



193 Nautical Boulevard, Oakville

Final

Phase I Environmental Site Assessment

Project Location:

193 Nautical Boulevard, Oakville, ON

Prepared for:

Halton District School Board
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Executive Summary

MTE Consultants Inc. (MTE) was retained by The Halton District School Board to conduct a Phase I Environmental Site Assessment (ESA) for the property located at proposed municipal address 193 Nautical Boulevard (Block 220, Plan 20M840, formerly Part of Lot 33 & 34, Concession 4) in Oakville, Ontario (the "Site"). The Phase I ESA was completed for due diligence purposes in advance of a potential property transaction and future redevelopment.

Site Description and History

The Site is approximately 2.26 hectares (5.58 acres) in area and is located on the south side of Nautical Boulevard, between Allison Crescent and Innville Crescent in Oakville, ON. The Site is an approximately rectangular shaped parcel and is currently vacant land.

The Site has been occupied by agricultural fields since prior to 1954. By 1985, the fields were being revegetated with a woodlot. In 2002, the Site was graded and occupied by bare ground covered in preparation for the residential development of surrounding properties to the north, east and west. Between 2006 and 2012, the Site was used as a construction staging area for the surrounding residential development. This included large quantities of soil stockpiling within the north and central portions of the Site; construction trailers, equipment and supplies storage within the northeast corner of the Site; and an additional small storage pile within the central portion of the north property boundary. In 2012, the Site was re-graded and has remained as such until the present day.

Phase I ESA Results

The results of the Phase I ESA identified the following potential environmental concerns at the Site:

- Between 2006 and 2012, the Site was used as a construction staging area for the surrounding residential development. This included large quantities of soil stockpiling activities; and construction trailers, equipment and supplies storage.
- Fill material of unknown quality may have been imported to the Site between prior to 2001 and 2012 based on the following:
 - In 2002, the Site was graded prior to the use of the Site as a construction staging area for the surrounding residential development.
 - Soil stockpiles were observed on the Site in the 2008 and 2010 aerial photographs.
 - In 2012, the Site was re-graded following the completion of the surrounding residential development.
 - A large soil berm was observed during the Site visit running along the west property boundary.
 - Pieces of concrete were observed during the Site visit within the southwest portion of the Site.
 - Previous environmental reports (2001 and 2013) indicted fill as the upper soil unit.

- A large soil berm, likely comprised of fill material of unknown quality, is observed along the western property boundary during site visit.
- There is a potential environmental concern for the migration of contaminants in groundwater to the Site from the current oil refinery on a property located approximately 700m north of the Site.

Phase I ESA Recommendations

The results of the Phase I ESA identified potential sources of contamination at the Site; therefore, a Phase II ESA is recommended. The Phase II ESA should include soil and groundwater sampling.

A response to a request for information from the MECP, Town of Oakville and Regional Municipality of Halton (Halton Region) has not been received at the time of writing this report. The absence of this information will not likely change the overall conclusion of the Phase I ESA, but could represent a potential limitation to the findings and could increase the scope of work of Phase II ESA.

Contents

Executive Summary	1
1.0 Introduction	1
1.1 Objectives and Scope of Work	1
1.2 Methodology	1
2.0 Site Description	2
2.1 Physical Description.....	2
2.2 Topography, Geology and Hydrogeology.....	2
3.0 Historical Records Review.....	3
3.1 Previous Environmental Reports.....	3
3.2 Fire Insurance Plans (FIPs) and Property Underwriters Reports	4
3.3 Aerial Photographs	4
3.4 Municipal Directories.....	6
3.5 Technical Standards and Safety Authority – Fuel Safety Division.....	6
3.6 Ministry of the Environment, Conservation and Parks (MECP).....	6
3.6.1 Freedom of Information Request	6
3.6.2 MECP Published Records	6
3.6.3 Environmental Registry	7
3.6.4 Brownfield Environmental Site Registry.....	7
3.6.5 Hazardous Waste Information Network (HWIN)	8
3.7 Town of Oakville	8
3.7.1 Building Services Department	8
3.7.2 Town of Oakville Official Plan.....	8
3.8 Halton Region	9
3.8.1 Freedom of Information Request	9
3.8.2 Halton Region Official Plan.....	9
3.8.3 Conservation Halton.....	9
3.9 Environmental Canada.....	9
3.9.1 National Pollutant Release Inventory.....	9
3.9.2 Federal Contaminated Sites Records.....	10
3.10 Environmental Risk Information Services Report	10
4.0 Interview.....	10
5.0 Site Reconnaissance.....	11
5.1 Building Structures.....	11

5.2	Site Services and Utilities.....	11
5.3	Heating and Cooling Systems.....	11
5.4	Special Attention Items.....	11
5.5	Storage Tanks and Containers.....	11
5.6	Waste.....	11
5.7	Unidentified Substances.....	11
5.8	Mechanical Equipment.....	11
5.9	Chemical Storage.....	12
5.10	Drains and Sumps.....	12
5.11	Spills, Staining and Stressed Vegetation.....	12
5.12	Fill.....	12
5.13	Surface Drainage.....	12
5.14	Watercourses, Ditches or Standing Water.....	12
5.15	Pits and Lagoons.....	12
5.16	Wells and Septic Systems.....	12
5.17	Fires.....	12
5.18	Air Emissions.....	12
5.19	Odours.....	13
5.20	Adjacent and Surrounding Properties.....	13
6.0	Summary and Conclusions.....	13
7.0	Qualifications of Assessors.....	15
8.0	Limitations.....	16
9.0	References.....	17

Figures

Figure 1 – Site Location Map

Figure 2 – Site Layout and Features

Figure 3 – Study Area

Appendices

Appendix A Government Records

Appendix B OPTA & ERIS

Appendix C Aerial Photographs

Appendix D Site and Inspection Records

Appendix E Site Photographs

1.0 Introduction

1.1 Objectives and Scope of Work

MTE Consultants Inc. (MTE) was retained by The Halton District School Board to conduct a Phase I Environmental Site Assessment (ESA) for the property located at proposed municipal address 193 Nautical Boulevard (Block 220, Plan 20M840, formerly Part of Lot 33 & 34, Concession 4) in Oakville, Ontario (the “Site”). The Site location is illustrated on **Figure 1**.

Authorization to proceed with the Phase I ESA was received from Mr. Fred Thibeault of Halton District School Board following acceptance of MTE’s proposal for services dated June 11, 2021. The assignment was completed by MTE under Reference Number 49485-200.

The Phase I ESA was conducted following the Canadian Standards Association (CSA) standard *Z768-01 (R2016) Phase I Environmental Site Assessments, November 2001*. The Phase I ESA was completed for property transaction due diligence purposes and future development, and is not intended for filing an Ontario Ministry of the Environment, Conservation and Parks (MECP) Record of Site Condition (RSC) under Ontario Regulation (O.Reg.) 153/04.

The objective of the Phase I ESA was to determine if the Site is subject to actual or potential sources of contamination. Contamination is defined by the CSA Standard as “the presence of a substance of concern, or a condition, in concentrations above appropriate pre-established criteria in soil, sediment, surface water, groundwater, air or structures”. The general scope of work for the Phase I ESA included:

- A review of historical records;
- Site reconnaissance to observe the Site and other adjacent properties;
- Interviews with persons knowledgeable about the Site; and
- Reporting of the Phase I ESA results.

It is noted that the MECP was previously named the Ontario Ministry of the Environment (MOE) and the Ontario Ministry of the Environment and Climate Change (MOECC). For ease of discussion in this report, “MECP” is used to represent this provincial ministry and is inclusive of MOE and MOECC.

For ease of discussion, all directions in this Phase I ESA report are in reference to project north as depicted on **Figure 2**.

1.2 Methodology

The Phase I ESA Site Layout and Features are illustrated on **Figure 2**. The Phase I ESA Study Area included the Site and properties located wholly or partially within 250 metres of the Site boundary as illustrated on **Figure 3**. MTE conducted research and collected information that was reasonably attainable for the Site and Study Area.

The historical records review included:

- Published and online records from the MECP, Ministry of Natural Resources and Forestry (MNRF) and Environment Canada;
- Physical setting information including aerial photographs, topographic maps, and geologic reference materials;
- Environmental Risk Information Services (ERIS) database report;

- Published Fire Insurance Plans (FIPs), inspection reports and municipal directories; and,
- Previous environmental reports prepared for the Site.

Requests for information related to the Site and the Study Area were submitted to government and other agencies including the MECP, Technical Standards and Safety Authority (TSSA), Halton Region, and the Town of Oakville.

A Site visit was completed on June 28, 2021 to observe the Site and adjoining properties as they could be viewed from the Site or public lands. An interview was completed with Mr. Fred Thibeault, General Manager of Planning, and Ms. Elaine Westerhof, Facility Services, representatives of the current owner of the Site, Halton District School Board.

MTE evaluated the information collected during the Phase I ESA and compiled this written report of findings, which includes supporting figures and appendices. The Phase I ESA Site reconnaissance was conducted by Ms. Monique Gyba, B.E.S., C.Tech and Mr. Zachary Thomson, B.Eng. The Phase I ESA report was completed by Ms. Gyba and Mr. Thomson and reviewed by Mr. Kelvin Lee, P.Eng., QP_{ESA}. The qualifications of Ms. Gyba, Mr. Thomson and Mr. Lee are included in **Section 7.0**.

2.0 Site Description

2.1 Physical Description

The Site is approximately 2.26 hectares (5.58 acres) in area and is located on the south side of Nautical Boulevard between Allison Crescent and Innville Crescent in Oakville, ON. The Site is an approximately rectangular shaped parcel and is currently vacant land. The Site is Part of Block 220, Plan 20M840, formerly Parts of Lot 33 and 34, Concession 4, South of Dundas Street, Town of Oakville.

2.2 Topography, Geology and Hydrogeology

The following sources of information were reviewed to determine the topography, geology and hydrogeology at the Site:

- The Physiography of Southern Ontario by Chapman and Putnam (1984);
- Atlas of Canada Digital Topographic Mapping from Natural Resources Canada;
- Bedrock geology mapping by the Ministry of Northern Development and Mines (1991);
- Ontario Base Map (OBM) No. 10 17 6000 48000; and
- Water well information obtained from the Groundwater Information Network (GIN) and MECP online water well records.

A review of the information indicated the following:

- UTM Coordinates for the approximate center of the Site are 603,400 metres east and 4,804,174 metres north;
- The ground surface elevation of the Site is approximately 85m above sea level (masl); and

- The regional topography generally decreases in elevation to the southeast towards Sheldon Creek located approximately 260m southeast of the Site and Lake Ontario located approximately 630m southeast of the Site.

The broad physiographic region is known as the Iroquois Plain, which includes the lowlands bordering Lake Ontario and the Niagara Escarpment, extending from the Niagara River to the Trent River (Chapman and Putnam, 1984). Surficial geology mapping (Geologic Survey of Canada, 1997) suggests the potential presence of glacial till (sandy silt to sand) and glacial lake deposits of silt and clay in the vicinity of the Site.

Bedrock is expected at a depth of approximately 2m to 3m below ground surface (bgs) and includes Middle and Lower Silurian formations of sandstone, shale, dolostone and siltstone. (*Ministry of Northern Development and Mines, 1991*).

Four monitoring wells were observed on Site during the Phase I ESA Site visit that were reportedly installed by others during a previous environmental investigation (report not available). At the time of the Site visit, MTE completed a well condition survey of the existing wells. Three of the wells were installed at depths of approximately 6.1m to 6.3m bgs. The water level in these wells was measured to be approximately 2.8m to 3.3m bgs. One well was installed shallower, at a depth of approximately 4.7m bgs. The water level in this well was measured to be approximately 3.2m bgs.

A previous investigation (Trow, 2001) reviewed a previous borehole log that was completed for the Site and found the soil stratigraphy to consist of clayey silt fill to 0.9m bgs, underlain by shale bedrock to the maximum depth drilled of 2.3m bgs.

The regional groundwater flow direction is expected to follow surface topography and a general decrease in elevation to the southeast towards Lake Ontario, approximately 630m southeast.

3.0 Historical Records Review

3.1 Previous Environmental Reports

The following previous environmental reports for the Site were provided to MTE by Halton District School Board to review.

- 1) *Environmental Testing, School Blocks, Lakeshore Woods, Rebecca Street to Lakeshore Road, East of Burloak Drive, Oakville, Ontario* prepared by Trow Consulting Engineers Ltd. for Metrus Development Inc., October 26, 2001.

