:*** 7147015	SE	92.97	6
	Burlington ON ***Well ID:*** 7147016	SE	104.92	8

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Burlington ON ***Well ID:*** 7147014	SE	90.85	5
	ON ***Well ID:*** 7176331	ESE	120.94	9

79°49'30"W



Map : 0.25 Kilometer Radius

Order Number: 20281800288

Address: 1134 & 1167 Plains Road,East, Burlington, ON

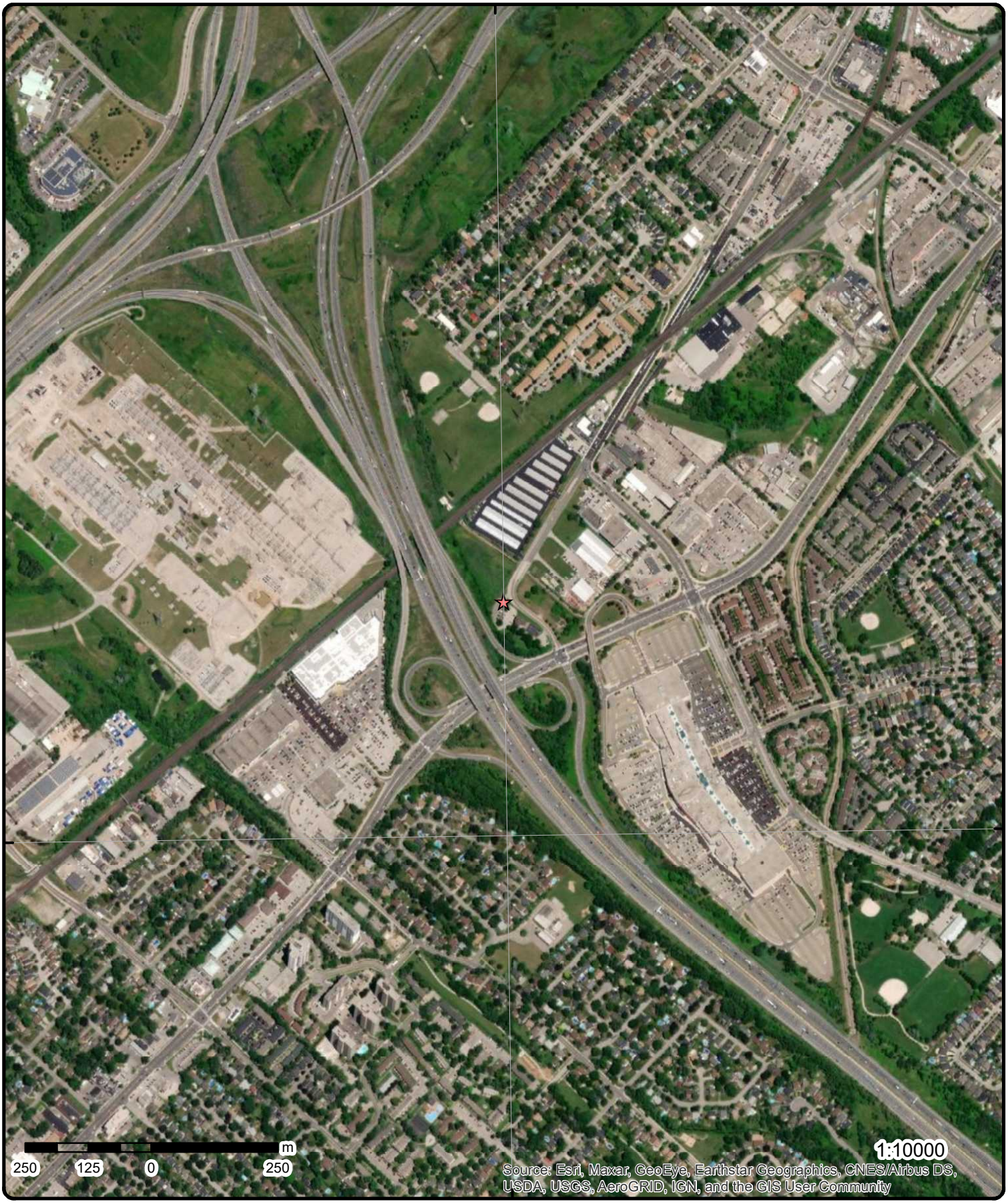
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- 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

Source: © 2015 DMTI Spatial Inc.

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79°49'30"W



Aerial **Year: 2018**

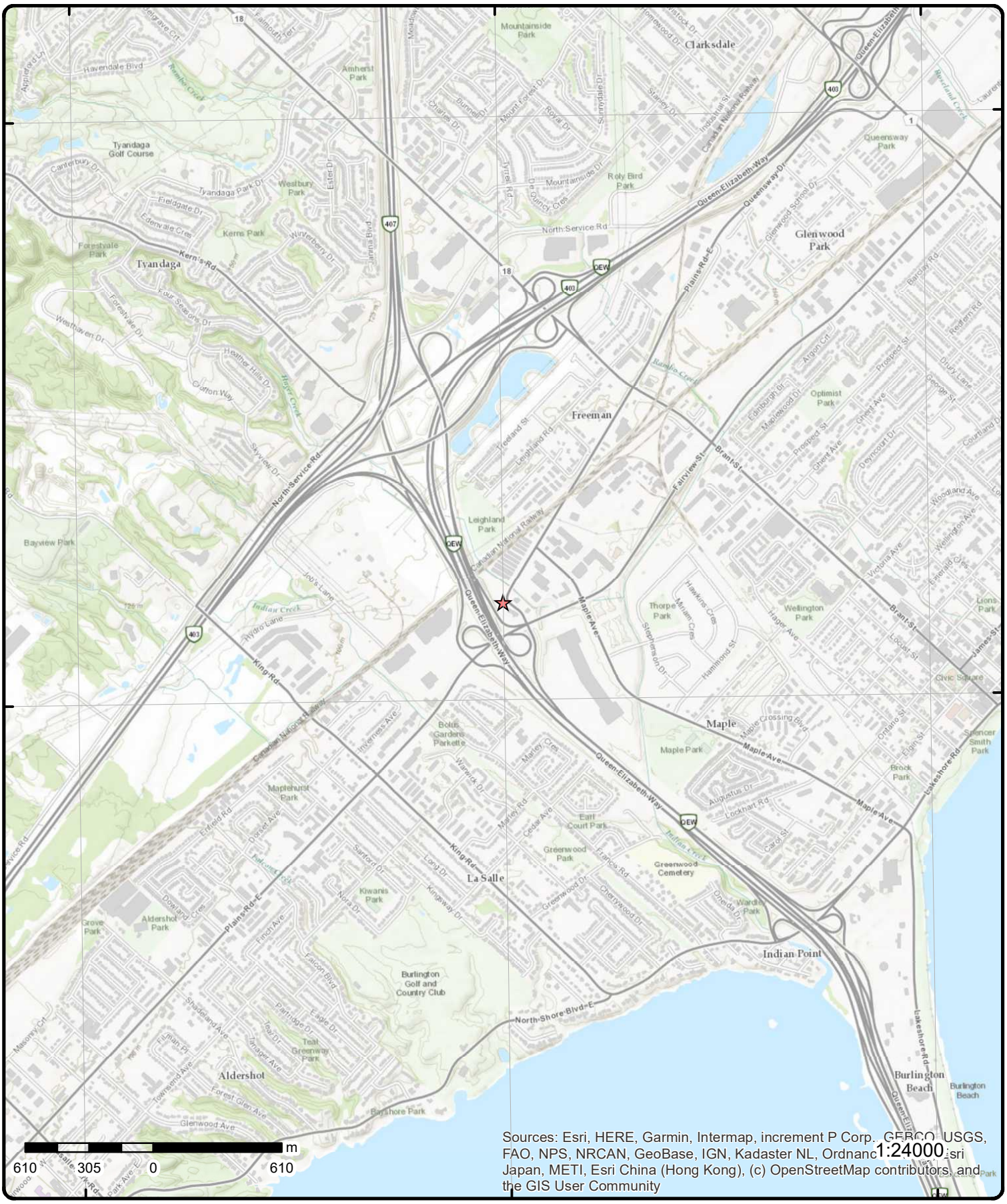
Order Number: 20281800288

Address: 1134 & 1167 Plains Road,East, Burlington, ON

Source: ESRI World Imagery

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership



Topographic Map

Address: 1134 & 1167 Plains Road,East, ON

Source: ESRI World Topographic Map

Order Number: 20281800288

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/57.1	95.8 / -1.01	ALL STAR PAVING INC. 1150 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	GEN

Generator No: ON2249861
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 2	SE/60.7	97.1 / 0.19	1134 Plains Road East Burlington ON L7S 1W6	EHS

Order No: 20100317035
Status: C
Report Type: Custom Report
Report Date: 3/24/2010
Date Received: 3/17/2010
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.824135
Y: 43.32867

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 2	SE/60.7	97.1 / 0.19	TTA Investments Inc. 1134 PLAINS RD E, BURLINGTON, ON, L7S 1W6 ON L7S 1W6	RSC

RSC ID: 85314
RA No:
RSC Type:
Curr Property Use: Commercial
Ministry District: BURLINGTON
Filing Date: 21-Sep-10
Date Ack:
Date Returned:
Restoration Type:
Soil Type:
Criteria:
CPU Issued Sect 1686: No
Asmt Roll No: 2402-020-213-15900-0000
Prop ID No (PIN): 07087-0387 (LT)
Property Municipal Address: 1134 PLAINS RD E, BURLINGTON, ON, L7S 1W6
Mailing Address: 1134 PLAINS RD E, BURLINGTON, ON, L7S 1W6
Latitude & Latitude: 43.32869790N 79.82455130W (converted from UTM)
UTM Coordinates: NAD83 17-595297-4797988
Consultant:

Cert Date: 1-Jun-10
Cert Prop Use No: No CPU
Intended Prop Use: Residential
Qual Person Name: Mr. Russell Fearon
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N): Yes
Accuracy Estimate: 2 to 5 meters
Telephone: 905-6818437
Fax: 905-6818433
Email: rfearon@throatthreads.com

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

Legal Desc: Consolidation of various properties; Part of Lt 14, RCP Plan 99, designated as PTS 1-5 Incl., 8, 10, 12-18, Incl., on 20R6130, PTS 1-4, Incl., on 20R10061 and PTS 8-10, Incl., on 20R17102 stopped up and closed by HR559307; PT of Plains Road East (formerly "The Old" QEW Highway), being PT of LT 14, PL 99 & Part of Hamilton and Nelson Road, Plan 99Des as PTS 6, 7, on 20R17102 stopped up and closed by instrument HR559307; Burlington. T/W 614417; S/T 804368, 92269 and S/T easement in gross over PT 7, on 20R17102 as in HR622550.
Measurement Method: Digitized from a map
Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:

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3 | **1 of 1** | **E/61.3** | **95.8 / -1.04** | **1144-1150 Plains Rd East Burlington ON L7S 1W6** | **EHS**

Order No: 20111110060
Status: C
Report Type: Standard Report
Report Date: 11/21/2011
Date Received: 11/10/2011 3:07:40 PM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.824264
Y: 43.329104