The report was completed for a larger parcel of land that included the Site. The following is a summary of the information provided in the report that pertains to the Site only:

- Four near surface samples (below topsoil (specific depths not provided) (samples E3, E5, E6 and E7) were analyzed for metals, hydride-forming metals (arsenic (As), antimony (Sb) and selenium (Se)), hot water soluble boron (B-HWS), cyanide (CN-), pH, sodium absorption ratio (SAR) and electrical conductivity (EC).
 - All analytical results for the samples were below the Ministry of Environment, (MOE) Guideline for Use at Contaminated Site (revised February 1997), and those for residential/parkland and commercial/industrial land uses in both potable and non-potable groundwater conditions.

- MTE compared the results to the current 2011 Table 3 Site Condition Standards for residential use and coarse textured soil (“2011 Table 3 RPI SCSs”). The results were below the 2011 Table 3 RPI SCSs.
- The report also reviewed a borehole log obtained from a previous geotechnical investigation (April 2001). The soil stratigraphy at borehole BH27 was described as dark red brown clayey silt fill to 0.9m bgs, underlain by red brown to olive shale to the maximum depth drilled of 2.3m bgs.

2) *Phase I Environmental Site Assessment, Proposed Lakeshore Woods School, Part of Lot 33 & 34, Nautical Boulevard (Former Concession 4), Oakville, Ontario* prepared by Coffey Geotechnics Inc. for Halton District School Board, August 20, 2013.

The following information was provided in the report:

- At the time of the report the Site was vacant undeveloped land;
- The Site has been historically owned by Shell Canada;
- The Site was used as a construction equipment staging area for the surrounding residential development, which included the storage of construction trailers, construction equipment and soil stockpiles;
- The adjoining properties were occupied by a mixture of residential and parkland use. Historically, the adjoining properties were agricultural land until development in the 2000s;
- The north neighbouring property (approximately 700m north of the Site) has been occupied by an oil refinery;
- The southwest adjoining property may have been used as a storage area for soil or tailings originating from the northwest neighbouring property; and,
- Road salts may have been applied to areas surrounding the Site.

Based on the findings, a Phase II ESA including soil and groundwater samples was recommended.

It is noted that fill materials were identified at the Site in 2001 prior to the construction activities conducted between 2006 and 2012. During that time, fill materials of unknown quality were imported to the Site.

3.2 Fire Insurance Plans (FIPs) and Property Underwriters Reports

Fire insurance plans were developed between 1875 and 1923 and were revised in some areas until the 1970s. Fire insurance plans may illustrate building construction, occupancy and potential fire hazards, as well as provide information regarding storage tanks, transformers, boilers and electrical rooms. Fire insurance plans may also depict the local street network and former municipal addresses.

A search for Fire Insurance Plans (FIPs) and Inspection Reports was conducted through OPTA Environmental Services. No FIPs or Inspection Reports were available for the Site and surrounding properties.

3.3 Aerial Photographs

Aerial photographs were obtained or viewed through University of Toronto Aerial Photo Library, ERIS, Town of Oakville (online) and Google Earth (online) for information pertaining to the Site and surrounding properties. MTE reviewed the aerial photographs for 1954, 1961, 1973, 1985,

1995, 1999, 2002, 2006, 2008, 2010, 2012 and 2019. Copies of these aerial photographs are provided in **Appendix B**.

Date	Site Observations	Study Area Observations
1954	The Site is occupied by agricultural fields.	The Study Area consists primarily of agricultural lands.
1961	No significant changes to the Site are observed.	An oil refinery is depicted approximately 1.5km north.
1973	No significant changes to the Site are observed.	The oil refinery has been expanded to the south (to Rebecca Street) and is now approximately 700m north.
1985	The Site is occupied by a revegetating woodlot.	The majority of the Study Area is occupied by woodlots. The south adjoining property has been redeveloped as a park. A large ring road has been developed to the west and northwest, which is accessed by Rebecca Street. The use of this road is unclear.
1995 1999	The Site is occupied by a woodlot.	No significant changes to the Study Area are observed.
2002	The Site has been graded and is occupied by bare ground cover. Remnants of felled trees are observed within the southern portion of the Site.	The north half of the Study Area has been graded in preparation for residential development. The ring road to the west is still present.
2006	The Site is part of a larger area graded for redevelopment. Some ponded water is observed within the southern portion of the Site.	Portions of the north half of the Study Area have been developed with residential dwellings. The ring road is no longer present.
2008	A large fill pile occupies the northeast portion of the Site. Ponded water is still present within the southern portion of the Site. The northeast corner of the Site is occupied by construction trailers, construction equipment and construction supplies storage. An additional small storage pile is also located within the central portion of the north property boundary.	Additional residential development is observed within the north half of the Study Area.
2010	No significant changes to the Site are observed.	The majority of the north half of the Study area has been developed with residential dwellings.

Date	Site Observations	Study Area Observations
2012	The Site has been graded and is occupied by bare ground cover. All use of the Site as a construction staging area have been removed. The ponded water within the southern portion of the Site has been infilled.	The west adjoining residential dwellings have been constructed. The residential development of the north half of the Study Area appears complete.
2019	No significant changes to the Site are observed.	No significant changes to the Study Area are observed.

3.4 Municipal Directories

A municipal directory search was completed as part of the previous Phase I ESA report (Coffey 2013) for the Site address and the addresses of adjoining and other nearby properties. The search was completed from 1975 to 2001 (most recent directory). The following is a summary of the results.

The Site and Study Area were undeveloped land prior to 2001. As such, Nautical Boulevard was not listed in the municipal directories. The oil refinery north of the Study Area (3275 Rebecca Street) was listed as Petro-Canada in 2001.

3.5 Technical Standards and Safety Authority – Fuel Safety Division

An email request was filed with Customer Services at the Technical Standards and Safety Authority (TSSA) - Fuel Safety Branch on June 25, 2021 requesting information concerning underground storage tanks (USTs) or aboveground storage tanks (ASTs) on the Site and surrounding properties. It was noted that the TSSA Fuel Safety Division did not maintain these records prior to 1990. The request was submitted for the following addresses:

- 3307 Lakeshore Road West
- 150 Allison Crescent
- 154 Allison Crescent
- 158 Allison Crescent
- 170 Allison Crescent
- 174 Allison Crescent
- 178 Allison Crescent
- 162 Allison Crescent
- 166 Allison Crescent

TSSA Customer Services responded via email on June 25, 2021 indicating no records were identified for the above addresses. A copy of the TSSA response is provided in **Appendix A**.

3.6 Ministry of the Environment, Conservation and Parks (MECP)

3.6.1 Freedom of Information Request

A written Freedom of Information Request was filed with the MECP, Freedom of Information and Protection of Privacy Office, on June 22, 2021, for information regarding environmental concerns on file for the Site.

MTE has not received a response from the MECP in regard to the information request. If information is received that would alter the conclusions of this Phase I ESA, a letter addendum will be provided.

3.6.2 MECP Published Records

MTE reviewed the following historical MECP published records:

- Waste Disposal Site Inventory” (MOE, June 1991);

- Inventory of Coal Gasification Plant Waste Sites in Ontario (MOE, April 1987, Reprinted February 1989) and Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume 1 (MOE, November 1988); and
- Ontario Inventory of PCB Storage Sites (MOE, April 1995).

The reviews were completed by MTE through an electronic listing query using the electronic databases for each of these documents, the Site UTM coordinates obtained from Google Earth and a search radius of 500m. The electronic search results are included in **Appendix A**.

The results of the reviews did not identify records for landfills, coal gasification plants or PCB storage on the Site or within the Study Area.

3.6.3 Environmental Registry

The Environmental Registry was created in 1994 to provide residents of Ontario access to environmentally significant decisions under review by the Government of Ontario. The Registry contains a collection of notices that each ministry is required to publish for public consultation such as environmentally significant instruments, policies, acts and regulations. The Registry also contains a list of court actions that have been initiated under the Environmental Bill of Rights.

The MECP also provides information on approvals and registration through Access Environment, which currently includes Certificates of Approval (CofA), Environmental Compliance Approvals (ECA), Renewable Energy Approvals (REA) and registrations on the Environmental Activity and Sector Registry (EASR) from December 1999 onward.

MTE reviewed the Environmental Registry and Access Environment for the Site and properties within the Study Area and the following note worthy records was identified for the Study Area.

Address (Distance and Location to Site)	Type of Record	Notes
111 Nautical Boulevard	Environmental Compliance Approval - Air	For one mobile touch-up spray paint operation (2016)

This record was not considered a potential environment concern to Site.

3.6.4 Brownfield Environmental Site Registry

Brownfields are former industrial or commercial properties, which are vacant or underutilized, and where future use is affected by real or perceived environmental contamination. New protections from environmental liability for brownfields, together with new cleanup standards, came into effect October 1, 2004 and updated in April 2011.

Protection from environmental clean-up orders for property owners is contingent upon 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 proposed property use. The Brownfield Environmental Site Registry allows public access to information contained in RSC that have been filed since October 1, 2004.

A review of the Brownfields Environmental Site Registry (BESR) was completed and one record was listed for the Site. No records were listed for the Study Area.

Municipal Address (distance to Site)	Certification Date	Site Condition Standards	Notes
No municipal address available (Site)	May 3, 2011	Table 3 RPI, Medium/Fine	<ul style="list-style-type: none"> • Phase I ESA, Phase II ESA • Certificate of Property Use (CPU) was not issued • All analytical results for soil and groundwater were below the applicable Site Condition Standards. • No soil or groundwater remediation

3.6.5 Hazardous Waste Information Network (HWIN)

The Hazardous Waste Information Network (HWIN) is a web-based system that, since 2004, allows generators, carriers and receivers of hazardous waste to register their activities with the Ministry of the Environment online. The HWIN database provides information on the generation, movement and disposal of hazardous waste in Ontario since 2002.

MTE maintains an internal database of records downloaded from HWIN that was last updated July 7, 2021. The MTE internal HWIN database was reviewed and no records were identified for the Site or Study Area. Historical waste generator records were also reviewed as part of the ERIS report (see **Section 3.10**).

3.7 Town of Oakville

3.7.1 Building Services Department

A written request was filed with the Town of Oakville, Building Services Department on June 22, 2021 for information regarding records of orders, abatement, storage tank installation/removals, spills, fires, waste generator records or other environmental concerns at the Site.

MTE has not received a response from the Town of Oakville in regard to the information request. If information is received that would alter the conclusions of the Phase I ESA, a letter addendum will be provided.

3.7.2 Town of Oakville Official Plan

MTE reviewed the Town of Oakville Official Plan (2009). The Official Plan is a public document which establishes a policy framework for public and private sector decisions regarding immediate and long-term land use, development and growth in the municipality.

Information pertaining to the Site and surrounding areas is as follows:

- The Site is located within an Urban Residential Land Use Area;
- The Site and Study Area are not located within Parkway Belt or Greenbelt;
- Significant wildlife habitat is identified at woodlands on the south adjoining property.
- The south adjoining property is parkland land use; and
- The Site is not located within 30m of a Wetland Area.

No issues of environmental concern were noted.

3.8 Halton Region

3.8.1 Freedom of Information Request

A written Freedom of Information (FOI) request was filed with Halton Region on July 2, 2021 for information regarding records of control or work orders, violation notices, or other environmental concerns at the Site.

MTE has not received a response from Halton Region in regard to the information request. If information is received that would alter the conclusions of the Phase I ESA, a letter addendum will be provided.

3.8.2 Halton Region Official Plan

MTE reviewed the Official Plan of Halton Region (June 19, 2018 Consolidation) for information regarding important natural and cultural resources for the Site and surrounding lands. The following information was noted:

- The Site is located within an urban area;
- The south adjoining property (Shell Park) is located within a Key Feature - Regional Natural Heritage System;
- The Site is not located within a Greenbelt Protected Countryside Area, Escarpment Area or Escarpment Protection Area; and
- The Site is not located within a municipal well head protection zone.

No issues of environmental concern were noted.

3.8.3 Conservation Halton

MTE reviewed the online mapping tools for Conservation Halton for information regarding the Site and surrounding lands. The following information was indicated on the mapping:

- The Site is located within the Sheldon Creek Watershed; and
- A Wooded Area is located south of the Site (Shell Park).

No issues of environmental concern were noted.

3.9 Environmental Canada

3.9.1 National Pollutant Release Inventory

The National Pollutant Release Inventory (NPRI) was established in 1992 and is legislated under the Canadian Environmental Protection Act (CEPA, 1999). The NPRI requires companies to report information on releases and transfers of pollutants to the Government of Canada on an annual basis.