---

4 | **1 of 1** | **S/70.0** | **97.8 / 0.98** | **Plains Road Burlington ON** | **EHS**

Order No: 20060217006
Status: C
Report Type: Complete Report
Report Date: 2/27/2006
Date Received: 2/17/2006
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.3
X: -79.825051
Y: 43.32855

---

5 | **1 of 1** | **SE/90.9** | **96.8 / -0.02** | **Burlington ON** | **WWIS**

Well ID: 7147014
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z116042
Tag: A100013
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: 6/17/2010
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1134 PLAINS ROAD EAST
County: HALTON
Municipality: BURLINGTON CITY
Site Info: WKQ-002644 A0-A02
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7147014.pdf

Bore Hole Information

Bore Hole ID:	1003044239	**Elevation:**	96.675132
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595318
Code OB Desc:		**North83:**	4797972
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/26/2010	**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:	1003190638
Layer:	3
Color:	7
General Color:	RED
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	3.5
Formation End Depth:	5.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003190637
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.1
Formation End Depth:	3.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003190636
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	27
Most Common Material:	OTHER
Mat2:	
Mat2 Desc:	
Mat3:	85

Mat3 Desc: SOFT
Formation Top Depth: 0
Formation End Depth: .1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003190641
Layer: 2
Plug From: 0.31
Plug To: 2.1
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003190642
Layer: 3
Plug From: 2.1
Plug To: 5.5
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003190640
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003190648
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1003190635
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003190644
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 2.5
Casing Diameter: 4.03
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID:	1003190645
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1003190643
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003190639
Diameter:	10.9
Depth From:	0
Depth To:	5.5
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

6 **1 of 1** **SE/93.0** **97.3 / 0.46** **Burlington ON** **WWIS**

Well ID:	7147015	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	6/17/2010
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z116041	**Owner:**	
Tag:	A100015	**Street Name:**	1134 PLAINS ROAD EAST
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	WKQ-002644 A0-A02
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7147015.pdf

Bore Hole Information

Bore Hole ID:	1003044241	**Elevation:**	96.699539
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595311
Code OB Desc:		**North83:**	4797964

Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/26/2010	***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:	1003190756
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	27
Most Common Material:	OTHER
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003190758
Layer:	3
Color:	7
General Color:	RED
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	2.5
Formation End Depth:	5.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003190757
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.1
Formation End Depth:	2.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003190761
Layer:	2
Plug From:	0.31
Plug To:	2.1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003190762
Layer:	3
Plug From:	2.1
Plug To:	5.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003190760
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003190768
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1003190755
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003190764
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	2.5
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003190765
Layer:	1
Slot:	10
Screen Top Depth:	2.5
Screen End Depth:	5.5

Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.82

Water Details

Water ID: 1003190763
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003190759
Diameter: 10.9
Depth From: 0
Depth To: 5.5
Hole Depth UOM: m
Hole Diameter UOM: cm

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7 | ***1 of 5*** | ***ESE/94.6*** | ***96.2 / -0.71*** | ***OICO INC***
1134 Plains Road E
Burlington ON L7S 1W6 | ***GEN***

Generator No: ON6000410
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

---

7 | ***2 of 5*** | ***ESE/94.6*** | ***96.2 / -0.71*** | ***OICO INC.***
1134 Plains Road E
BURLINGTON ON L7S 1W6 | ***CFOT***

Licence No:
Registration No: 200204-1949
Posse File No:
Posse Reg No:
Tank Type:
Instance Number:
Facility Type:
Instance Type:
Status Name:
Fuel Type:
Distributor: Petro Partners
Tank Material: Steel
Tank Age (as of 05/1992): ~ 20 yrs
Tank Size: 13600 L

Letter Sent:
Corrosion Protection:
Province:
Nbr:
Contact Name: c/o Mike Glover
Contact Address: 4219 Spruce Ave
Contact Address2:
Contact Suite:
Contact City: Burlington
Contact Prov: ON
Contact Postal: L7L 1L1
Tank Address: 1134 Plains Road E
Comments: Tank Removed

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7 | ***3 of 5*** | ***ESE/94.6*** | ***96.2 / -0.71*** | ***OICO INC***
1134 PLAINS RD E
BURLINGTON ON | ***EXP***

Instance No: 61929832
Instance ID: 343477

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

Instance Type: FS Fuel Oil Tank
Description: Fuel Oil Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

---

7 | **4 of 5** | **ESE/94.6** | **96.2 / -0.71** | **OICO INC**
1134 PLAINS RD E
BURLINGTON ON L7S 1W6 | **EXP**

Instance No: 61929832
Instance ID:
Instance Type: FS Fuel Oil Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 7/23/2009 12:38

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7 | **5 of 5** | **ESE/94.6** | **96.2 / -0.71** | **OICO INC**
1134 PLAINS RD E
BURLINGTON ON L7S 1W6 | **CFOT**

Licence No:
Registration No:
Posse File No:
Posse Reg No:
Tank Type: Liquid Fuel Single Wall UST
Instance Number: 61929832
Facility Type: FS Fuel Oil Tank
Instance Type: FS Fuel Oil Tank
Status Name: EXPIRED
Fuel Type: Fuel Oil
Distributor:
Tank Material: Steel
Tank Age (as of 05/1992):
Tank Size: 13600

Letter Sent:
Corrosion Protection:
Province: ON
Nbr: 3942
Contact Name:
Contact Address:
Contact Address2:
Contact Suite:
Contact City:
Contact Prov:
Contact Postal:
Tank Address: 1134 PLAINS RD E
Comments:

---

8 | **1 of 1** | **SE/104.9** | **97.4 / 0.50** | **Burlington ON** | **WWIS**

Well ID: 7147016
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z116040
Tag: A100014
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src:
Date Received: 6/17/2010
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1134 PLAINS ROAD EAST
County: HALTON
Municipality: BURLINGTON CITY
Site Info: WKQ-002644 A0-A02
Lot:
Concession:
Concession Name:

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

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7147016.pdf

Bore Hole Information

Bore Hole ID:	1003044243	**Elevation:**	96.591148
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595319
Code OB Desc:		**North83:**	4797955
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/26/2010	**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:	1003190811
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	27
Mat2 Desc:	OTHER
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003190812
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.2
Formation End Depth:	3.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID: 1003190813
Layer: 3
Color: 7
General Color: RED
Mat1: 10
Most Common Material: COARSE SAND
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 3.5
Formation End Depth: 5.3
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003190817
Layer: 3
Plug From: 2
Plug To: 5.3
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003190816
Layer: 2
Plug From: 0.31
Plug To: 2
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003190815
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003190823
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1003190810
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003190819
Layer: 1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	2.3
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003190820
Layer:	1
Slot:	10
Screen Top Depth:	2.3
Screen End Depth:	5.3
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Water Details

Water ID:	1003190818
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003190814
Diameter:	10.9
Depth From:	0
Depth To:	5.3
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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9 **1 of 1** **ESE/120.9** **95.4 / -1.49** **ON** **WWIS**

Well ID:	7176331	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	2/9/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	6607
Casing Material:		**Form Version:**	5
Audit No:	M10495	**Owner:**	
Tag:	A115202	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	BB
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7176331.pdf

Bore Hole Information

Bore Hole ID:	1003689545	**Elevation:**	96.354911
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595369
Code OB Desc:		**North83:**	4797991
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/5/2011	**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:			

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10 | ***1 of 1*** | ***ESE/124.7*** | ***96.2 / -0.68*** | ***1069 Plaines Rd Burlington ON*** | ***SPL***

Ref No:	1211-82SM23	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Discharge or Emission to Air	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	38	**Nearest Watercourse:**	
Contaminant Name:	REFRIGERANT GAS, N.O.S.	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	
Nature of Impact:	Air Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2/18/2010	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Spill	**Source Type:**	
Site Name:	Fortinos Supermarket<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Fortinos Supermarket: 174kg R22 to atms.		
Contaminant Qty:	174 kg		

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11 | ***1 of 1*** | ***S/145.6*** | ***98.1 / 1.23*** | ***ON*** | ***BORE***

Borehole ID:	890457	**Inclin FLG:**	No
OGF ID:	215583379	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	05-JAN-1956	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327876
Total Depth m:	11.8	**Longitude DD:**	-79.825196

Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595246
Drill Method:	Diamond Drill	**Northing:**	4797896
Orig Ground Elev m:		**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	96.2		
Concession:	BRANTS BLOCK		
Location D:	Soil conditions and engineering study installation of west end sanitary trunk sewer Burlington, Ontario		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8501702	**Mat Consistency:**	Very Stiff
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	7.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Stoney	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Very stiff dark grey clay (stony) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8501701	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	Fine to Medium
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	F-M. Sand **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8501703	**Mat Consistency:**	Soft
Top Depth:	7.3	**Material Moisture:**	
Bottom Depth:	11.8	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Soft grey - brown clay to silty clay (stiffer) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

12	1 of 1	S/149.0	97.9 / 1.08	ON	BORE

Borehole ID:	890818	**Inclin FLG:**	No
OGF ID:	215583732	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	19-NOV-1980	**Municipality:**	
Static Water Level:	0.8	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.32785
Total Depth m:	4.2	**Longitude DD:**	-79.825258
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595241
Drill Method:	Solid stem auger	**Northing:**	4797893

Orig Ground Elev m:	29.5	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	96.3		
Concession:	BRANTS BLOCK		
Location D:	Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8502718	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.3	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	Fill-Misc
Material 1:	Fill	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Silty	***Geologic Period:***	
Material 4:	Gravel	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	fill, silty sand, trace of gravel & clay, brick & cinder pieces, brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502719	***Mat Consistency:***	Loose
Top Depth:	.3	***Material Moisture:***	
Bottom Depth:	1.3	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Granite	***Geologic Group:***	
Material 3:	Silt	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Sand, irregularly bedded. Uniform fine to fine to coarse with gravel, trace of silt. Loose to dense. Brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502722	***Mat Consistency:***	
Top Depth:	3.2	***Material Moisture:***	
Bottom Depth:	3.4	***Material Texture:***	
Material Color:	Red-Brown	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Gravel	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:	Till	***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	Sand, gravel with clay (glacial till) dense reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502721	***Mat Consistency:***	Hard
Top Depth:	2.7	***Material Moisture:***	
Bottom Depth:	3.2	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Silt	***Geologic Formation:***	
Material 2:	Clayey	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:	Sand	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Clayey silt interbedded with clay, some sand seams, hard, grey **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502720	***Mat Consistency:***	
Top Depth:	1.3	***Material Moisture:***	
Bottom Depth:	2.7	***Material Texture:***	
Material Color:	Grey-Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silty	***Geologic Group:***	
Material 3:	Silt	***Geologic Period:***	

Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Mixture of silty clay to clayey silt and sand, trace of gravel (Glacial Till) Hard Light-grey-brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502723	**Mat Consistency:**	
Top Depth:	3.4	**Material Moisture:**	
Bottom Depth:	4.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Shale bedrock, weathered, sound **Note: Many records provided by the department have a truncated [Stratum Description] field.		

13	1 of 1	SE/156.7	96.7 / -0.13	TRANSPORT TRUCK PLAINS RD/FAIRVIEW EXIT OF QEW MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SPL

Ref No:	159272	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	8/22/1998	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	NOT ANTICIPATED	**Site Municipality:**	14101
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	BURLINGTON F/D
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/22/1998	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	ERROR	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	NATREL-5L DIESEL SPRAYED TO RD, P-LOT. NONE TO C- BASINS. CLEANED. F/D.		
Contaminant Qty:			

14	1 of 1	WNW/164.0	99.9 / 3.05	ON	BORE

Borehole ID:	890917	**Inclin FLG:**	No
OGF ID:	215583765	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	18-NOV-1980	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.329954
Total Depth m:	6.6	**Longitude DD:**	-79.826735
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595118

Drill Method:	Solid stem auger	**Northing:**	4798125
Orig Ground Elev m:	98.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	100		
Concession:	BRANTS BLOCK		
Location D:	geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy. 403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8503130	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Silty	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Fill - silty clay, trace of sand. Brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503131	**Mat Consistency:**	Compact
Top Depth:	1	**Material Moisture:**	
Bottom Depth:	1.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand, fine to coarse, silty, trace of clay & gravel. Compact brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503132	**Mat Consistency:**	
Top Depth:	1.7	**Material Moisture:**	
Bottom Depth:	6.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Silty clay, some sand, trace of gravel, occ. Silt inclusions (glacial till) V. stiff to hard brown-greyish-brown. Occ. Red weathered shale fragments below 3.7 m **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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15 ***1 of 1*** ***SSW/164.9*** ***98.4 / 1.53*** ***ON*** ***BORE***

Borehole ID:	890823	**Inclin FLG:**	No
OGF ID:	215583737	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	25-NOV-1980	**Municipality:**	
Static Water Level:	0.9	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327744
Total Depth m:	3.7	**Longitude DD:**	-79.825532
Depth Ref:	Ground Surface	**UTM Zone:**	17

Depth Elev:		***Easting:***	595219
Drill Method:	Hollow stem auger	***Northing:***	4797881
Orig Ground Elev m:	29.6	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	96.9		
Concession:	BRANTS BLOCK		
Location D:	Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8502748	***Mat Consistency:***	Hard
Top Depth:	2.6	***Material Moisture:***	
Bottom Depth:	3.3	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Silt	***Geologic Formation:***	
Material 2:	Clayey	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502749	***Mat Consistency:***	
Top Depth:	3.3	***Material Moisture:***	
Bottom Depth:	3.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	
Material 4:	Shale	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Sand & gravel (till) weathered shale **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502747	***Mat Consistency:***	Hard
Top Depth:	1.4	***Material Moisture:***	
Bottom Depth:	2.6	***Material Texture:***	
Material Color:	Grey-Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silty	***Geologic Group:***	
Material 3:	Silt	***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	Mixture of silty clay to clayey silt and sand, trace of gravel (glacial till) Hard, light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502745	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.2	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Fill	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Fill **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502746	***Mat Consistency:***	Loose
Top Depth:	.2	***Material Moisture:***	
Bottom Depth:	1.4	***Material Texture:***	
Material Color:	Red-Brown	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Gravel	***Geologic Group:***	

Material 3:	Sandy	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand, bedded, fine to medium with trace of gravel, with layers of sandy gravel, loose to very dense. Reddish brown to brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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16 | ***1 of 1*** | ***S/170.0*** | ***97.6 / 0.70*** | ***ON*** | ***BORE***

Borehole ID:	890458	**Inclin FLG:**	No
OGF ID:	215583380	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	05-JAN-1956	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327649
Total Depth m:	12.2	**Longitude DD:**	-79.825053
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595258
Drill Method:	Diamond Drill	**Northing:**	4797871
Orig Ground Elev m:		**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	95.8		
Concession:	BRANTS BLOCK		
Location D:	Soil conditions and engineering study installation of west end sanitary trunk sewer Burlington, Ontario		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8501708	**Mat Consistency:**	
Top Depth:	9.9	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	Medium
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Stoney	**Geologic Group:**	
Material 3:	Shale	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Medium grey clay stoney to shale **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8501707	**Mat Consistency:**	
Top Depth:	7.9	**Material Moisture:**	
Bottom Depth:	9.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8501706	**Mat Consistency:**	Stiff
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:	7.9	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: Stiff dark grey to brown clay **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 8501705
Top Depth: 0
Bottom Depth: 4.3
Material Color:
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: Sand **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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17 **1 of 1** **SSW/176.4** **98.6 / 1.75** **ON** **BORE**

Borehole ID: 890827
OGF ID: 215583739
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 26-NOV-1980
Static Water Level: 0.6
Primary Water Use:
Sec. Water Use:
Total Depth m: 3.4
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Hollow stem auger
Orig Ground Elev m: 29.2
Elev Reliabil Note:
DEM Ground Elev m: 97.3
Concession: BRANTS BLOCK
Location D: Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township: NELSON
Latitude DD: 43.327674
Longitude DD: -79.825706
UTM Zone: 17
Easting: 595205
Northing: 4797873
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 8502756
Top Depth: 0
Bottom Depth: 1
Material Color: Red-Brown
Material 1: Sand
Material 2: Gravel
Material 3: Silt
Material 4: Gravel
Gsc Material Description:
Stratum Description: Sand, bedded fine to medium, trace of gravel and silt. Layers of sandy gravel at bottom compact to dense reddish brown to brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Mat Consistency: Compact
Material Moisture:
Material Texture: Fine to Medium
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 8502757
Top Depth: 1
Bottom Depth: 2.4
Material Color: Grey-Brown
Material 1: Clay
Material 2: Silty
Material 3: Silt
Material 4:
Gsc Material Description:
Stratum Description: Mixture of silty clay to clayey silt and sand trace of gravel (glacial till) hard light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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

Geology Stratum ID:	8502758	**Mat Consistency:**	Hard
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	3.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clayey	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502759	**Mat Consistency:**	
Top Depth:	3.1	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand & Gravel (till) weathered shale **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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18 | ***1 of 1*** | ***NW/178.1*** | ***99.6 / 2.77*** | ***ON*** | ***BORE***

Borehole ID:	890465	**Inclin FLG:**	No
OGF ID:	215583387	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	06-MAY-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330312
Total Depth m:	7.8	**Longitude DD:**	-79.826568
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595131
Drill Method:	Diamond Drill	**Northing:**	4798165
Orig Ground Elev m:	98.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	99.8		
Concession:	BRANTS BLOCK		
Location D:	Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8501720	**Mat Consistency:**	Very Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	7.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Very stiff reddish grey silty clay with occasional occurrence of fine gravel; becoming extremely stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	NW/178.3	99.8 / 2.97	ON	BORE

Borehole ID:	890918	**Inclin FLG:**	No
OGF ID:	215583766	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	18-NOV-1980	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330295
Total Depth m:	6.6	**Longitude DD:**	-79.826593
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595129
Drill Method:	Solid stem auger	**Northing:**	4798163
Orig Ground Elev m:	98	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	99.8		

Concession: BRANTS BLOCK

Location D: geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy. 403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario

Survey D:

Comments:

Borehole Geology Stratum

Geology Stratum ID:	8503134	**Mat Consistency:**	Hard
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	6.6	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: Silty clay, sand, trace of gravel, occasional silt inclusions. (Glacial Till) Hard, brown greyish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503133	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: Topsoil **Note: Many records provided by the department have a truncated [Stratum Description] field.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	S/181.0	97.1 / 0.23	ON	BORE

Borehole ID:	890821	**Inclin FLG:**	No
OGF ID:	215583735	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	24-NOV-1980	**Municipality:**	
Static Water Level:	0.6	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.32755
Total Depth m:	3.3	**Longitude DD:**	-79.82503

Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	595260
Drill Method:	Hollow stem auger	***Northing:***	4797860
Orig Ground Elev m:	29.3	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	95.6		

Concession: BRANTS BLOCK
Location D: Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8502736	***Mat Consistency:***	Compact
Top Depth:	.6	***Material Moisture:***	
Bottom Depth:	1	***Material Texture:***	Fine to Medium
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Granite	***Geologic Group:***	
Material 3:	Sandy	***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: Sand, fine to medium, sandy gravel at bottom compact to dense, brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502737	***Mat Consistency:***	Hard
Top Depth:	1	***Material Moisture:***	
Bottom Depth:	2.3	***Material Texture:***	
Material Color:	Grey-Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silty	***Geologic Group:***	
Material 3:	Silt	***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial

Gsc Material Description:
Stratum Description: Mixture of silty clay to clayey silt and sand with some gravel (glacial till) hard light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502735	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.6	***Material Texture:***	
Material Color:	Red-Brown	***Non Geo Mat Type:***	
Material 1:	Fill	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Silty	***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: Fill, silty sand reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502739	***Mat Consistency:***	
Top Depth:	3.1	***Material Moisture:***	
Bottom Depth:	3.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Shale	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: Probably weathered shale **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502738	***Mat Consistency:***	Hard
Top Depth:	2.3	***Material Moisture:***	
Bottom Depth:	3.1	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	

Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clayey	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

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21 | ***1 of 1*** | ***S/185.2*** | ***97.1 / 0.24*** | ***ON*** | ***BORE***

Borehole ID:	890822	**Inclin FLG:**	No
OGF ID:	215583736	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	24-NOV-1980	**Municipality:**	
Static Water Level:	0.3	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327516
Total Depth m:	3.5	**Longitude DD:**	-79.825166
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595249
Drill Method:	Hollow stem auger	**Northing:**	4797856
Orig Ground Elev m:	29.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	95.8		

Concession: BRANTS BLOCK

Location D: Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington

Survey D:

Comments:

Borehole Geology Stratum

Geology Stratum ID:	8502741	**Mat Consistency:**	Dense
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	1.1	**Material Texture:**	Fine to Coarse
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:	Sandy	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Sand, bedded fine to coarse to sandy gravel dense to very dense brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502743	**Mat Consistency:**	Hard
Top Depth:	2.6	**Material Moisture:**	
Bottom Depth:	3.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clayey	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502740	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	

Material 3:	Silty	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Fill, silty sand reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502744	**Mat Consistency:**	
Top Depth:	3.2	**Material Moisture:**	
Bottom Depth:	3.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand & gravel (till) weathered shale **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502742	**Mat Consistency:**	Hard
Top Depth:	1.1	**Material Moisture:**	
Bottom Depth:	2.6	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Mixture of silty clay to clayey silt and sand, trace of gravel (glacial till) hard light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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22 **1 of 1** **SSW/186.9** **99.0 / 2.17** **ON** **BORE**

Borehole ID:	890820	**Inclin FLG:**	No
OGF ID:	215583734	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	21-NOV-1980	**Municipality:**	
Static Water Level:	0.6	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327613
Total Depth m:	3.5	**Longitude DD:**	-79.825855
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595193
Drill Method:	Hollow stem auger	**Northing:**	4797866
Orig Ground Elev m:	29.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	97.7		
Concession:	BRANTS BLOCK		
Location D:	Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8502732	**Mat Consistency:**	Hard
Top Depth:	1.2	**Material Moisture:**	
Bottom Depth:	2.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: Mixture of silty clay to clayey silt and sand, trace of gravel (glacial till) Hard light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502730	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	Fill-Misc
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	