MTE reviewed the NPRI for information pertaining to the Site and Study Area and no records were identified. Historical NPRI records were also reviewed as part of the ERIS report (see **Section 3.10**).

3.9.2 Federal Contaminated Sites Records

On July 1, 2000, the Government of Canada introduced the Federal Contaminated Sites and Solid Waste Landfills Inventory Policy that states that departments and agencies that hold property must establish and maintain a database of their contaminated sites and solid waste landfills. The inventory includes all known Federal Contaminated Sites for which departments and agencies are accountable and non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility.

The Site and Study Area were not listed in the inventory.

3.10 Environmental Risk Information Services Report

MTE contacted ERIS Environmental Risk Information Services Information Partnership (ERIS) to request a search of government and private records for information pertaining to the Site and the Study Area. ERIS searched a select number of Federal, Provincial and private databases. A copy of the ERIS report is provided in **Appendix B**.

Nine records were identified for the Site and 13 records were identified for the Study Area. None of the records were considered to result in an environmental concern at the Site.

The records for the Site included an RSC filed in 2011 (see **Section 3.6.4**), and ECAs for municipal and private sewage works.

The off-Site records included multiple environmental spills at 3415 Lakeshore Road West (Shell Canada Ltd.) and natural gas pipeline incidents. It is noted that municipal address 3415 Lakeshore Road West is outside the Study Area, and located at location down-gradient of the Site. Therefore, these records are not expected to cause a significant environmental impact to the Site due to the distance and direction to the Site.

4.0 Interview

An interview was completed with Mr. Fred Thibeault, General Manager of Planning and Ms. Elaine Westerhof, Facility Services, representatives of the current property owner. The following is a summary of the information provided to MTE.

- The Site has been owned by Halton District School Board since January 2014.
- To their knowledge, no structures have been developed on the Site.
- An easement has been granted to Oakville Hydro Electricity Distribution Inc. that includes the use of 0.002 hectares of land at the northwest corner of the Site for a pad-mounted transformer. There are no other utilities at the Site.
- To their knowledge, there have been no fires, open burning or illegal dumping on the Site.
- They are not aware of any environmental concerns at the Site. As part of the due diligence process to acquire the Site, the Board confirmed that there were no environmental concerns at that time.

5.0 Site Reconnaissance

A Site visit was completed on June 28, 2021 by Ms. Monique Gybe, B.E.S., C.Tech. and Mr. Zachary Thomson, B.Eng of MTE. Weather conditions were sunny and the temperature was approximately 25°C. All areas of the Site were accessible. The Inspection Report is included in **Appendix D**. Photographs of the Site and surrounding properties that were taken at the time of inspection are included in **Appendix E**.

The Site is approximately 2.26 hectares (5.58 acres) in area and is located on the south side of Nautical Boulevard between Allison Crescent and Innville Crescent in Oakville, ON. The Site is an approximately rectangular shaped parcel and is currently vacant land.

5.1 Building Structures

There are no buildings on the Site and no record of any past buildings.

5.2 Site Services and Utilities

There was no evidence of any utilities, water supply wells or septic systems on the Site; however, underground hydro lines are anticipated to be buried on-site along Nautical Boulevard. A pad-mounted transformer is located at the northwest corner of the Site.

5.3 Heating and Cooling Systems

No heating or cooling systems were present on the Site.

5.4 Special Attention Items

Building materials or equipment containing PCBs, asbestos, lead, mercury, ozone depleting substances (ODS) and urea formaldehyde foam insulation (UFFI), or conditions such as excess noise or vibration, mould, radon and electric/magnetic fields, may be of special significance because of heightened public concern or specific environmental legislation.

The Site consists of vacant land and there were no buildings or equipment on the Site that would contain PCBs, asbestos, lead, mercury, ozone depleting substances (ODS) or urea formaldehyde foam insulation. No testing for radon was performed during the Phase I ESA and no potential concerns for industrial noise were observed during the Site visit.

5.5 Storage Tanks and Containers

No aboveground storage tanks (ASTs) or evidence of underground storage tanks (USTs) were observed at the Site, and there are no records of previous storage tanks.

5.6 Waste

The Site is vacant. No wastes are currently generated. No potentially hazardous wastes were observed during the Site visit. However, concrete debris is observed in the southern portion of the Site.

5.7 Unidentified Substances

No unidentified substances were observed during the Site visit.

5.8 Mechanical Equipment

No mechanical equipment of potential environmental concern such as vehicle hoists or hydraulic elevators or wastewater treatment systems was observed at the Site.

5.9 Chemical Storage

No evidence of chemical storage was observed during the Site visit. It is not known if agricultural chemicals were historically stored on the Site.

5.10 Drains and Sumps

No dewatering sumps or drainage systems were observed during the Site visit. Surface drainage on the Site is expected to infiltrate. No ponded water or concerns pertaining to drainage were observed during the Site visit.

5.11 Spills, Staining and Stressed Vegetation

No evidence of spills, staining or stressed vegetation was observed during the Site visit.

5.12 Fill

Based on the review of aerial photographs, soil stockpiling activities were observed on the Site during the redevelopment of the neighbouring residential properties. The Site was used as a construction staging area at that time. Aerial photographs, previous reports, and observations made during the Site visit also indicated that the Site was historically graded and may have been completed with imported fill material. Additionally, a large berm runs along the western boundary of the Site that is likely comprised of imported fill. Pieces of concrete were also observed within the southern portion of the Site. Previous environmental reports also indicted fill as the upper soil unit.

5.13 Surface Drainage

Surface water (i.e., precipitation or snow melt) is expected to remain on Site and infiltrate the ground surface. No concerns pertaining to surface drainage were observed during the Site visit.

5.14 Watercourses, Ditches or Standing Water

No watercourses, ditches or standing water were observed during the Site visit.

5.15 Pits and Lagoons

No evidence of extraction pits or lagoons was observed on the Site.

5.16 Wells and Septic Systems

Four groundwater monitoring wells were observed during the Site visit (see **Section 2.2**). No evidence of septic systems was observed on the Site.

5.17 Fires

No evidence of fires or open burning was observed during the Site visit.

5.18 Air Emissions

No evidence of industrial air emission sources was observed on or adjacent to the Site.

5.19 Odours

No unusual or objectionable odours were observed during the Site visit.

5.20 Adjacent and Surrounding Properties

The Site is located in a residential and parkland area of Oakville. Properties surrounding the Site included:

Direction	Address	Property Use or Occupant
North	Nautical Boulevard, then 170-216 Nautical Boulevard	Roadway Residential
East	127-159 Innville Crescent	Residential
South	Shell Park	Parkland
West	150-178 Alison Crescent	Residential

No obvious environmental concerns were observed on adjoining properties as they could be viewed from the Site or public lands.

6.0 Summary and Conclusions

MTE was retained by The Halton District School Board to conduct a Phase I ESA for the property located at proposed municipal address 193 Nautical Boulevard (Block 220, Plan 20M840, formerly Part of Lot 33 & 34, Concession 4) in Oakville, Ontario (the "Site"). The Phase I ESA was completed for due diligence purposes in advance of a potential property transaction and future redevelopment.

Phase I ESA Results

The results of the Phase I ESA identified the following potential environmental concerns at the Site:

- Between 2006 and 2012, the Site was used as a construction staging area for the surrounding residential development. This included large quantities of soil stockpiling activities; and construction trailers, equipment and supplies storage.
- Fill material of unknown quality may have been imported to the Site between prior to 2001 and 2012 based on the following:
 - In 2002, the Site was graded prior to the use of the Site as a construction staging area for the surrounding residential development.
 - Soil stockpiles were observed on the Site in the 2008 and 2010 aerial photographs.
 - In 2012, the Site was re-graded following the completion of the surrounding residential development.
 - A large soil berm was observed during the Site visit running along the west property boundary.
 - Pieces of concrete were observed during the Site visit within the southwest portion of the Site.

- Previous environmental reports (2001 and 2013) indicted fill as the upper soil unit.
- A large soil berm, likely comprised of fill material of unknown quality, is observed along the western property boundary during site visit.
- There is a potential environmental concern for the migration of contaminants in groundwater to the Site from the current oil refinery on a property located approximately 700m north of the Site.

Phase I ESA Recommendations

The results of the Phase I ESA identified potential sources of contamination at the Site; therefore, a Phase II ESA is recommended. The Phase II ESA should include soil and groundwater sampling.

A response to a request for information from the MECP, Town of Oakville and Regional Municipality of Halton (Halton Region) has not been received at the time of writing this report. The absence of this information will not likely change the overall conclusion of the Phase I ESA, but could represent a potential limitation to the findings and could increase the scope of work of Phase II ESA.

7.0 Qualifications of Assessors

As required by CSA Standard Z768-01, Clause 3.4, an appropriate combination of formal education, skills, experience and training is required in order to provide a technically sound and rational Phase I ESA. The key participants involved in performing the components of the Phase I ESA are Mr. Kelvin Lee, P. Eng., QPESA, Ms. Monique Gyba, B.E.S., C.Tech., and Mr. Zachary Thomson, B.Eng. of MTE Consultants Inc.

Mr. Thomson is a graduate of the Royal Military College of Canada with a Bachelor of Engineering in Chemical Engineering. He also has a graduate diploma from Conestoga College in Environmental Engineering Applications. Mr. Thomson has two years of experience in the environmental consulting industry and has conducted numerous due diligence Phase I and II Environmental Site Assessments and a variety of soil and groundwater remediation projects.

Ms. Gyba B.E.S., C.Tech is a graduate of the University of Waterloo with a Bachelors of Environmental Studies. She also has an Environmental Technician diploma from Seneca College and is a Certified Environmental Technician. Ms. Gyba has nine years of experience in the environmental consulting industry and has conducted numerous due diligence Phase I and II Environmental Site Assessments, Ontario Regulation 153/04 (as amended) Phase One and Two Environmental Site Assessments, and a variety of soil and groundwater remediation projects.

Mr. Lee is a graduate of the University of Toronto with a Master of Chemical Engineering degree. He also has an Undergraduate degree in Chemical Engineering from McMaster University. Mr. Lee is a Senior Environmental Engineer at MTE with over 12 years of environmental consulting experience across Canada and USA. Mr. Lee is a licensed Professional in the provinces of Ontario, Manitoba, and Saskatchewan, and a Qualified Person for Environmental Site Assessment as defined in O.Reg. 153/04. His technical experience includes conducting and managing Phase I and II environmental site assessments, remediation, risk management plan, fill management, and filing of Records of Site Condition.

8.0 Limitations

Services performed by **MTE Consultants Inc.** (MTE) were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Environmental Engineering & Consulting profession. No other warranty or representation expressed or implied as to the accuracy of the information, conclusions or recommendations is included or intended in this report.

This report was completed for the sole use of MTE and Halton District School Board. It was completed in accordance with the Scope of Work referred to in Sections 1.1 and 1.2 and meets the mandatory requirements of CAN/CSA-Z768-01. As such, this report may not deal with all issues potentially applicable to the site and may omit issues, which are or may be of interest to the reader. MTE makes no representation that the present report has dealt with any and all of the important features, including any or all important environmental features, except as provided in the Scope of Work. All findings and conclusions presented in this report are based on site conditions as they existed during the time period of the investigation. In addition, MTE has relied on information provided by the persons interviewed as part of this study (identified herein) as being accurate and representative. This report is not intended to be exhaustive in scope or to imply a risk-free facility.

Any use which a third party makes of this report, or any reliance on, or decisions to be made based upon it, are the responsibility of such third parties. MTE accepts no responsibility for liabilities incurred by or damages, if any, suffered by any third party as a result of decisions made or actions taken, based upon this report. Others with interest in the site should undertake their own investigations and studies to determine how or if the condition affects them or their plans.

It should be recognized that the passage of time may affect the views, conclusions and recommendations (if any) provided in this report because environmental conditions of a property can change. Should additional or new information become available, MTE recommends that it be brought to our attention in order that we may re-assess the contents of this report.

Respectfully Submitted,

MTE Consultants Inc.