Gsc Material Description:
Stratum Description: Fill, sand, trace of gravel and clay reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502734	**Mat Consistency:**	
Top Depth:	3.1	**Material Moisture:**	
Bottom Depth:	3.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: Shale bedrock weathered **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502731	**Mat Consistency:**	Dense
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	1.2	**Material Texture:**	Fine to Medium
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: sand, bedded, fine to medium, trace of gravel and silt loose to dense brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502733	**Mat Consistency:**	Hard
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	3.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clayey	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: Clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

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23 | **1 of 1** | **SSW/192.7** | **98.9 / 2.03** | **ON** | **BORE**

Borehole ID:	891590	**Inclin FLG:**	No
OGF ID:	215584394	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	16-JAN-2006	**Municipality:**	
Static Water Level:	3.0	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327568
Total Depth m:	9.1	**Longitude DD:**	-79.825893

Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595190
Drill Method:	Hollow stem auger	**Northing:**	4797861
Orig Ground Elev m:		**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	97.9		
Concession:	BRANTS BLOCK		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8505299	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravelly	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand to gravelly sand **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8505300	**Mat Consistency:**	Stiff
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	9.1	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Stiff grey brown clay **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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24 ***1 of 1*** ***WNW/194.5*** ***103.8 / 6.95*** ***ON*** ***BORE***

Borehole ID:	890466	**Inclin FLG:**	No
OGF ID:	215583388	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	09-MAY-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330039
Total Depth m:	6.2	**Longitude DD:**	-79.827103
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595088
Drill Method:	Diamond Drill	**Northing:**	4798134
Orig Ground Elev m:	98.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	106		
Concession:	BRANTS BLOCK		
Location D:	Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway		
Survey D:			
Comments:			

Borehole Geology Stratum

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

Geology Stratum ID:	8501721	**Mat Consistency:**	Very Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Very stiff reddish-grey clay silty with occasional occurrence of some fine gravel. Very stiff becoming extremely stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.

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25 *1 of 4* *ENE/196.7* *95.8 / -1.01*

G C DUKE EQUIP LTD
1184 PLAINS RD E
BURLINGTON ON L7S1W6

PRT

Location ID:	18966
Type:	retail
Expiry Date:	1993-01-31
Capacity (L):	1000
Licence #:	0076353416

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25 *2 of 4* *ENE/196.7* *95.8 / -1.01*

G C DUKE EQUIP LTD
1184 PLAINS RD E
BURLINGTON ON

EXP

Instance No:	9907437
Instance ID:	398045
Instance Type:	FS Facility
Description:	FS Propane Refill Cntr - Cylr Fill
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

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25 *3 of 4* *ENE/196.7* *95.8 / -1.01*

G C DUKE EQUIP LTD
1184 PLAINS RD E
BURLINGTON ON

EXP

Instance No:	11095841
Instance ID:	68676
Instance Type:	FS Propane Tank
Description:	FS Propane Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

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25 *4 of 4* *ENE/196.7* *95.8 / -1.01*

G.C. Duke Equipment Ltd.
1184 Plains Road East
Burlington ON L7S 1W6

GEN

Generator No:	ON5317697	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Apr 2020	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			

SIC Description:

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

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26 ***1 of 1*** ***WNW/197.2*** ***104.7 / 7.83*** ***ON*** ***BORE***

Borehole ID: 890916
OGF ID: 215583764
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 22-NOV-1980
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 6.6
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Solid stem auger
Orig Ground Elev m: 99.3
Elev Reliabil Note:
DEM Ground Elev m: 106
Concession: BRANTS BLOCK
Location D: geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy. 403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township: NELSON
Latitude DD: 43.329968
Longitude DD: -79.827191
UTM Zone: 17
Easting: 595081
Northing: 4798126
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 8503126
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Fill
Material 2: Gravel
Material 3: Sandy
Material 4:
Gsc Material Description:
Stratum Description: Fill- sandy gravel.

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

Geology Stratum ID: 8503127
Top Depth: .3
Bottom Depth: .4
Material Color: Red-Brown
Material 1: Fill
Material 2: Silt
Material 3: Clayey
Material 4: Sand
Gsc Material Description:
Stratum Description: Fill- clayey silt, trace of sand and gravel, occ. Shale fragments. Reddish brown firm **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 8503128
Top Depth: .4

Mat Consistency: Loose
Material Moisture:

Bottom Depth:	.6	**Material Texture:**	Fine to Coarse
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Sand, fine to coarse trace silt and gravel. Loose dark grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503129	**Mat Consistency:**	
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	2	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial

Gsc Material Description:

Stratum Description: Silty clay, some sand, trace of gravel, occ. Silt inclusions (glacial till) hard. Brown greyish brown. Red weathered shale layers and fragments below 5.2m **Note: Many records provided by the department have a truncated [Stratum Description] field.

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27 **1 of 1** **S/197.6** **97.1 / 0.28** **ON** **BORE**

Borehole ID:	890824	**Inclin FLG:**	No
OGF ID:	215583738	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	25-NOV-1980	**Municipality:**	
Static Water Level:	0.5	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327418
Total Depth m:	3.5	**Longitude DD:**	-79.825353
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595234
Drill Method:	Hollow stem auger	**Northing:**	4797845
Orig Ground Elev m:	29.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	96.3		

Concession: BRANTS BLOCK

Location D: Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington

Survey D:

Comments:

Borehole Geology Stratum

Geology Stratum ID:	8502753	**Mat Consistency:**	
Top Depth:	3.2	**Material Moisture:**	
Bottom Depth:	3.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Shale	**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Sand & gravel (till) weathered shale **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502751	**Mat Consistency:**	Hard
Top Depth:	1	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	

Material Color:	Grey-Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:

Stratum Description: Mixture of silty clay to clayey silt and sand, trace of gravel (glacial till) hard light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502752	**Mat Consistency:**	Hard
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	3.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clayey	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502750	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Silty	**Geologic Period:**	
Material 4:	Silt	**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Fill, silty sand and clayey silt dark brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

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28 | **1 of 1** | **NW/200.8** | **99.7 / 2.87** | **ON** | **BORE**

Borehole ID:	890464	**Inclin FLG:**	No
OGF ID:	215583386	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	04-MAY-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330503
Total Depth m:	8.1	**Longitude DD:**	-79.8267
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595120
Drill Method:	Diamond Drill	**Northing:**	4798186
Orig Ground Elev m:	98	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	100		

Concession: BRANTS BLOCK

Location D: Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway

Survey D:

Comments:

Borehole Geology Stratum

Geology Stratum ID:	8501719	**Mat Consistency:**	Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	8.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	

Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Extremely stiff reddish-grey silty clay with some fine gravel. Becoming extremely stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.

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29 | ***1 of 1*** | ***WNW/203.5*** | ***103.9 / 7.02*** | ***ON*** | ***BORE***

Borehole ID:	890920	**Inclin FLG:**	No
OGF ID:	215583768	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	22-NOV-1980	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330236
Total Depth m:	6.6	**Longitude DD:**	-79.827063
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595091
Drill Method:	Solid stem auger	**Northing:**	4798156
Orig Ground Elev m:	99.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	105		

Concession: BRANTS BLOCK

Location D: geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy. 403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario

Survey D:

Comments:

Borehole Geology Stratum

Geology Stratum ID:	8503139	**Mat Consistency:**	Soft
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.4	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Silty	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Fill - silty clay, some sand and gravel, pockets of topsoil. Soft to firm reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503140	**Mat Consistency:**	Compact
Top Depth:	1.4	**Material Moisture:**	
Bottom Depth:	1.8	**Material Texture:**	Fine to Coarse
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Sand, fine to coarse, silty, some gravel, trace of clay. Compact brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503141	**Mat Consistency:**	Hard
Top Depth:	1.8	**Material Moisture:**	
Bottom Depth:	6.6	**Material Texture:**	
Material Color:	Grey-Brown	**Non Geo Mat Type:**	

Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Silty clay, some sand, trace of gravel, occ. Silt inclusions. (glacial till) hard greyish brown occ. Red weathered shale fragments below 5.2m **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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30 | ***1 of 1*** | ***SSW/210.7*** | ***98.2 / 1.37*** | ***ON*** | ***BORE***

Borehole ID:	891591	**Inclin FLG:**	No
OGF ID:	215584395	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	16-JAN-1956	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.32735
Total Depth m:	6.1	**Longitude DD:**	-79.8257
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595206
Drill Method:	Hollow stem auger	**Northing:**	4797837
Orig Ground Elev m:		**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	97.6		
Concession:	BRANTS BLOCK		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8505302	**Mat Consistency:**	Stiff
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Stiff to hard clay **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8505301	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand with some shale **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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31 | ***1 of 1*** | ***WNW/210.7*** | ***104.6 / 7.72*** | ***ON*** | ***BORE***

Borehole ID:	890463	**Inclin FLG:**	No
OGF ID:	215583385	**SP Status:**	Initial Entry

Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	02-MAY-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.33022
Total Depth m:	8.1	**Longitude DD:**	-79.827186
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595081
Drill Method:	Diamond Drill	**Northing:**	4798154
Orig Ground Elev m:	98	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	106		

Concession: BRANTS BLOCK
Location D: Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway)
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8501718	**Mat Consistency:**	Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	8.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: Extremely stiff reddish-grey silty clay with occasional occurrence of some fine gravel. Becoming very stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.

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32 | ***1 of 1*** | ***WNW/210.9*** | ***102.9 / 6.02*** | ***ON*** | ***BORE***

Borehole ID:	890467	**Inclin FLG:**	No
OGF ID:	215583389	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	11-MAY-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.329862
Total Depth m:	6.2	**Longitude DD:**	-79.82744
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595061
Drill Method:	Diamond Drill	**Northing:**	4798114
Orig Ground Elev m:	98.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	101		

Concession: BRANTS BLOCK
Location D: Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8501722	**Mat Consistency:**	Stiff
Top Depth:	0	**Material Moisture:**	

Bottom Depth:	6.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: Extremely stiff reddish grey silty clay, with occasional occurrence of some fine gravel, becoming extremely stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.

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33 | ***1 of 1*** | ***SSW/212.5*** | ***97.8 / 0.97*** | ***ON*** | ***BORE***

Borehole ID:	890819	**Inclin FLG:**	No
OGF ID:	215583733	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	21-NOV-1980	**Municipality:**	
Static Water Level:	0.5	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.327322
Total Depth m:	3.7	**Longitude DD:**	-79.825639
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595211
Drill Method:	Solid stem auger	**Northing:**	4797834
Orig Ground Elev m:	29.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	97.4		

Concession: BRANTS BLOCK

Location D: Foundation Investigation report Fairview street - Q.E.W. overpass W.P. 83-74-25 Site 10-319 District 4 Burlington

Survey D:

Comments:

Borehole Geology Stratum

Geology Stratum ID:	8502726	**Mat Consistency:**	Hard
Top Depth:	1	**Material Moisture:**	
Bottom Depth:	2.5	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:

Stratum Description: Mixture of silty clay to clayey silt and sand, trace of gravel (Glacial Till) hard light grey brown to grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502727	**Mat Consistency:**	Hard
Top Depth:	2.5	**Material Moisture:**	
Bottom Depth:	2.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clayey	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:

Stratum Description: clayey silt interbedded with clay hard grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8502728	**Mat Consistency:**	Dense
Top Depth:	2.9	**Material Moisture:**	
Bottom Depth:	3.3	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	

Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:	Till	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Sand, gravel with clay (Glacial till) Dense reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502724	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	Fill-Misc
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clayey	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Fill, sand with gravel, clayey parts. Brown to dark brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502725	**Mat Consistency:**	Compact
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	1	**Material Texture:**	Fine to Coarse
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand, bedded fine to coarse with gravel, trace of silt, compact to dense. Brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8502729	**Mat Consistency:**	
Top Depth:	3.3	**Material Moisture:**	
Bottom Depth:	3.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Shale Bedrock Weathered, sound **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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34 | ***1 of 1*** | ***W/214.2*** | ***101.1 / 4.19*** | ***ON*** | ***BORE***

Borehole ID:	890915	**Inclin FLG:**	No
OGF ID:	215583763	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	07-JAN-1981	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.329486
Total Depth m:	17.3	**Longitude DD:**	-79.82762
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595047
Drill Method:	Solid stem auger	**Northing:**	4798072
Orig Ground Elev m:	98.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	100		
Concession:	BRANTS BLOCK		
Location D:	geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy.		