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klee@mte85.com

MFG:axd

M:\49485\200\Phase I ESA\Report\49485-200 Phase I ESA 193 Nautical Boulevard, Oakville (Final) 07-16-21.docx

9.0 References

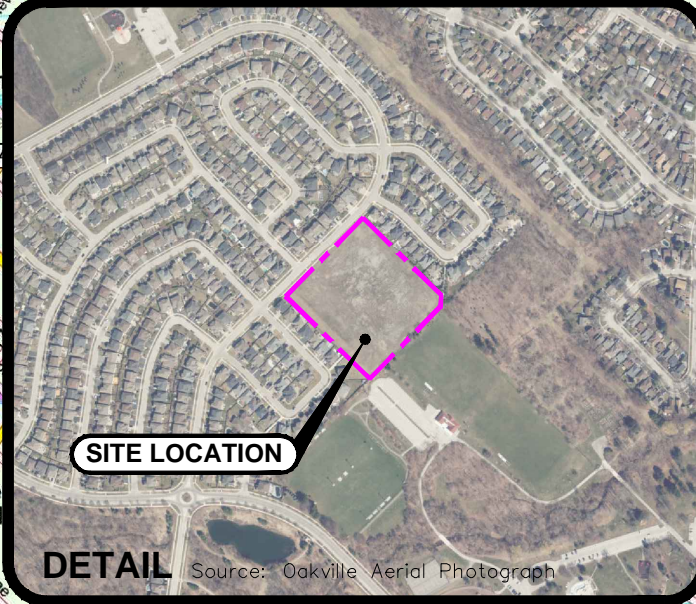
1. Canadian Standards Association Z768-01. 2001 (updated 2003). Phase I – Environmental Site Assessments.
2. Coffey Geotechnics Inc. 2013. Phase I Environmental Site Assessment, Proposed Lakeshore Woods School, Part of Lot 33 &34, Nautical Boulevard (Former Concession 4), Oakville, Ontario.
3. Federal Contaminated Sites Inventory. Available online at: <https://www.tbs-sct.gc.ca/fcsi-rscf/home-accueil-eng.aspx>. Accessed June 25, 2021.
4. Government of Ontario. Environmental Registry. Available online at: <http://www.ebr.gov.on.ca/ERS-WEB-External/>. Accessed June 25, 2021.
5. Groundwater Information Network. Analysis of Water Wells of Canada. Available online at: http://gin.gwinfo.net/service/api_ngwds:gin2/en/gin.html. Accessed June 25, 2021.
6. Halton Region. June 19, 2018 Consolidation. Official Plan. Available online at: [https://www.halton.ca/The-Region/Regional-Planning/Regional-Official-Plan-\(ROP\)](https://www.halton.ca/The-Region/Regional-Planning/Regional-Official-Plan-(ROP)). Accessed June 25, 2021.
7. LJ Chapman and DF Putnam. 1984. The Physiography of Southern Ontario - Second Edition, University of Toronto Press.
8. Ministry of Natural Resources Information Branch. 1983. OBM Map 10 17 6000 48150.
9. Ontario Ministry of Northern Development and Mines. 1991. Bedrock Geology of Ontario, Southern Sheet. Scale 1:1,000,000.
10. Ontario Ministry of Northern Development and Mines. 1986. Quaternary Geology of Hamilton Area. Scale 1:50,000.
11. Ontario Ministry of the Environment. 1987 (reprinted 1989). Inventory of Coal Gasification Plant Waste Sites in Ontario.
12. Ministry of the Environment. 1988. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario.
13. National Pollutant Release Inventory. 2017. Google Earth ([kmz file](#)).
14. Ontario Ministry of the Environment. 1991. Waste Disposal Site Inventory.
15. Ontario Ministry of the Environment. 2000. PCB Site Inventory System 2000.
16. Ontario Ministry of the Environment. Brownfield's Environmental Site Registry Pre-2011. Available online at: <https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>. Accessed June 25, 2021.
17. Ontario Ministry of the Environment. Brownfield's Environmental Site Registry, 2011-present. Available online at: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/searchFiledRsc_search?request_locale=en. Accessed June 25, 2021.
18. Ontario Ministry of the Environment. Hazardous Waste Information Network. Available online at: <https://www.hwin.ca/hwin/>. Accessed June 25, 2021.

19. Ontario Ministry of the Environment. Large Landfill Sites. Accessed June 25, 2021.
20. Ontario Ministry of the Environment, Small Landfill Sites. Accessed June 25, 2021.
21. Town of Oakville. 2008. Official Plan Amendment Number 272 to the Official Plan of the Corporation of the Town of Oakville – North Oakville East Secondary Plan. Available online at: <https://www.oakville.ca/assets/2011%20planning/nco-EastPlan.pdf>. Accessed June 25, 2021.
22. Trow Consulting Engineers Ltd. 2001. Environmental Testing, School Blocks, Lakeshore Woods, Rebecca Street to Lakeshore Road, East of Burloak Drive, Oakville, Ontario

Figures



Project: 49485-200 CAD: P:\49485\200\49485-200-ESA1.DWG
 1 Site Location Map
 Plotted By: TSchneider
 July 14, 2021 - 2:31 AM

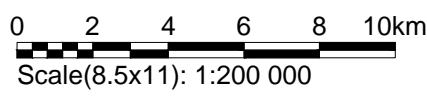


SITE LOCATION

DETAIL Source: Oakville Aerial Photograph



Engineers, Scientists, Surveyors
 Ph. (905) 639-2552



CLIENT	Halton District School Board	
PROJECT	Phase I ESA	
SITE	193 Nautical Boulevard Oakville, Ontario	

TITLE	Site Location Map	
Reviewed By	TJJ	
Prepared By	MFG	
Drawn By	TXS	
Date	July 2021	
Project No.	49485-200	
Figure No.	1	

Project: 49485-200 CAD: P:\49485\200\49485-200-ESA1.DWG
 2_Site Layout and Features
 July 14, 2021 - 8:17 PM - Plotted By: TSchneider

170 230 186 192 196 200 204 210 216
 Residential

Springflower Way
 Turning Leaf Road

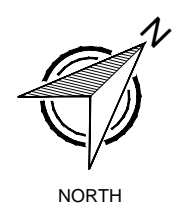
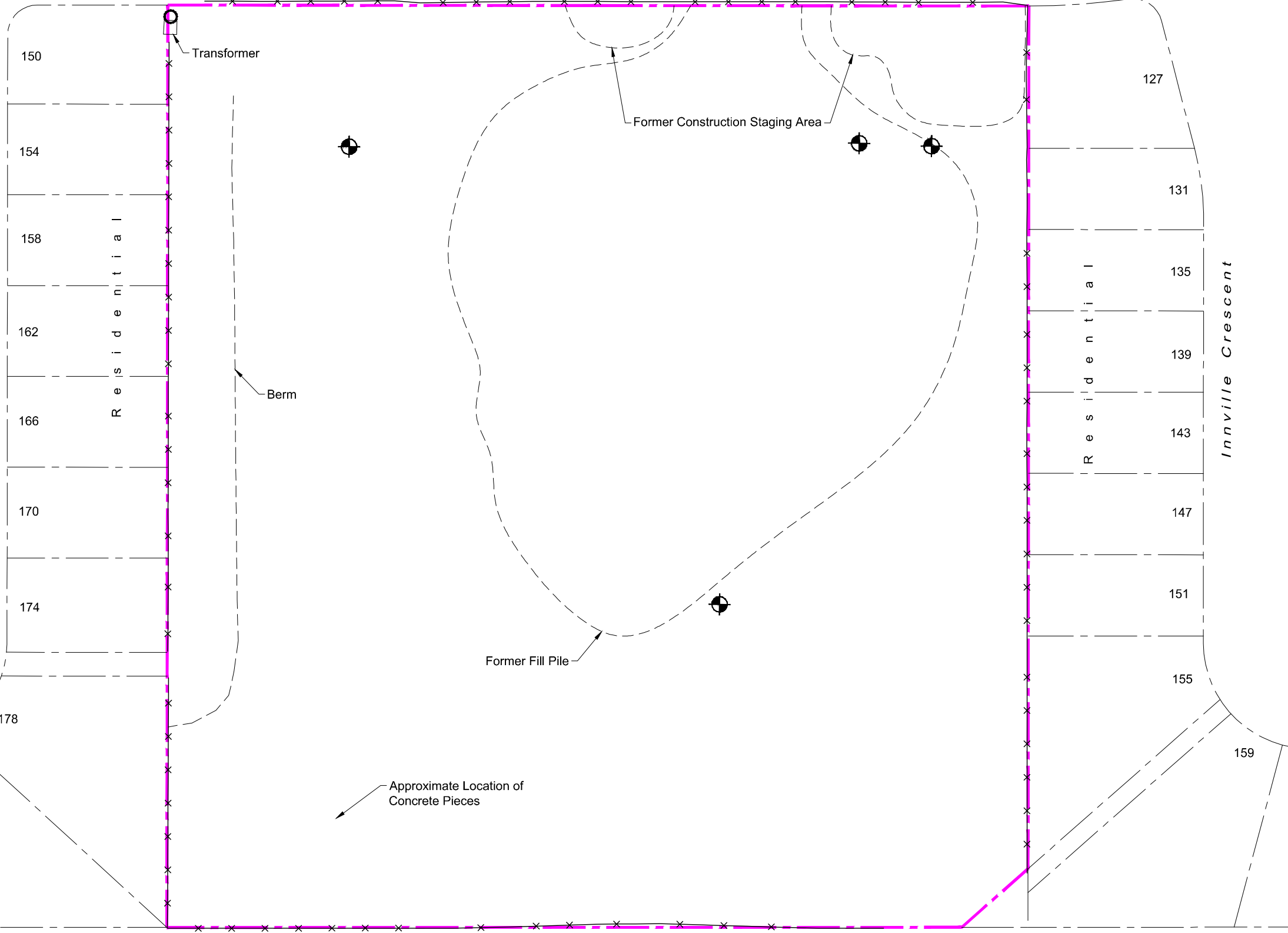
Nautical Boulevard

Alison Crescent

Residential

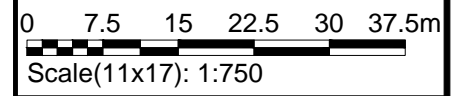
Residential

Innville Crescent



LEGEND

- - - - - Property Line
- - - - - Adjoining Property Line
- x - x - Fence
- Manhole
- ⊕ Monitoring Well

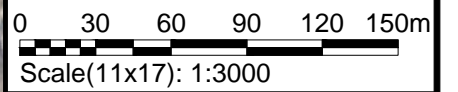


CLIENT	Halton District School Board	
PROJECT	Phase I ESA	
SITE	193 Nautical Boulevard Oakville, Ontario	
TITLE	Site Layout and Features	

Reviewed By	TJJ	Project No.	49485-200
Prepared By	MFG	Figure No.	2
Drawn By	TXS	Date	



LEGEND
 --- Property Line



CLIENT
 Halton District School Board

PROJECT
 Phase I ESA

SITE
 193 Nautical Boulevard
 Oakville, Ontario

TITLE
Study Area

Reviewed By	TJJ	Project No.	49485-200
Prepared By	MFG	Figure No.	3
Drawn By	TXS	Date	

Appendix A

Government Records

**MINISTRY OF ENVIRONMENT
INVENTORY OF COAL GASIFICATION PLANT WASTE SITES IN ONTARIO
INVENTORY OF INDUSTRIAL SITES PRODUCING OR USING COAL TAR AND RELATED TARS IN ONTARIO**

MOECC REGION: Central
 SITE EASTING: 603,400 mE
 SITE NORTHING: 4,804,174 mN
 SEARCH RADIUS: 500 m

DISTANCE AWAY FROM SITE (m)	COUNTY	MUNICIPALITY	COMPANY NAME / OPERATOR / OWNER (IN DATE ORDER WHERE APPLICABLE)	SITE ADDRESS / LOCATION	EAST	NORTH	OPERATION YEARS	TYPE (primary/initial)	INVENTORY REFERENCE
--------------------------------	--------	--------------	---	-------------------------	------	-------	--------------------	---------------------------	------------------------

There are no locations that meet your search criteria

**MINISTRY OF ENVIRONMENT WASTE DISPOSAL SITE INVENTORY, JUNE 1991
REGIONAL INVENTORY OF ACTIVE WASTE DISPOSAL SITES**

MOECC REGION: Central
 SITE EASTING: 603,400 mE
 SITE NORTHING: 4,804,174 mN
 SEARCH RADIUS: 500 m

DISTANCE AWAY FROM SITE (m)	SITE NO	COUNTY	MUNICIPALITY	LOT OR STREET NO	CONCESSION	NTS	ZONE	UTM COORDINATES								STAT'S	CLASS
								EAST	NORTH	D	C	O	H	L	MH		

There are no locations that meet your search criteria

**MINISTRY OF ENVIRONMENT WASTE DISPOSAL SITE INVENTORY, JUNE 1991
REGIONAL INVENTORY OF CLOSED WASTE DISPOSAL SITES**

MOECC REGION: Central
 SITE EASTING: 603,400 mE
 SITE NORTHING: 4,804,174 mN
 SEARCH RADIUS: 500 m

DISTANCE AWAY FROM SITE (m)	SITE NO	COUNTY	MUNICIPALITY	LOT OR STREET NO	CONCESSION	UTM COORDINATES			DATE CLOSED			
						NTS	ZONE	EAST	NORTH	YEAR	MONTH	DAY

There are no locations that meet your search criteria

**MINISTRY OF ENVIRONMENT
ONTARIO INVENTORY OF PCB STORAGE SITES**

MOECC REGION: Central
MUNICIPAL REGION/COUNTY: Halton
SITE EASTING: 603,400 mN
SITE NORTHING: 4,804,174 mN
SEARCH RADIUS: 500 m

DISTANCE AWAY FROM SITE (m)	COUNTY	MUNICIPALITY	COMPANY	SITE NUMBER	SITE ADDRESS	EAST	NORTH	MINOR	MAJOR
--	---------------	---------------------	----------------	--------------------	---------------------	-------------	--------------	--------------	--------------

There are no locations that meet your search criteria

Zachary Thomson

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Friday, June 25, 2021 2:13 PM
To: Zachary Thomson
Subject: RE: 49485-200 Information Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello Zachary,

Thank you for your request for confirmation of public information.