403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario

Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8503124	***Mat Consistency:***	Very Dense
Top Depth:	10	***Material Moisture:***	
Bottom Depth:	13.6	***Material Texture:***	Fine to Coarse
Material Color:	Red-Brown	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Silty	***Geologic Group:***	
Material 3:	Gravel	***Geologic Period:***	
Material 4:	Till	***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	sand, fine to coarse, silty, some gravel (glacial till) very dense reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503125	***Mat Consistency:***	
Top Depth:	13.6	***Material Moisture:***	
Bottom Depth:	17.3	***Material Texture:***	
Material Color:	Red	***Non Geo Mat Type:***	
Material 1:	Shale	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Bedrock shale, red, weathered sound **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503122	***Mat Consistency:***	Compact
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.4	***Material Texture:***	Fine to Medium
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Silty	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Sand, fine to medium, silty, trace of clay. Compact brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503123	***Mat Consistency:***	Hard
Top Depth:	1.4	***Material Moisture:***	
Bottom Depth:	10	***Material Texture:***	
Material Color:	Brown-Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silty	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:	Gravel	***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	Silty clay, some sand, trace of gravel, occ. Silt inclusions. (glacial till) hard, brown-greyish-brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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35 ***1 of 1*** ***WNW/221.4*** ***103.6 / 6.76*** ***ON*** ***BORE***

Borehole ID:	890462	***Inclin FLG:***	No
OGF ID:	215583384	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	29-APR-1955	***Municipality:***	

Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330043
Total Depth m:	7.3	**Longitude DD:**	-79.827473
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595058
Drill Method:	Diamond Drill	**Northing:**	4798134
Orig Ground Elev m:	98.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	103		

Concession: BRANTS BLOCK
Location D: Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8501717	**Mat Consistency:**	Very Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	7.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: Very stiff reddish-grey silty clay with occasional occurrence of some fine gravel. Becoming extremely stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.

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36 ***1 of 1*** ***NW/221.7*** ***99.6 / 2.71*** ***ON*** ***BORE***

Borehole ID:	890919	**Inclin FLG:**	No
OGF ID:	215583767	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	08-JAN-1981	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.330693
Total Depth m:	15.4	**Longitude DD:**	-79.826795
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595112
Drill Method:	Solid stem auger	**Northing:**	4798207
Orig Ground Elev m:	98.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	100		

Concession: BRANTS BLOCK
Location D: geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy. 403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8503136	**Mat Consistency:**	Hard
Top Depth:	1.3	**Material Moisture:**	
Bottom Depth:	8.2	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	

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

Material 2:	Silty	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Silty clay, some sand, trace of gravel, occ. Silt inclusions. (glacial till) hard. Brown-greyish-brown **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503138	**Mat Consistency:**	
Top Depth:	11.6	**Material Moisture:**	
Bottom Depth:	15.4	**Material Texture:**	
Material Color:	Red	**Non Geo Mat Type:**	
Material 1:	Shale	**Geologic Formation:**	
Material 2:	Bedrock	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Bedrock shale weathered, sound, red **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503137	**Mat Consistency:**	Very Dense
Top Depth:	8.2	**Material Moisture:**	Wet
Bottom Depth:	11.6	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sandy	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	cobble	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	sandy silt, some gravel, occ. Cobble, trace of clay (glacial till) very dense, reddish-brown occasional wet sand seams **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8503135	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Topsoil **Note: Many records provided by the department have a truncated [Stratum Description] field.		

37	1 of 1	SW/227.2	100.4 / 3.50	ON	BORE

Borehole ID:	626216	**Inclin FLG:**	No
OGF ID:	215526665	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	DEC-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	43.327454
Total Depth m:	-999	**Longitude DD:**	-79.826518
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595140
Drill Method:	Diamond Drill	**Northing:**	4797848
Orig Ground Elev m:	96.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	102		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218439212	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218439213	***Mat Consistency:***	Soft
Top Depth:	3	***Material Moisture:***	
Bottom Depth:	7.3	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Stones	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,STONES. GREY,VERY SOFT.		

Geology Stratum ID:	218439214	***Mat Consistency:***	Firm
Top Depth:	7.3	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,FIRM.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	H	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: HAM.txt RecordID: 052170 NTS_Sheet: 30M05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

38	***1 of 1***	***WNW/232.8***	***101.1 / 4.23***	***ON***	***BORE***

Borehole ID:	890461	***Inclin FLG:***	No
OGF ID:	215583383	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No

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

Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	27-APR-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.329946
Total Depth m:	7.8	**Longitude DD:**	-79.827685
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595041
Drill Method:	Diamond Drill	**Northing:**	4798123
Orig Ground Elev m:	98	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	100		

Concession: BRANTS BLOCK
Location D: Foundation Investigation highway bridge west of Burlington, Ontario, crossing C.N.R., (Being the Burlington connection - Q.E.W. and freeman to Wolfe island highway
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8501716	**Mat Consistency:**	Very Stiff
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	7.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Fine Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: Very stiff reddish-grey silty clay with occasional occurrence of some fine gravel. Becoming extremely stiff **Note: Many records provided by the department have a truncated [Stratum Description] field.

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39 **1 of 1** **WNW/233.0** **101.1 / 4.23** **ON** **BORE**

Borehole ID:	890921	**Inclin FLG:**	No
OGF ID:	215583769	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	20-NOV-1980	**Municipality:**	
Static Water Level:	5.2	**Lot:**	
Primary Water Use:		**Township:**	NELSON
Sec. Water Use:		**Latitude DD:**	43.329973
Total Depth m:	11.1	**Longitude DD:**	-79.827672
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595042
Drill Method:	Solid stem auger	**Northing:**	4798126
Orig Ground Elev m:	98.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	100		

Concession: BRANTS BLOCK
Location D: geotechnical investigation C.N.R. overhead at Q.E.W. site 10-135A, W.P. 83-74-26R C.N.R. overhead at hwy. 403W-fairview street ramp site 10-135B, W.P. 83-74-27R Rambo-hager creek culvert extension site 10, W.P. 83-74-24 district 4. Burlington, Ontario
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8503142	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	

Bottom Depth:	3	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Silty	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: Fill - mixed silty clay, sand & gravel some organics. Br. And reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503145	**Mat Consistency:**	Very Stiff
Top Depth:	8.4	**Material Moisture:**	
Bottom Depth:	10.2	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: Silty clay, some sand, trace of gravel, occ. Silty inclusions. (glacial till) very stiff to hard brown - greyish-brown. Occasional red weathered shale fragments below 3.66m **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503146	**Mat Consistency:**	Dense
Top Depth:	10.2	**Material Moisture:**	
Bottom Depth:	11.1	**Material Texture:**	
Material Color:	Red-Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Sand	**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: sand, fine to coarse silty, some gravel with coarse sand seams. (glacial till) dense reddish brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503143	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	5.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: Topsoil **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8503144	**Mat Consistency:**	Loose
Top Depth:	5.1	**Material Moisture:**	
Bottom Depth:	8.4	**Material Texture:**	Fine
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silty	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: Silty fine sand, trace of gravel. Loose to compact brown **Note: Many records provided by the department have a truncated [Stratum Description] field.

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40 **1 of 1** **SSW/233.3** **99.7 / 2.85** **ON** **BORE**

Borehole ID:	626214	**Inclin FLG:**	No
OGF ID:	215526663	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No

Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	DEC-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	43.327271
Total Depth m:	-999	**Longitude DD:**	-79.826213
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595165
Drill Method:	Diamond Drill	**Northing:**	4797828
Orig Ground Elev m:	96.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	99.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218439205	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,SHALE.		

Geology Stratum ID:	218439206	**Mat Consistency:**	Soft
Top Depth:	4	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. VERY SOFT. WATER STABLE AT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: HAM.txt RecordID: 052150 NTS_Sheet: 30M05C		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	WNW/234.1	104.8 / 7.97	ON	BORE

Borehole ID: 891301
OGF ID: 215584109
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 26-NOV-1992
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 12.2
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Solid stem auger
Orig Ground Elev m: 110
Elev Reliabil Note:
DEM Ground Elev m: 106
Concession: BRANTS BLOCK
Location D: Foundation Investigation Report For HML Poles and Overhead Signs HWY 403/Q.E.W., WP 199-77-06A District 4, Burlington
Survey D:
Comments: WP 199-77-06A

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township: NELSON
Latitude DD: 43.330437
Longitude DD: -79.82733
UTM Zone: 17
Easting: 595069
Northing: 4798178
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 8504447
Top Depth: 0
Bottom Depth: 7.6
Material Color: Brown
Material 1: Silt
Material 2: Clayey
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: Heterogeneous mixture of clayey silt, sand and gravel (Glacial Till) very stiff Brown. Grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 8504448
Top Depth: 7.6
Bottom Depth: 10.7
Material Color: Red
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: Heterogeneous mixture of silt, sand and gravel (Glacial Till) Greyish Red, Very dense **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 8504449
Top Depth: 10.7
Bottom Depth: 12.2
Material Color: Red
Material 1: Bedrock
Material 2: Shale
Material 3: Siltstone
Material 4:
Gsc Material Description:
Stratum Description: Weathered, unweathered. Shale Bedrock With interbedded siltstone. Weak to Very Weak, Greyish Red with greenish grey **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	1 of 1	WNW/237.8	104.3 / 7.42		BORE

Borehole ID:	622673	**Inclin FLG:**	No
OGF ID:	215523127	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	FEB-1967	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	43.330301
Total Depth m:	9.3	**Longitude DD:**	-79.827511
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	595055
Drill Method:	Power auger	**Northing:**	4798163
Orig Ground Elev m:	100	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	105		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218426638	**Mat Consistency:**	Dense
Top Depth:	3.4	**Material Moisture:**	
Bottom Depth:	7.3	**Material Texture:**	
Material Color:	Green	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SILT,SAND,CLAY. GREEN,VERY DENSE,GRANULAR, AGE GLACIAL.		

Geology Stratum ID:	218426636	**Mat Consistency:**	Hard
Top Depth:	1.4	**Material Moisture:**	
Bottom Depth:	1.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SILT,SAND,CLAY. BROWN,HARD,GRANULAR, AGE GLACIAL.		