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

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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

Kind regards,

Saara



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Zachary Thomson <ZThomson@mte85.com>
Sent: June 25, 2021 1:40 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: 49485-200 Information Request

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

Good Afternoon,

Can you please search the following addresses in Oakville, Ontario.

- 3307 Lakeshore Road West
- 150 Alison Crescent
- 154 Alison Crescent
- 158 Alison Crescent
- 162 Alison Crescent
- 166 Alison Crescent
- 170 Alison Crescent
- 174 Alison Crescent
- 178 Alison Crescent
- 150 Alison Crescent

Thank you,
Zach

Zachary Thomson | Environmental Engineer-in-Training
MTE Consultants Inc.

T: 519-743-6500 x2467 | ZThomson@mte85.com
520 Bingemans Centre Drive, Kitchener, Ontario N2B 3X9
www.mte85.com | [Twitter](#) | [LinkedIn](#) | [Instagram](#) | [Facebook](#)

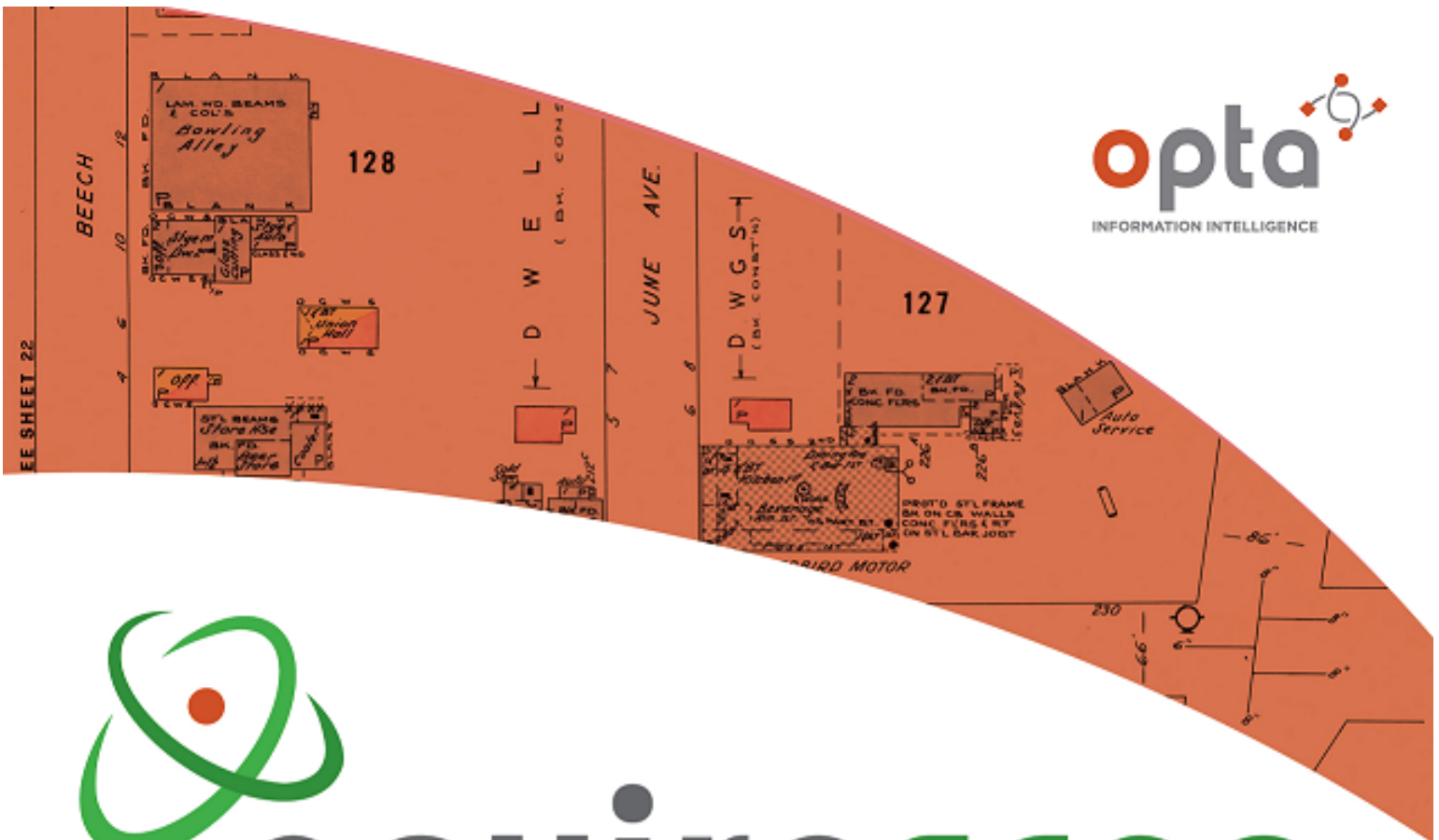
COVID-19 Update: We remain operational and are currently available by email and phone, however, our offices are closed. Staff that are required to visit job sites or perform field work are required to follow MTE health and safety policies and procedures, as well as additional COVID-19 protocols, which can be viewed [here](#).

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Appendix B

OPTA & ERIS Report



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:
Stephanie

Site Address:

193 Nautical Boulevard Oakville ON

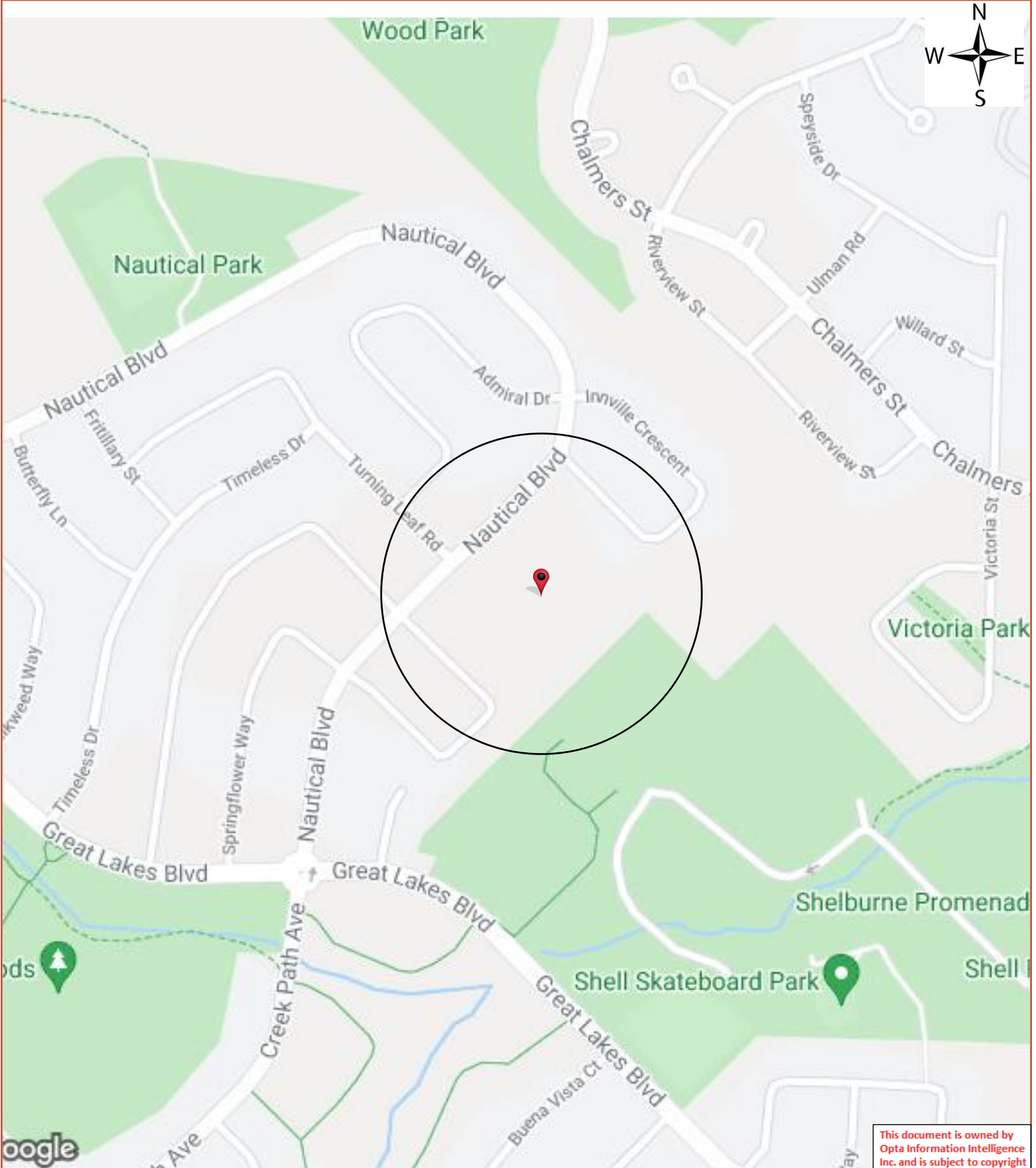
Project No:

21062200079
Opta Order ID:

92368

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
7/2/2021 11:08:01 AM



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Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

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

Disclaimer

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Entire Agreement

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

Governing Document

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

Law

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

No Records Found

Requested by:

Eleanor Goolab

Date Completed: 07/02/2021 11:08:01



OPTA INFORMATION INTELLIGENCE

No Records Found





DATABASE REPORT

Project Property: *Phase I ESA
193 Nautical Boulevard
Oakville ON L6L 0B9*

Project No:

Report Type: *Standard Report*

Order No: *21062200079*

Requested by: *MTE Consultants Inc.*

Date Completed: *June 25, 2021*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	8
Executive Summary: Summary By Data Source.....	10
Map.....	13
Aerial.....	14
Topographic Map.....	15
Detail Report.....	16
Unplottable Summary.....	26
Unplottable Report.....	27
Appendix: Database Descriptions.....	30
Definitions.....	39

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Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Phase I ESA
193 Nautical Boulevard Oakville ON L6L 0B9*

Project No:

Coordinates:

Latitude: *43.3832896*
Longitude: *-79.7234878*
UTM Northing: *4,804,171.11*
UTM Easting: *603,397.83*
UTM Zone: *17T*

Elevation: *278 FT
84.84 M*

Order Information:

Order No: *21062200079*
Date Requested: *June 22, 2021*
Requested by: *MTE Consultants Inc.*
Report Type: *Standard Report*

Historical/Products:

Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	7	0	7
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	1	0	1
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	2	2
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	1	0	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	10	10
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	0	0
Total:			9	13	22

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	RSC	New Province Homes Ltd.	Oakville, No municipal address available ON	WSW/21.0	0.00	16
2	ECA	New Province Homes Ltd.	Oakville ON L4K 3S3	NNE/24.4	0.00	16
2	ECA	New Province Homes Ltd.	Oakville ON L4K 3S3	NNE/24.4	0.00	16
2	ECA	New Province Homes Ltd.	Oakville ON L4K 3S3	NNE/24.4	0.00	17
2	ECA	New Province Homes Ltd.	Oakville ON L4K 4R1	NNE/24.4	0.00	17
2	ECA	New Province Homes Ltd.	Block 85, Plan20M-964 Oakville ON L4K 3S3	NNE/24.4	0.00	17
2	ECA	New Province Homes Ltd.	Oakville ON L4K 3S3	NNE/24.4	0.00	18
2	ECA	New Province Homes Ltd.	Oakville ON L4K 3S3	NNE/24.4	0.00	18
3	EHS		Nautical Boulevard Oakville ON	W/80.8	0.62	18