Geology Stratum ID:	218426637	**Mat Consistency:**	Soft
Top Depth:	1.7	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SILT,CLAY,SAND. BROWN,VERY SOFT,UNIFORM, AGE GLACIAL.		

Geology Stratum ID:	218426635	**Mat Consistency:**	Dense
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.4	**Material Texture:**	Medium
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	

Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SAND-MEDIUM,SILT. BROWN,DENSE,GRANULAR, AGE GLACIAL.		

Geology Stratum ID:	218426639	**Mat Consistency:**	Dense
Top Depth:	7.3	**Material Moisture:**	
Bottom Depth:	9.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	SILT,SAND,GRAVEL. VERY DENSE,MIXED,AGE GLACIAL. 016 022 015 0004505 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: HAM.txt RecordID: 016730 NTS_Sheet: 30M05C		
Confiden 1:	Reliable information but incomplete.		

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
43	1 of 1	SSW/238.9	96.2 / -0.65	TRANSPORT TRUCK QEW S/B, JUST SOUTH OF PLAINS ROAD MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SPL

Ref No:	155187	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	5/1/1998	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	14101
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	OPP,MTO
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	5/1/1998	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	ERROR	**Source Type:**	
Site Name:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	VERSPEEDEN CARTAGE:500 L DIESEL TO ROAD FROM T.T.,CONTAINED.				
Contaminant Qty:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	1 of 6	ENE/249.5	95.8 / -1.01	TAYLOR MOVING & STORAGE LTD 1200 PLAINS RD E BURLINGTON ON L7S 1W6	PRT

Location ID:	2476
Type:	private
Expiry Date:	
Capacity (L):	13638.00
Licence #:	0001037915

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	2 of 6	ENE/249.5	95.8 / -1.01	1200 Plains Rd. E Burlington ON L7S 1W6	EHS

Order No:	20060208001	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Basic Report	**Client Prov/State:**	ON
Report Date:	2/16/2006	**Search Radius (km):**	0.25
Date Received:	2/8/2006	**X:**	-79.823328
Previous Site Name:		**Y:**	43.330944
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	3 of 6	ENE/249.5	95.8 / -1.01	TAYLOR MOVING & STORAGE LTD 1200 PLAINS RD E BURLINGTON ON	EXP

Instance No:	9342851
Instance ID:	385170
Instance Type:	FS Facility
Description:	Fuels Safety Private Fuel Outlet - Self Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	4 of 6	ENE/249.5	95.8 / -1.01	TAYLOR MOVING & STORAGE LTD 1200 PLAINS RD E BURLINGTON ON L7S 1W6	EXP

Instance No:	10634135
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	11/29/1990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	5 of 6	ENE/249.5	95.8 / -1.01	TAYLOR MOVING & STORAGE LTD 1200 PLAINS RD E	EXP

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

Instance No: 10634161
Instance ID: 31466
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	6 of 6	ENE/249.5	95.8 / -1.01	**TAYLOR MOVING & STORAGE LTD** **1200 PLAINS RD E** **BURLINGTON ON L7S 1W6**	EXP

Instance No: 10634135
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/29/1990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	1 of 14	W/249.5	99.8 / 2.99	**IKEA CANADA LTD. PARTNERSHIP** **1065 PLAINS ROAD EAST** **BURLINGTON ON L7T 4K1**	GEN

Generator No: ON0161601
Status:
Approval Years: 94,95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 6212
SIC Description: HH. FURN.(WO. APPL.)

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

Detail(s)

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	2 of 14	W/249.5	99.8 / 2.99	**IKEA CANADA LTD. PARTNERSHIP** **1065 Plains Rd East** **Burlington ON L7T 4K1**	GEN

Generator No: ON0161601
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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45 | **3 of 14** | **W/249.5** | **99.8 / 2.99** | **1065 Plains Rd E, Burlington ON L7T 4K1** | **SPL**

Ref No: 6506-6ZUM43
Site No:
Incident Dt:
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/1/2007
Dt Document Closed: 4/3/2007
Incident Reason: Negligence (Apparent) - Caused by lack of diligence
Site Name: IKEA - Burlington Location
Site County/District:
Site Geo Ref Meth:
Incident Summary: IKEA: gas from customer car spilling to parking lot.
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group: Oil
Health/Env Conseq:
Client Type:
Sector Type: Other Motor Vehicle
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Burlington
Site Lot:
Site Conc:
Northing: NA
Easting: NA
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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45 | **4 of 14** | **W/249.5** | **99.8 / 2.99** | **IKEA CANADA LTD. PARTNERSHIP, 1065 Plains Rd East, Burlington ON L7T 4K1** | **GEN**

Generator No: ON0161601
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 442298
SIC Description: All Other Home Furnishings Stores

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

Detail(s)

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

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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45 | **5 of 14** | **W/249.5** | **99.8 / 2.99** | **IKEA CANADA LTD. PARTNERSHIP**
1065 Plains Rd East
Burlington ON L7T 4K1 | **GEN**

Generator No: ON0161601
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 442298
SIC Description: All Other Home Furnishings Stores

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

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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45 | ***6 of 14*** | ***W/249.5*** | ***99.8 / 2.99*** | ***IKEA CANADA LTD. PARTNERSHIP***
1065 Plains Rd East
Burlington ON L7T 4K1 | ***GEN***

Generator No: ON0161601
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 442298
SIC Description: All Other Home Furnishings Stores

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

Detail(s)

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

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45 | ***7 of 14*** | ***W/249.5*** | ***99.8 / 2.99*** | ***IKEA CANADA LTD. PARTNERSHIP***
1065 Plains Rd East | ***GEN***

Burlington ON L7T 4K1

Generator No:	ON0161601	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2012	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	442298		
SIC Description:	All Other Home Furnishings Stores		

Detail(s)

Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	265
Waste Class Desc:	GRAPHIC ART WASTES
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

45	***8 of 14***	***W/249.5***	***99.8 / 2.99***	***IKEA CANADA LTD. PARTNERSHIP*** ***1065 Plains Rd East*** ***Burlington ON***	***GEN***

Generator No:	ON0161601	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2013	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	442298		
SIC Description:	ALL OTHER HOME FURNISHINGS STORES		

Detail(s)

Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

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

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

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45 | **9 of 14** | **W/249.5** | **99.8 / 2.99** | **1065 Plains Rd E**
Burlington ON L7T4K1 | **EHS**

Order No: 20160912084
Status: C
Report Type: Custom Report
Report Date: 16-SEP-16
Date Received: 12-SEP-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Topographic Maps

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.828784
Y: 43.327408

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45 | **10 of 14** | **W/249.5** | **99.8 / 2.99** | **IKEA CANADA LTD. PARTNERSHIP**
1065 Plains Rd East
Burlington ON L7T 4K1 | **GEN**

Generator No: ON0161601
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 442298
SIC Description: ALL OTHER HOME FURNISHINGS STORES

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Nicole Blake
Phone No Admin: 905-681-5531 Ext.2330

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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45 | ***11 of 14*** | ***W/249.5*** | ***99.8 / 2.99*** | ***IKEA CANADA LTD. PARTNERSHIP***
1065 Plains Rd East
Burlington ON L7T 4K1 | ***GEN***

Generator No:	ON0161601	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2015	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	Gurkan Kiziltan
MHSW Facility:	No	***Phone No Admin:***	905-681-5531 Ext.2330
SIC Code:	442298		
SIC Description:	ALL OTHER HOME FURNISHINGS STORES		

Detail(s)

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

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

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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45 **12 of 14** **W/249.5** **99.8 / 2.99** **IKEA CANADA LTD. PARTNERSHIP**
1065 Plains Rd East
Burlington ON L7T 4K1 **GEN**

Generator No: ON0161601
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 442298
SIC Description: ALL OTHER HOME FURNISHINGS STORES

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Eric Zammit
Phone No Admin: 905-681-5531 Ext.2330

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

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45 **13 of 14** **W/249.5** **99.8 / 2.99** **IKEA CANADA LTD. PARTNERSHIP IKEA Burlington**
1065 Plains Rd East
Burlington ON L7T 4K1 **GEN**

Generator No: ON0161601
Status: Registered

PO Box No:
Country: Canada

Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

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

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

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

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

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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

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45 | ***14 of 14*** | ***W/249.5*** | ***99.8 / 2.99*** | ***IKEA CANADA LTD. PARTNERSHIP IKEA Burlington***
1065 Plains Rd East
Burlington ON L7T 4K1 | ***GEN***

Generator No: ON0161601
Status: Registered
Approval Years: As of Apr 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

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

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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

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

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

Waste Class: 121 C

Waste Class Desc: Alkaline slutions - containing heavy metals

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

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

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46 | ***1 of 1*** | ***NNE/249.9*** | ***96.8 / -0.01*** | ***Nalco Canada Co.***
1197 Plains Rd. East
Burlington ON L7S 2K2 | ***GEN***

Generator No: ON9190868
Status:
Approval Years: 05
Contam. Facility:
MHSW Facility:
SIC Code: 325999
SIC Description: All Other Miscellaneous Chemical Product Manufacturing

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

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 233
Waste Class Desc: OTHER POLYMERIC WASTES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Unplottable Summary

Total: 29 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF HALTON SHELDON COURT	FAIRVIEW ST.	BURLINGTON CITY ON	
CA	SAMPURAN ENTERPRISES LTD.	PLAINS RD. EAST KINGS LANDING	BURLINGTON CITY ON	
CA	CMH EQUITIES INC.	FAIRVIEW ST.	BURLINGTON CITY ON	
CA	CMH EQUITIES INC.	FAIRVIEW ST.	BURLINGTON CITY ON	
CA	SAMPURAN ENTERPRISES LTD.	PLAINS RD. EAST KINGS LANDING	BURLINGTON CITY ON	
CA	ROSART PROPERTIES INC.	MAPLE AVE.	BURLINGTON ON	
CA	BURLINGTON CITY BELLVIEW ST.	MAPLE AVE.	BURLINGTON CITY ON	
CA	CITY	FAIRVIEW ST.	BURLINGTON ON	
CA	BURLINGTON CITY	PLAINS RD. EAST	BURLINGTON CITY ON	
CA	R.M. OF HALTON	S. OF Q.E.W. EASTBOUND	BURLINGTON CITY ON	
CA	R.M. OF HALTON SHELDON COURT EXTENSION	FAIRVIEW ST.	BURLINGTON CITY ON	
CA	IMPERIAL CITY CORP.	PLAINS RD. E.	BURLINGTON CITY ON	
CA	CASADOR CONSTRUCTION LTD.	MAPLE AVE./MAPLE EST. SUBD.	BURLINGTON CITY ON	
CA	FORTINO'S SUPERMARKET LTD.	PLAINS ROAD EAST	BURLINGTON CITY ON	
CA	REG. MUN. OF HALTON	FAIRVIEW ST.	BURLINGTON ON	
CA	ROSART PROPERTIES INC.	ROSART RESTAURANT MAPLE AVE.	BURLINGTON CITY ON	
GEN	CANADIAN NATIONAL RAILWAY	VARIOUS SITES WITHIN THE MOEE CENTRAL REGION	(SEE SCHEDULE "B") ON	
GEN	CANADIAN NATIONAL RAILWAY	VARIOUS SITES WITHIN THE MOEE CENTRAL REGION	(SEE SCHEDULE "B") ON	