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
4	HINC		192 Nautical Blvd. OAKVILLE ON L6L 6V6	NW/97.0	0.80	18
5	SPL	SHELL CANADA LTD.	LAKE ONTARIO OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	19
5	SPL	SHELL CANADA LTD.	3415 LAKESHORE ROAD WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	19
5	SPL	SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	20
5	SPL	SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	20
5	SPL	SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	21
5	SPL	SHELL CANADA LTD.	SHELL RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	21
5	SPL	SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	22
5	SPL	SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	22
5	SPL	SHELL CANADA LTD.	3415 LAKESHORE WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	23

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>5</u>	SPL	SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE/126.1	-0.01	<u>23</u>
<u>6</u>	PINC		190 Alison Crescent, Oakville ON	SSW/152.3	0.00	<u>24</u>
<u>7</u>	PINC		214 Alison Crescent, Oakville ON	SW/197.1	-1.09	<u>24</u>

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Apr 30, 2021 has found that there are 7 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
New Province Homes Ltd.	Oakville ON L4K 3S3	NNE	24.43	<u>2</u>
New Province Homes Ltd.	Oakville ON L4K 3S3	NNE	24.43	<u>2</u>
New Province Homes Ltd.	Oakville ON L4K 4R1	NNE	24.43	<u>2</u>
New Province Homes Ltd.	Block 85, Plan20M-964 Oakville ON L4K 3S3	NNE	24.43	<u>2</u>
New Province Homes Ltd.	Oakville ON L4K 3S3	NNE	24.43	<u>2</u>
New Province Homes Ltd.	Oakville ON L4K 3S3	NNE	24.43	<u>2</u>
New Province Homes Ltd.	Oakville ON L4K 3S3	NNE	24.43	<u>2</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Nautical Boulevard Oakville ON	W	80.80	<u>3</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	192 Nautical Blvd. OAKVILLE ON L6L 6V6	NW	97.02	<u>4</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	190 Alison Crescent, Oakville ON	SSW	152.29	<u>6</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	214 Alison Crescent, Oakville ON	SW	197.06	<u>7</u>

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-May 2021 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

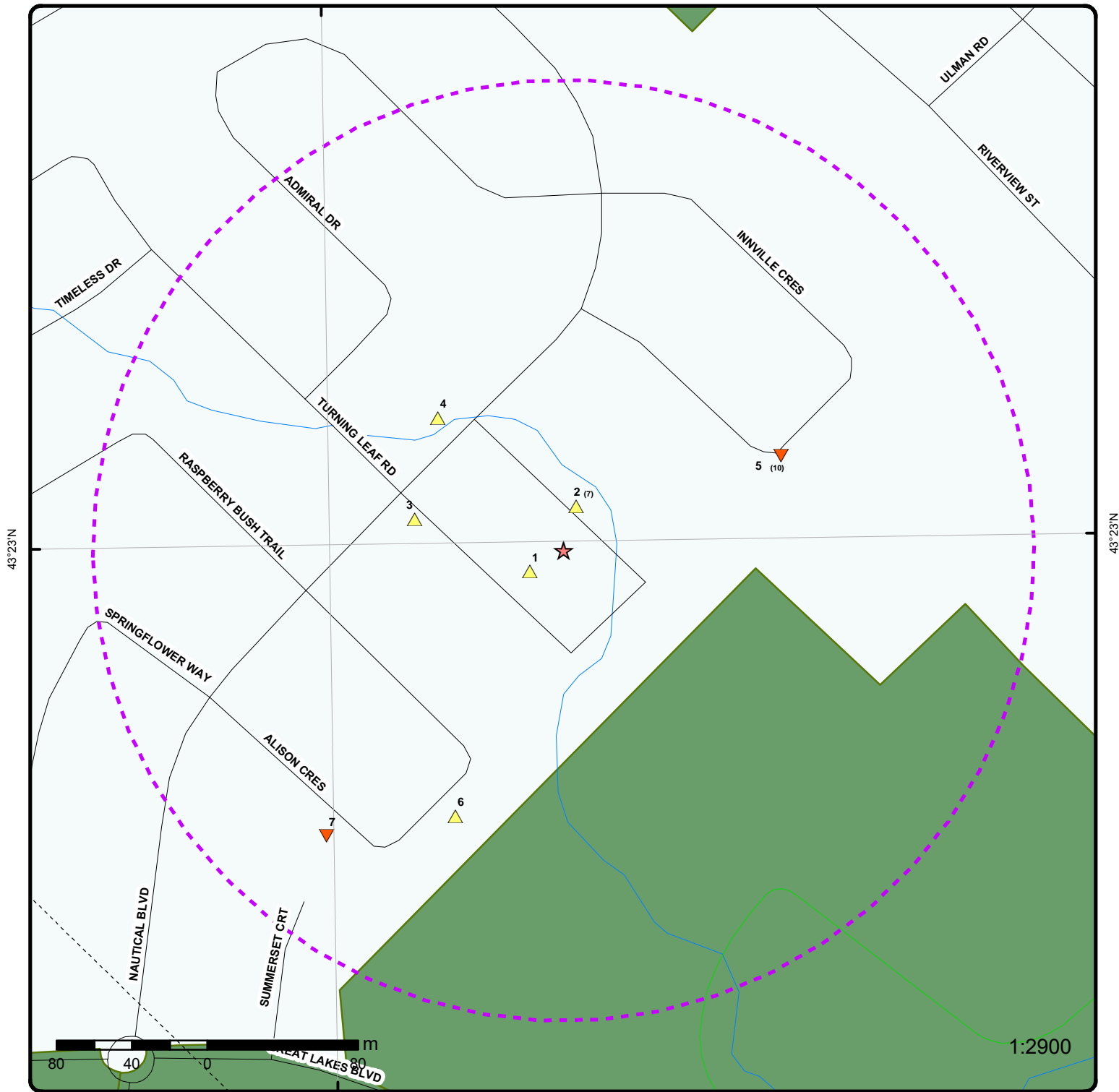
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
New Province Homes Ltd.	Oakville, No municipal address available ON	WSW	21.01	<u>1</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 10 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
------------------------	----------------	------------------	---------------------	----------------

SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	SHELL RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	3415 LAKESHORE ROAD WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	LAKE ONTARIO OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>
SHELL CANADA LTD.	3415 LAKESHORE WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	ENE	126.08	<u>5</u>



43°23'N

43°23'N

1:2900

Map: 0.25 Kilometer Radius

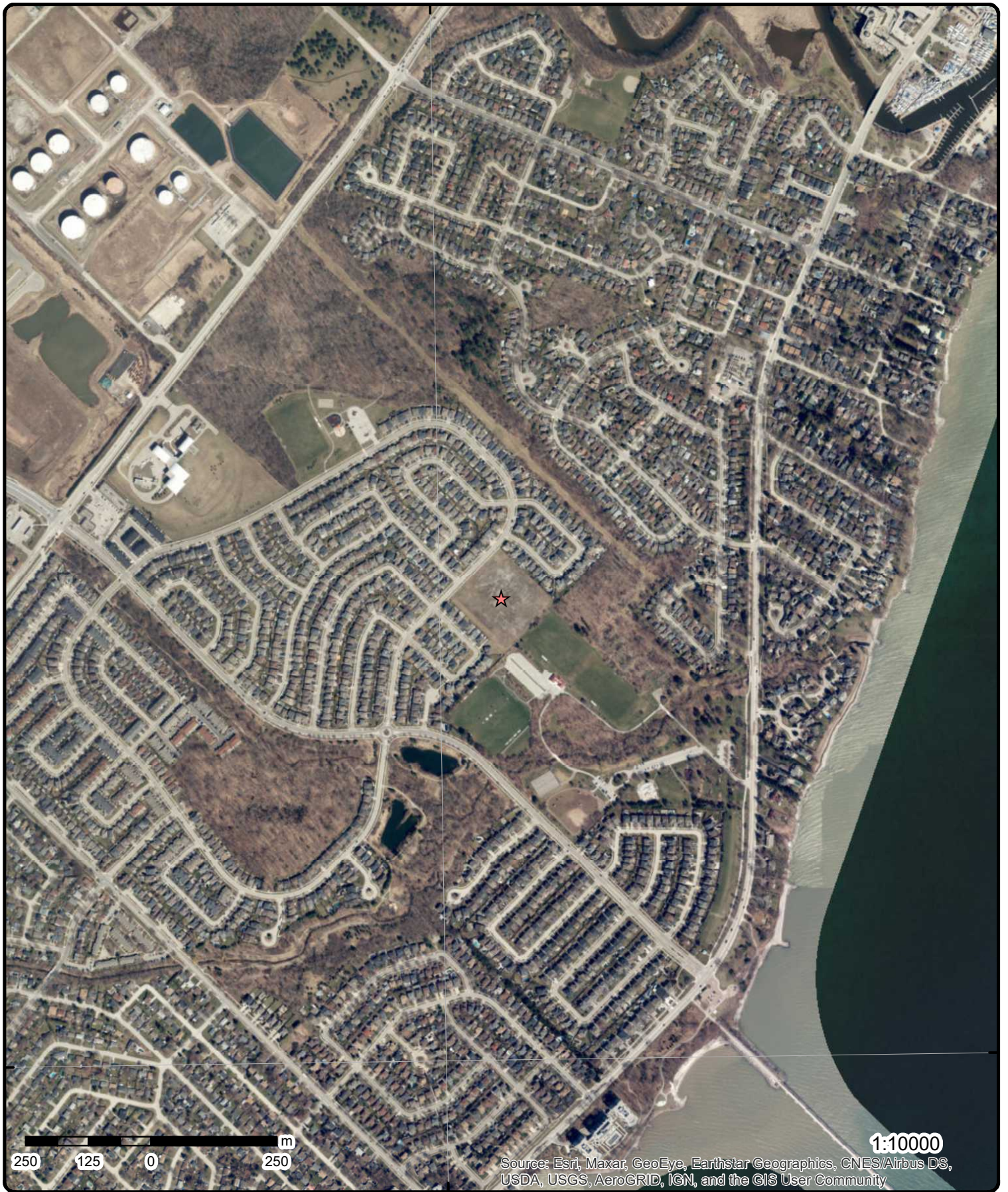
Order Number: 21062200079

Address: 193 Nautical Boulevard, Oakville, ON



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

79°43'30"W



43°22'30"N

43°22'30"N

250 125 0 250 m

1:10000

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

Aerial Year: 2019

Order Number: 21062200079

Address: 193 Nautical Boulevard, Oakville, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