SPL	TRANSPORT TRUCK	QEW EAST BOUND MOTOR VEHICLE (OPERATING FLUID)	OAKVILLE TOWN ON
SPL	CANADIAN NATIONAL RAILWAY	16 MILE CREEK STORAGE TANKS	OAKVILLE TOWN ON
SPL	CONSTRUCTION SITE	DEVELOPMENT SITE AT THE N.W. CORNER OF PLAINS RD. & JOB'S LANE,OPPOSITE FRANCIS (N.O.S.)	BURLINGTON CITY ON
SPL	TRANSPORT TRUCK	PLAINS ROAD NEAR 403/401. MOTOR VEHICLE (OPERATING FLUID)	BURLINGTON CITY ON
SPL	CANADIAN NATIONAL RAILWAY	CNR YARD. TRAIN	OAKVILLE TOWN ON
SPL	Canadian National Railways	mile marker 31.5	Oakville ON
SPL	Canadian National Railway Company	MILEAGE 34.6, OAKVILLE SUB., TRACK KA33, JUST NORTH HWY. 403<UNOFFICIAL>	Burlington ON
SPL		Fairview St. LONGO'S<UNOFFICIAL>	Burlington ON
SPL	Dedicated Logistics Inc<UNOFFICIAL>	QEW	Burlington ON
SPL		Plains Road, near QEW Niagara & Plains Rd	Burlington ON
SPL	AC Transport (1531327 Ontario Ltd.)<UNOFFICIAL>	QEW Eastbound between Winston Churchill and Southdown Road	Oakville ON

Unplottable Report

Site: ***R.M. OF HALTON SHELDON COURT***
FAIRVIEW ST. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-0330-89-
Application Year:	89
Issue Date:	3/10/1989
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***SAMPURAN ENTERPRISES LTD.***
PLAINS RD. EAST KINGS LANDING BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-2066-87-
Application Year:	87
Issue Date:	11/20/1987
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CMH EQUITIES INC.***
FAIRVIEW ST. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-1326-87-
Application Year:	87
Issue Date:	8/4/1987
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CMH EQUITIES INC.***
FAIRVIEW ST. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	7-1101-87-
Application Year:	87

Issue Date: 7/23/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SAMPURAN ENTERPRISES LTD.***
PLAINS RD. EAST KINGS LANDING BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1744-87-
Application Year: 87
Issue Date: 11/20/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***ROSART PROPERTIES INC.***
MAPLE AVE. BURLINGTON ON

Database: ***CA***

Certificate #: 7-0655-85-006
Application Year: 85
Issue Date: 8/6/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BURLINGTON CITY BELLVIEW ST.***
MAPLE AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-0408-89-
Application Year: 89
Issue Date: 3/22/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CITY***
FAIRVIEW ST. BURLINGTON ON

Database: ***CA***

Certificate #: 3-0154-85-006
Application Year: 85
Issue Date: 3/21/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BURLINGTON CITY***
PLAINS RD. EAST BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-1430-92-
Application Year: 92
Issue Date: 11/2/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF HALTON***
S. OF Q.E.W. EASTBOUND BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0564-86-
Application Year: 86
Issue Date: 6/6/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF HALTON SHELDON COURT EXTENSION***
FAIRVIEW ST. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0291-89-
Application Year: 89
Issue Date: 3/10/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ***IMPERIAL CITY CORP.***
PLAINS RD. E. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1379-89-
Application Year: 89
Issue Date: 8/14/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CASADOR CONSTRUCTION LTD.***
MAPLE AVE./MAPLE EST. SUBD. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0464-93-
Application Year: 93
Issue Date: 6/25/1993
Approval Type: Municipal water
Status: Revised
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***FORTINO'S SUPERMARKET LTD.***
PLAINS ROAD EAST BURLINGTON CITY ON

Database: ***CA***

Certificate #: 8-3222-96-
Application Year: 96
Issue Date: 5/7/1996
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: COMMERCIAL KITCHEN EXHAUST HOOD
Contaminants: Odour/Fumes
Emission Control: No Controls

Site: ***REG. MUN. OF HALTON***
FAIRVIEW ST. BURLINGTON ON

Database: ***CA***

Certificate #: 7-0151-85-006
Application Year: 85
Issue Date: 3/25/85
Approval Type: Municipal water
Status: Approved
Application Type:

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

Site: ***ROSART PROPERTIES INC.***
ROSART RESTAURANT MAPLE AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1453-87-
Application Year: 87
Issue Date: 9/23/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CANADIAN NATIONAL RAILWAY***
VARIOUS SITES WITHIN THE MOEE CENTRAL REGION (SEE SCHEDULE "B") ON

Database: ***GEN***

Generator No: ONR000703
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 482113
SIC Description: MAINLINE FREIGHT RAIL TRANSPORTATION

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

Detail(s)

Waste Class: 243
Waste Class Desc: PCBS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 113
Waste Class Desc: ACID WASTE - OTHER METALS

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

Waste Class: 221
Waste Class Desc: LIGHT FUELS

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

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 266

Waste Class Desc:	PHENOLIC WASTES
Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	135
Waste Class Desc:	REACTIVE ANION WASTES
Waste Class:	268
Waste Class Desc:	AMINES
Waste Class:	232
Waste Class Desc:	POLYMERIC RESINS
Waste Class:	241
Waste Class Desc:	HALOGENATED SOLVENTS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	254
Waste Class Desc:	TRANSFER STATION OILS WASTES
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	270
Waste Class Desc:	OTHER SPECIFIED ORGANICS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	114
Waste Class Desc:	OTHER INORGANIC ACID WASTES
Waste Class:	222
Waste Class Desc:	HEAVY FUELS
Waste Class:	231
Waste Class Desc:	LATEX WASTES
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

Site: ***CANADIAN NATIONAL RAILWAY***
VARIOUS SITES WITHIN THE MOEE CENTRAL REGION (SEE SCHEDULE "B") ON

Database: ***GEN***

Generator No:	ONR000703	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2012	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	

MHSW Facility: ***Phone No Admin:***
SIC Code: 482113
SIC Description: Mainline Freight Rail Transportation

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 243
Waste Class Desc: PCBS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 270
Waste Class Desc: OTHER SPECIFIED ORGANICS

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 231
Waste Class Desc: LATEX WASTES

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 266
Waste Class Desc: PHENOLIC WASTES

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class:	268
Waste Class Desc:	AMINES
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	135
Waste Class Desc:	REACTIVE ANION WASTES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	254
Waste Class Desc:	TRANSFER STATION OILS WASTES

Site: ***TRANSPORT TRUCK***
QEW EAST BOUND MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON

Database: ***SPL***

Ref No:	48495	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/15/1991	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	14403
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	F.D. AND M.O.T.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/15/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: BACKENTRY-UNKNOWN TRUCK- 90 LITRES DIESEL FUEL TO ROADWAY,CLEANED-UP BY MOT
Contaminant Qty:

Site: ***CANADIAN NATIONAL RAILWAY***
16 MILE CREEK STORAGE TANKS OAKVILLE TOWN ON

Database: ***SPL***

Ref No:	102740	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/14/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CAUSE (N.O.S.)	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	

Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	14403
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	HALTON WORKS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/14/1994	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	FIRE/EXPLOSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	C.N.RAIL-UKN QTY CREOSOTETO 16 MILE CREEK,FIRE INVOLVING RAIL TIES,REG.		
Contaminant Qty:			

Site: ***CONSTRUCTION SITE***
DEVELOPMENT SITE AT THE N.W. CORNER OF PLAINS RD. & JOB'S LANE,OPPOSITE FRANCIS (N.O.S.)
BURLINGTON CITY ON

Database: ***SPL***

Ref No:	41775	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	10/5/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	14101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	HALTON REGION, BURLINGTON F.D.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/5/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CARDEEN CONSTRUCTION - 20 L OF DIESEL FUEL TO GROUND FROM GENERATOR.		
Contaminant Qty:			

Site: ***TRANSPORT TRUCK***
PLAINS ROAD NEAR 403/401. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON

Database: ***SPL***

Ref No:	80602	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	1/5/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	TRUCK/TRAILER OVERTURN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	14101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	

MOE Reported Dt:	1/5/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	FREDERICK TRANSPORT-UNKN QTY DIESEL FUEL TO ROAD DUE TO TRUCK OVERTURN.		
Contaminant Qty:			

Site: ***CANADIAN NATIONAL RAILWAY***
CNR YARD. TRAIN OAKVILLE TOWN ON

Database: ***SPL***

Ref No:	147257	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	10/1/1997	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	14403
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	HALTON REG.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/1/1997	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CANADIAN NATIONAL RAILWAY-DIESEL SPRAYED ON TRACKSUNION STATION-OAKVILLE.		
Contaminant Qty:			

Site: ***Canadian National Railways***
mile marker 31.5 Oakville ON

Database: ***SPL***

Ref No:	0201-82W3S6	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/21/2010	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	CN Oakville Sub<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CN Oakville Sub: oil to ballast on tracks		
Contaminant Qty:	15 L		

Site: ***Canadian National Railway Company***
MILEAGE 34.6, OAKVILLE SUB., TRACK KA33, JUST NORTH HWY. 403<UNOFFICIAL> Burlington ON

Database: ***SPL***

Ref No:	4376-6563ZX	***Discharger Report:***	
Site No:		***Material Group:***	Chemical
Incident Dt:	9/24/2004	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	24	***Nearest Watercourse:***	
Contaminant Name:	ETHANOL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:		***Site Municipality:***	Burlington
Nature of Impact:		***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/24/2004	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	

Site Name: MILEAGE 34.6, OAKVILLE SUB., TRACK KA33, JUST NORTH HWY. 403<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: CN Rail - ethanol to ground from rail car.
Contaminant Qty:

Site:
Fairview St. LONGO'S<UNOFFICIAL> Burlington ON

Database: ***SPL***

Ref No:	1481-6UK77E	***Discharger Report:***	
Site No:		***Material Group:***	Gases/Particulates
Incident Dt:	10/10/2006	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge or Emission to Air	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:	38	***Nearest Watercourse:***	
Contaminant Name:	FREON (CFC)	***Site Address:***	FAIRVIEW ST.
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Burlington
Nature of Impact:	Air Pollution	***Site Lot:***	
Receiving Medium:	Air	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/14/2006	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Other - Reason not otherwise defined	***Source Type:***	

Site Name: FAIRVIEW ST.
Site County/District:
Site Geo Ref Meth:
Incident Summary: Longo's Burlington 181.6 kg of Freon to atm
Contaminant Qty: 181.6 kg

Site: ***Dedicated Logistics Inc<UNOFFICIAL>***
QEW Burlington ON

Database: ***SPL***

Ref No:	0815-7V4ESG	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	

Incident Cause:	Other Transport Accident	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL AND WATER MIXTURE	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Burlington
Nature of Impact:	Other Impact(s); Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Deferred Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/20/2009	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Highway Spills (usually highway accidents)
Incident Reason:	Spill	***Source Type:***	
Site Name:	QEW, Burlington Skyway <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	QEW Skyway TT accident		
Contaminant Qty:	0 other - see incident description		

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

Plains Road, near QEW Niagara & Plains Rd Burlington ON

Ref No:	6643-7RQNSZ	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	REFRIGERANT GAS, N.O.S.	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Burlington
Nature of Impact:	Air Pollution; Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/4/2009	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	Fortino's <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Fortino's: 681kg of R507 released to atm		
Contaminant Qty:	681 kg		

Site: ***AC Transport (1531327 Ontario Ltd.)<UNOFFICIAL>*** ***Database:*** ***SPL***

QEW Eastbound between Winston Churchill and Southdown Road Oakville ON

Ref No:	7724-8RAMAC	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	08-FEB-12	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	QEW Eastbound between Winston Churchill and Southdown Road
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Oakville

Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:	Sewage - Municipal/Private and Commercial	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Priority Field Response	***Easting:***	
Dt MOE Arvl on Scn:	08-FEB-12	***Site Geo Ref Accu:***	
MOE Reported Dt:	08-FEB-12	***Site Map Datum:***	
Dt Document Closed:	28-MAY-12	***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	QEW Eastbound<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	AC Transport: 70L diesel to roadway, clnd		
Contaminant Qty:			

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Jan 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Jun 2020

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Dec 2019

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, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

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-Jul 31, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jul 31, 2020

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Jul 31, 2020

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Apr 30, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

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

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. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Apr 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Apr 30, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-May 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2019

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, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Jul 31, 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-May 2020

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-Jan 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-JuL 31, 2020

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

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 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: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

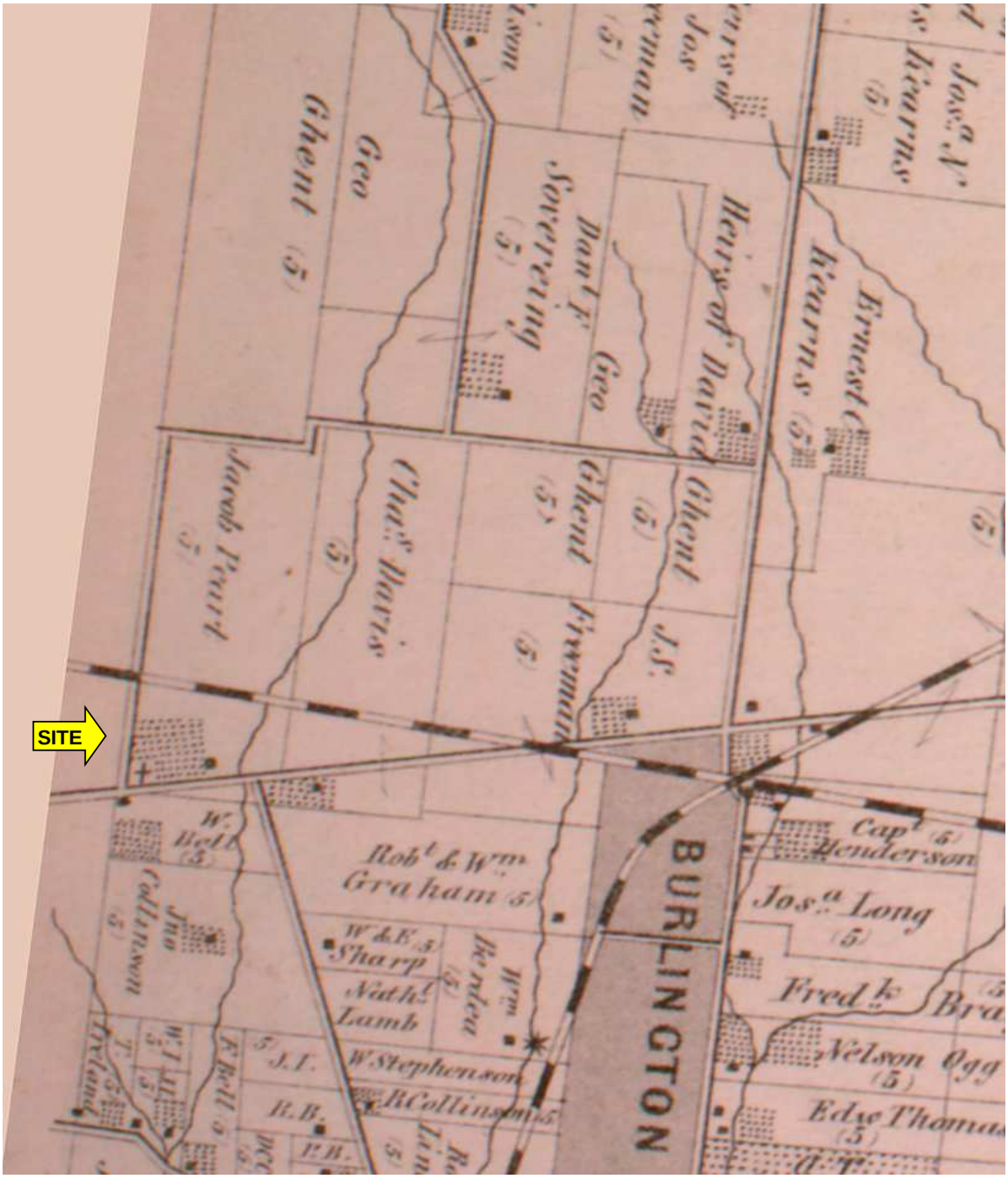
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number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

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

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

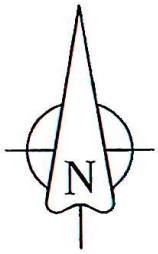
APPENDIX B

Mapping and Aerial Photographs



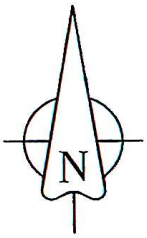
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Project No.	20257A	





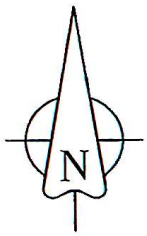
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Title:	Aerial Photograph - 1934	
Project No.	20257A	





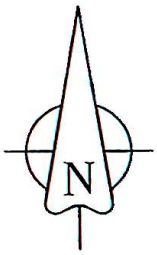
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Title:	Aerial Photograph - 1950	
Project No.	20257A	





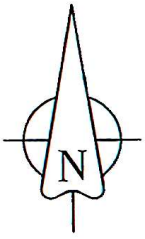
ANDTEK LIMITED		
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Title:	Aerial Photograph - 1965	
Project No.	20257A	





ANDTEK LIMITED		
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Project No.	20257A	

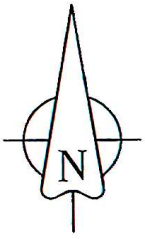




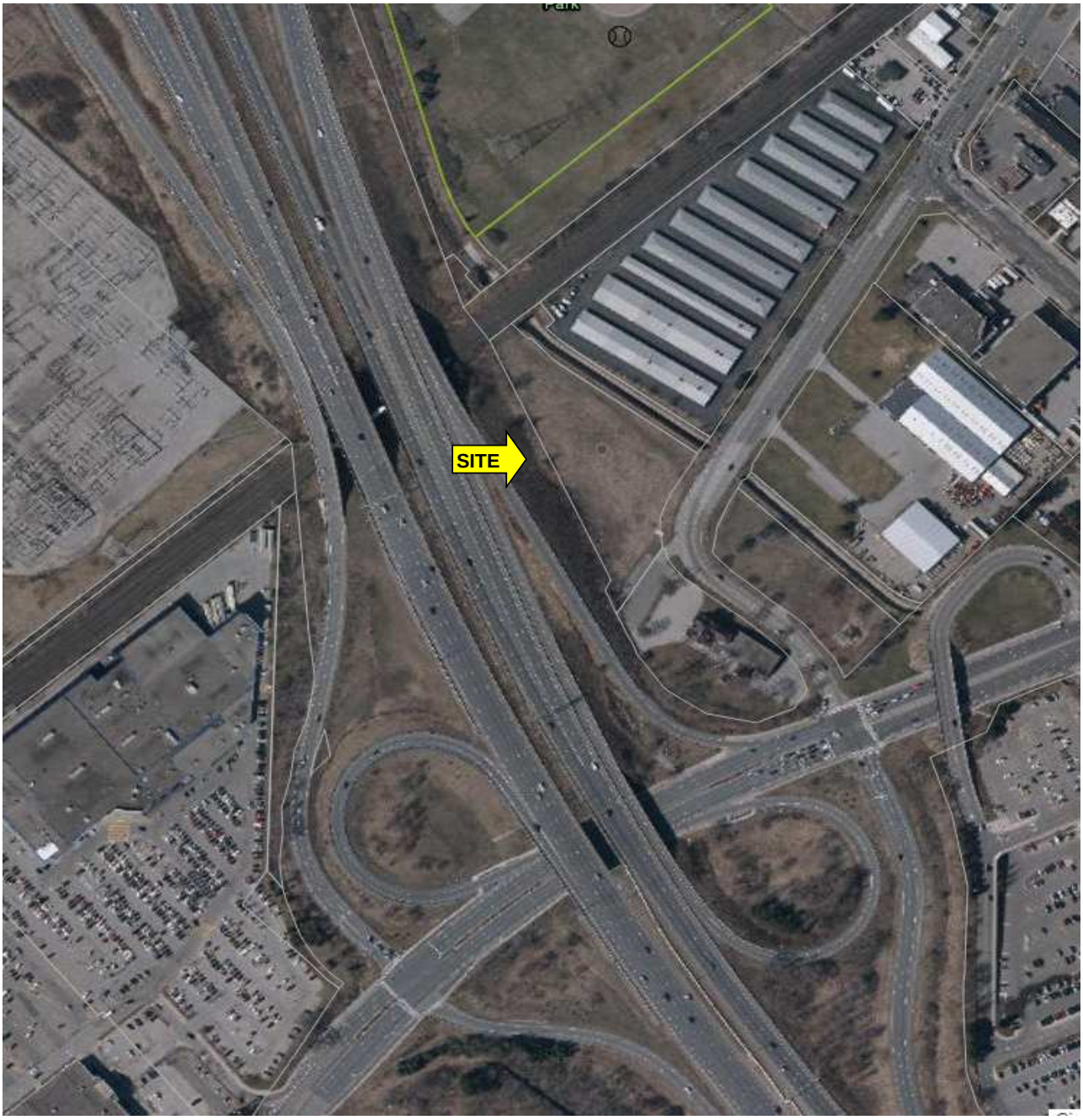
ANDTEK LIMITED

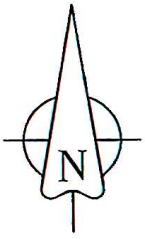
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Project No.	20257A	





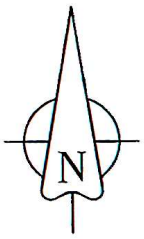
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Title:	Aerial Photograph - 2007	
Project No.	20257A	





ANDTEK LIMITED		
Scale:	NTS	Date:September 2020
Project:	Phase One ESA 1167 Plains Road East Burlington, Ontario	
Title:	Aerial Photograph - 2015	
Project No.	20257A	





ANDTEK LIMITED		
Scale:	NTS	Date:September 2020
Project:	Phase One ESA 1167 Plains Road East Burlington, Ontario	
Title:	Aerial Photograph - 2019	
Project No.	20257A	

APPENDIX C

Photographs of Typical Site Conditions