79°45'W

79°43'30"W

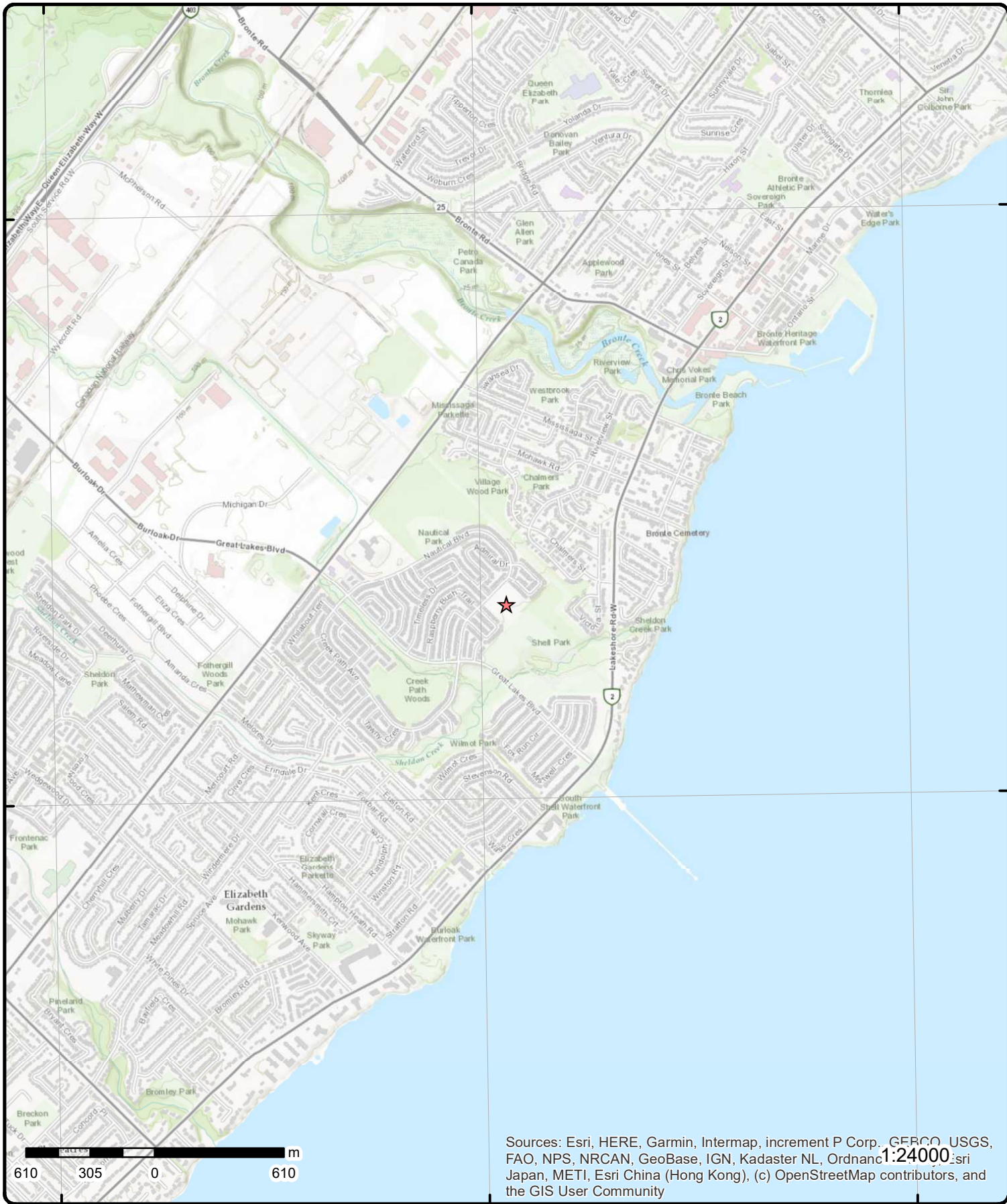
79°42'W

43°24'N

43°24'N

43°22'30"N

43°22'30"N



Topographic Map

Address: 193 Nautical Boulevard, ON

Source: ESRI World Topographic Map

Order Number: 21062200079



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>1</p> <p>RSC ID: 111127</p> <p>RA No:</p> <p>RSC Type:</p> <p>Curr Property Use: Industrial</p> <p>Ministry District: OAKVILLE</p> <p>Filing Date: 9-Jun-11</p> <p>Date Ack:</p> <p>Date Returned:</p> <p>Restoration Type:</p> <p>Soil Type:</p> <p>Criteria:</p> <p>CPU Issued Sect 1686: No</p> <p>Asmt Roll No: 2401-020-270-51020-0000</p> <p>Prop ID No (PIN): 24752-2107 (LT)</p> <p>Property Municipal Address: Oakville, No municipal address available</p> <p>Mailing Address: Suite 300, 30 FLORAL PKY, CONCORD, ON, L4K 4R1</p> <p>Latitude & Longitude: 43.38319210N 79.72371000W (converted from UTM)</p> <p>UTM Coordinates: NAD83 17-603380-4804160</p> <p>Consultant:</p> <p>Legal Desc: BLK 220, PL 20M840, SAVE & EXCEPT PT 31, 20R17400; OAKVILLE. S/T EASE HR166622 OVER PT 41, 20R14917.</p> <p>Measurement Method: Digitized from a satellite image</p> <p>Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for Residential/Parkland/Institutional property use</p> <p>RSC PDF:</p>	<p>1 of 1</p>	<p>WSW/21.0</p>	<p>84.8 / 0.00</p>	<p>New Province Homes Ltd. Oakville, No municipal address available ON</p> <p>Cert Date: 3-May-11</p> <p>Cert Prop Use No: No CPU</p> <p>Intended Prop Use: Institutional</p> <p>Qual Person Name: Darren Steedman</p> <p>Stratified (Y/N):</p> <p>Audit (Y/N):</p> <p>Entire Leg Prop. (Y/N): Yes</p> <p>Accuracy Estimate: 21 to 100 meters</p> <p>Telephone: 905-6695571x5239</p> <p>Fax: 905-6692134</p> <p>Email: dsteedman@metrusdev.com</p>	<p>RSC</p>
<p>2</p> <p>Approval No: 6745-5WNLQR</p> <p>Approval Date: 2004-03-02</p> <p>Status: Approved</p> <p>Record Type: ECA</p> <p>Link Source: IDS</p> <p>SWP Area Name: Halton</p> <p>Approval Type: ECA-Municipal Drinking Water Systems</p> <p>Project Type: Municipal Drinking Water Systems</p> <p>Business Name: New Province Homes Ltd.</p> <p>Address:</p> <p>Full Address:</p> <p>Full PDF Link:</p>	<p>1 of 7</p>	<p>NNE/24.4</p>	<p>84.8 / 0.00</p>	<p>New Province Homes Ltd. Oakville ON L4K 3S3</p> <p>MOE District: Halton-Peel</p> <p>City:</p> <p>Longitude: -79.7234</p> <p>Latitude: 43.383500000000005</p> <p>Geometry X:</p> <p>Geometry Y:</p>	<p>ECA</p>
<p>2</p> <p>Approval No: 1486-57YU3W</p>	<p>2 of 7</p>	<p>NNE/24.4</p>	<p>84.8 / 0.00</p>	<p>New Province Homes Ltd. Oakville ON L4K 3S3</p> <p>MOE District: Halton-Peel</p>	<p>ECA</p>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Date:	2002-04-23			City:	
Status:	Approved			Longitude:	-79.7234
Record Type:	ECA			Latitude:	43.383500000000005
Link Source:	IDS			Geometry X:	
SWP Area Name:	Halton			Geometry Y:	
Approval Type:	ECA-Municipal and Private Water Works				
Project Type:	Municipal and Private Water Works				
Business Name:	New Province Homes Ltd.				
Address:					
Full Address:					
Full PDF Link:					

2	3 of 7	NNE/24.4	84.8 / 0.00	New Province Homes Ltd.	ECA
				Oakville ON L4K 3S3	
Approval No:	0226-57YT9E			MOE District:	Halton-Peel
Approval Date:	2002-04-23			City:	
Status:	Approved			Longitude:	-79.7234
Record Type:	ECA			Latitude:	43.3835
Link Source:	IDS			Geometry X:	
SWP Area Name:	Halton			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	New Province Homes Ltd.				
Address:					
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1260-57GKUV-14.pdf				

2	4 of 7	NNE/24.4	84.8 / 0.00	New Province Homes Ltd.	ECA
				Oakville ON L4K 4R1	
Approval No:	5869-7X8NH2			MOE District:	Halton-Peel
Approval Date:	2009-10-28			City:	
Status:	Approved			Longitude:	-79.7234
Record Type:	ECA			Latitude:	43.3835
Link Source:	IDS			Geometry X:	
SWP Area Name:	Halton			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	New Province Homes Ltd.				
Address:					
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8459-7X3PEZ-14.pdf				

2	5 of 7	NNE/24.4	84.8 / 0.00	New Province Homes Ltd.	ECA
				Block 85, Plan20M-964	
				Oakville ON L4K 3S3	
Approval No:	1697-7KQPLR			MOE District:	Halton-Peel
Approval Date:	2008-10-29			City:	
Status:	Approved			Longitude:	-79.7234
Record Type:	ECA			Latitude:	43.3835
Link Source:	IDS			Geometry X:	
SWP Area Name:	Halton			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	New Province Homes Ltd.				
Address:	Block 85, Plan20M-964				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Full Address:					
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2252-7KLL63-14.pdf					
2	6 of 7	NNE/24.4	84.8 / 0.00	New Province Homes Ltd. Oakville ON L4K 3S3	ECA
Approval No: 3433-55DQ8R					
Approval Date: 2002-05-06					
Status: Approved					
Record Type: ECA					
Link Source: IDS					
SWP Area Name: Halton					
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS					
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS					
Business Name: New Province Homes Ltd.					
Address:					
Full Address:					
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6020-557PQM-14.pdf					
2	7 of 7	NNE/24.4	84.8 / 0.00	New Province Homes Ltd. Oakville ON L4K 3S3	ECA
Approval No: 6024-5WNKTF					
Approval Date: 2004-03-02					
Status: Approved					
Record Type: ECA					
Link Source: IDS					
SWP Area Name: Halton					
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS					
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS					
Business Name: New Province Homes Ltd.					
Address:					
Full Address:					
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4726-5WGLKU-14.pdf					
3	1 of 1	W/80.8	85.5 / 0.62	Nautical Boulevard Oakville ON	EHS
Order No: 20130724038					
Status: C					
Report Type: Standard Report					
Report Date: 02-AUG-13					
Date Received: 24-JUL-13					
Previous Site Name:					
Lot/Building Size:					
Additional Info Ordered:					
Nearest Intersection:					
Municipality:					
Client Prov/State: ON					
Search Radius (km): .25					
X: -79.724461					
Y: 43.383449					
4	1 of 1	NW/97.0	85.6 / 0.80	192 Nautical Blvd. OAKVILLE ON L6L 6V6	HINC
External File Num: FS INC 0803-01279					
Fuel Occurrence Type: Pipeline Strike					
Date of Occurrence: 3/13/2008					
Fuel Type Involved: Natural Gas					
Status Desc: Completed - Causal Analysis(End)					
Job Type Desc: Incident/Near-Miss Occurrence (FS)					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Oper. Type Involved:		Construction Site (pipeline strike)			
Service Interruptions:		Yes			
Property Damage:		No			
Fuel Life Cycle Stage:		Transmission, Distribution and Transportation			
Root Cause:		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:Yes Human Factors:Yes			
Reported Details:					
Fuel Category:		Gaseous Fuel			
Occurrence Type:		Incident			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
County Name:		Halton			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					

<u>5</u>	1 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. LAKE ONTARIO OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
Ref No:	30620			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	1/31/1990			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:	POSSIBLE			Site Municipality:	14403
Nature of Impact:	Water course or lake			Site Lot:	
Receiving Medium:	WATER			Site Conc:	
Receiving Env:				Northing:	4804000.00
MOE Response:				Easting:	603500.00
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2/6/1990			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:	SHELL RESEARCH CTR- 5 GALCLEANING SOLVENT SPILLED TO WASTEWATER SYSTEM				
Contaminant Qty:					

<u>5</u>	2 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. 3415 LAKESHORE ROAD WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
Ref No:	39029			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	8/9/1990			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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
				Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Other Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/10/1990 Dt Document Closed: Incident Reason: MATERIAL FAILURE Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL RESEARCH CENTRE - 10 L OF CHLORINATED SOLVENT TO GROUND. Contaminant Qty:	

<u>5</u>	3 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
				Ref No: 39892 Site No: Incident Dt: 8/27/1990 Year: Incident Cause: ABOVE-GROUND TANK LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/27/1990 Dt Document Closed: Incident Reason: CORROSION Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL: 1 LITRE GASOLINE TO CONCRETE Contaminant Qty:	
				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	

<u>5</u>	4 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
				Ref No: 48909 Site No: Incident Dt: 4/8/1991 Year: Incident Cause: OTHER CAUSE (N.O.S.) Incident Event: Contaminant Code: Contaminant Name:	
				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/10/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL RESEARCH CENTRE - 90 L. GLYCOL TO SEPTIC SYSTEM.
Contaminant Qty:

Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 14403
Site Lot:
Site Conc:
Northing: 4804000.00
Easting: 603500.00
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

5	5 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
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Ref No: 50976
Site No:
Incident Dt: 5/22/1991
Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/22/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL RESEARCH -20 L. OVERFLOW OF GASOLINE AT HOLDING TANK, CONTAINED.
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 14403
Site Lot:
Site Conc:
Northing: 4804000.00
Easting: 603500.00
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

5	6 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. SHELL RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
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Ref No: 55400
Site No:
Incident Dt: 8/9/1991
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/9/1991 Dt Document Closed: Incident Reason: EQUIPMENT FAILURE Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL RESEARCH CENTRE - <23L SYNTHETIC CRUDE OIL TO CEMENT PAD; DRUM LEAK. Contaminant Qty:				Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	

<u>5</u>	7 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
Ref No: 55920 Site No: Incident Dt: 8/20/1991 Year: Incident Cause: OTHER CONTAINER LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: LAND / AIR Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/20/1991 Dt Document Closed: Incident Reason: EQUIPMENT FAILURE Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL RESEARCH CENTRE- 10 L GASOLINE TO ASPHALT FROM BARREL LEAK. Contaminant Qty:				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	

<u>5</u>	8 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
Ref No: 56284 Site No: Incident Dt: 8/28/1991 Year: Incident Cause: OTHER CONTAINER LEAK Incident Event: Contaminant Code:				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/28/1991 Dt Document Closed: Incident Reason: ERROR Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:				Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
SHELL RESEARCH CENTRE-2L LUB OIL ADDITIVE(LUBRIZOL9990B) ONTO GROUND.					

<u>5</u>	9 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. 3415 LAKESHORE WEST OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
Ref No: 71011 Site No: Incident Dt: 5/22/1992 Year: Incident Cause: CONTAINER OVERFLOW Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Surface Water Pollution Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 5/22/1992 Dt Document Closed: Incident Reason: ERROR Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
SHELL RESEARCH CENTRE: 1 L GASOLINE TO CONCRETE PAD & CATCH-BASIN.					

<u>5</u>	10 of 10	ENE/126.1	84.8 / -0.01	SHELL CANADA LTD. OAKVILLE RESEARCH CENTRE 3415 LAKESHORE ROAD WEST OAKVILLE TOWN ON	SPL
Ref No: 75292 Site No: Incident Dt: 6/25/1992 Year: Incident Cause: UNDERGROUND TANK LEAK Incident Event: Contaminant Code:				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: MCCR,MOE. Nearest Watercourse:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: CONFIRMED Nature of Impact: Soil contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/26/1992 Dt Document Closed: Incident Reason: EQUIPMENT FAILURE Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL-UNKNOWN QUANTITY GASOLINE TO GROUND FROM L.U.S.T.MCCR CONTACTED. Contaminant Qty:		Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 14403 Site Lot: Site Conc: Northing: 4804000.00 Easting: 603500.00 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:			

<u>6</u>	1 of 1	SSW/152.3	84.8 / 0.00	190 Alison Crescent, Oakville ON	PINC
Incident ID: 2685302 Incident No: 528898 Incident Reported Dt: Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Customer Acct Name: Incident Address: Tank Status: RC Established Task No: 3221888 Spills Action Centre: Fuel Type: Natural Gas Fuel Occurrence Tp: Pipeline Strike Date of Occurrence: 11/17/2010 0:00 Occurrence Start Dt: 2011/02/09 Operation Type: Construction Site (pipeline strike) Pipeline Type: Regulator Type: Summary: 190 Alison Crescent, Oakville - 1/2" Pipeline Hit Reported By: Devay, Lori - Union Gas Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Occurrence Desc: no locates Damage Reason: No notification made to the one call center Notes:		Fuel Category: Natural Gas Health Impact: No Environment Impact: No Property Damage: No Service Interrupt: Yes Enforce Policy: Yes Public Relation: No Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location: Method Details: E-mail			

<u>7</u>	1 of 1	SW/197.1	83.8 / -1.09	214 Alison Crescent, Oakville ON	PINC
Incident ID: 2698174 Incident No: 541716 Incident Reported Dt: Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Customer Acct Name: Incident Address: Tank Status: RC Established Task No: 3248805 Spills Action Centre: Fuel Type: Natural Gas Fuel Occurrence Tp: Pipeline Strike Date of Occurrence: 11/24/2011 0:00		Fuel Category: Natural Gas Health Impact: No Environment Impact: No Property Damage: No Service Interrupt: Yes Enforce Policy: Yes Public Relation: No Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Occurrence Start Dt:	2011/08/30			Method Details:	E-mail
Operation Type:		Construction Site (pipeline strike)			
Pipeline Type:					
Regulator Type:					
Summary:		214 Alison Crescent, Oakville - 1/2" Pipeline Hit			
Reported By:		Devay, Lori - Union gas			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
Occurrence Desc:		no locates			
Damage Reason:		Facility was not located or marked			
Notes:					

Unplottable Summary

Total: 10 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	New Province Homes Ltd.	Block 85, Plan20M-964	Oakville ON	
CA	New Province Homes Ltd.		Oakville ON	
CA	New Province Homes Ltd.		Oakville ON	
CA	New Province Homes Ltd.		Oakville ON	
GEN	SHELL CANADA LTD. (OUT OF BUS)	OAKVILLE REFINERY P.O. BOX 308	OAKVILLE ON	L6J 5A5
GEN	SHELL CANADA LTD	OAKVILLE REFINERY (SOIL BIODEGRADATION) PO BOX 308	OAKVILLE ON	L6J 5A5
GEN	SHELL CANADA LTD	OAKVILLE REFINERY (LANDFILL) PO BOX 308	OAKVILLE ON	L6J 5A5
HINC		TURNING LEAF ROAD, LOT 139	OAKVILLE ON	
REC	SHELL CANADA LTD	OAKVILLE REFINERY (LANDFILL) PO BOX 308	OAKVILLE ON	L6J 5A5
REC	SHELL CANADA LTD	OAKVILLE REFINERY (SOIL BIODEGRADATION) PO BOX 308	OAKVILLE ON	L6J 5A5

Unplottable Report

Site: *New Province Homes Ltd.*
Block 85, Plan20M-964 Oakville ON

Database:
CA

Certificate #: 1697-7KQPLR
Application Year: 2008
Issue Date: 10/29/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *New Province Homes Ltd.*
Oakville ON

Database:
CA

Certificate #: 5869-7X8NH2
Application Year: 2009
Issue Date: 10/28/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *New Province Homes Ltd.*
Oakville ON

Database:
CA

Certificate #: 6024-5WNKTF
Application Year: 2004
Issue Date: 3/2/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *New Province Homes Ltd.*
Oakville ON

Database:
CA

Certificate #: 8486-5P3JLH
Application Year: 2003

Issue Date: 7/7/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: SHELL CANADA LTD. (OUT OF BUS)
OAKVILLE REFINERY P.O. BOX 308 OAKVILLE ON L6J 5A5

Database:
GEN

Generator No: ON0005102
Status:
Approval Years: 86,87,88,89,90,92,93,94
Contam. Facility:
MHSW Facility:
SIC Code: 0019
SIC Description: OUT OF BUSINESS

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

Site: SHELL CANADA LTD
OAKVILLE REFINERY (SOIL BIODEGRADATION) PO BOX 308 OAKVILLE ON L6J 5A5

Database:
GEN

Generator No: A210406
Status:
Approval Years: 86
Contam. Facility:
MHSW Facility:
SIC Code: 002
SIC Description:

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

Site: SHELL CANADA LTD
OAKVILLE REFINERY (LANDFILL) PO BOX 308 OAKVILLE ON L6J 5A5

Database:
GEN

Generator No: A210407
Status:
Approval Years: 86
Contam. Facility:
MHSW Facility:
SIC Code: 002
SIC Description:

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

Site: TURNING LEAF ROAD, LOT 139 OAKVILLE ON

Database:
HINC

External File Num: FS INC 0609-02756
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 9/18/2006
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:Yes Human Factors:Yes

Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Halton
Approx. Quant. Rel:
Nearby body of water:

Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Site: SHELL CANADA LTD
OAKVILLE REFINERY (LANDFILL) PO BOX 308 OAKVILLE ON L6J 5A5

Database:
REC

Choice of Contact:

Site PO Box:
Mail Addr:
Co Admin:
Site Bldg:
Rec Op Div:
Rec Op Name:
Rec Div:
Receiver No: A210407
Company ID:
Province In: ONT
Province Out:
County Out:
Phone No: 4160000000
Facility Type: PRIV LANDFILL/SLUDGE FARM
Approval Yrs: 1986; 1987; 1988; 1989; 1990; 1992; 1993; 1994; 1995; 1996; 1997; 1998

Site: SHELL CANADA LTD
OAKVILLE REFINERY (SOIL BIODEGRADATION) PO BOX 308 OAKVILLE ON L6J 5A5

Database:
REC

Choice of Contact:

Site PO Box:
Mail Addr:
Co Admin:
Site Bldg:
Rec Op Div:
Rec Op Name:
Rec Div:
Receiver No: A210406
Company ID:
Province In: ONT
Province Out:
County Out:
Phone No: 4160000000
Facility Type: PRIV LANDFILL/SLUDGE FARM
Approval Yrs: 1986; 1987; 1988; 1989; 1990; 1992; 1993; 1994; 1995; 1996; 1997; 1998

1989 Receiver Manifest Details

Gen Dist: 100
Distname: ONTARIO
Gen Region Code: 00
Gen Region Office Name: **UNDEFINED*
Gen SIC: 3023
Naics1 Desc: PRE-ENG. METAL BLDG.
Waste Code: 211
Waste Class: AROMATIC SOLVENTS
No Wastes: 1
Quantity: 1234.1
Naics2 Desc:
Naics3 Desc:
Waste Type: ORGANIC NON-HALO.
Date From: 890101
Date To: 891231
Rec Date: 900419

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Dec 31, 2020

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Apr 2021

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-Apr 30, 2021

Drill Hole Database:

Provincial [DRL](#)

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial [DTNK](#)

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011-Apr 30, 2021

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-Apr 30, 2021

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- Apr 30, 2021

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-Jan 31, 2021

Environmental Issues Inventory System:

Federal [EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities:

Provincial **EXP**

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

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

Government Publication Date: Jul 31, 2020

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Apr 2021

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

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

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

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

Government Publication Date: 1986-Apr 30, 2021

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 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

[MNR](#)

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

Government Publication Date: 1846-Dec 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, 2019

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, 2021

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-Feb 28, 2021

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994-Apr 30, 2021

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-Apr 30, 2021

Pipeline Incidents:

Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Apr 30, 2021

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2018

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 2021

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Aug 2020

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011-Apr 30, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Apr 30, 2021

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

Aerial Photographs

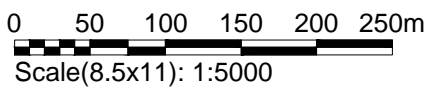


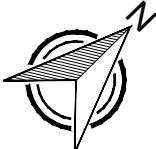



SITE LOCATION



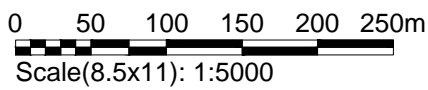
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Ph. (905) 639-2552



<p>CLIENT Halton District School Board</p>	<p>TITLE 1961 Aerial Photograph</p>	
<p>PROJECT Phase I ESA</p>	<p>Reviewed By TJJ</p>	 
<p>SITE 193 Nautical Boulevard Oakville, Ontario</p>	<p>Designed By MFG</p>	
	<p>Drawn By TXS</p>	
	<p>Date July 2021</p>	
	<p>Project No. 49485-200</p>	
	<p>Appendix C</p>	



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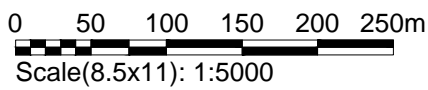


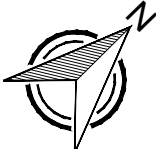

CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

TITLE		1973 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
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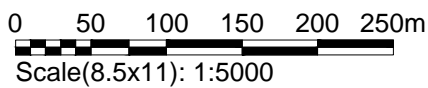
<p>CLIENT Halton District School Board</p>	<p>TITLE 1985 Aerial Photograph</p>	
<p>PROJECT Phase I ESA</p>	<p>Reviewed By TJJ</p>	 
<p>SITE 193 Nautical Boulevard Oakville, Ontario</p>	<p>Designed By MFG</p>	
	<p>Drawn By TXS</p>	
	<p>Date July 2021</p>	
	<p>Project No. 49485-200</p>	
<p>Appendix C</p>		



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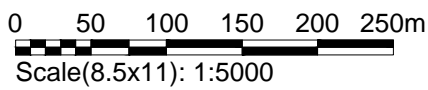


CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

TITLE		1995 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
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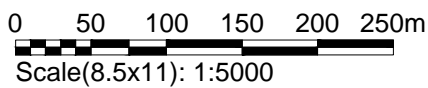


CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

TITLE		1999 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
Appendix	C		



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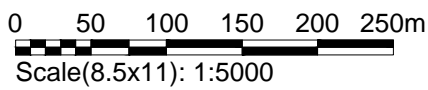


CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

TITLE	2002 Aerial Photograph	
Reviewed By	TJJ	
Designed By	MFG	
Drawn By	TXS	
Date	July 2021	
Project No.	49485-200	
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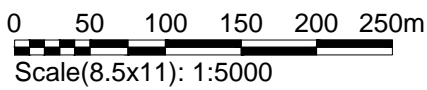


CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

TITLE		2006 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
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CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

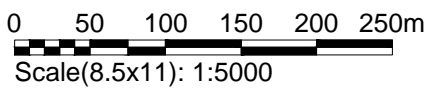
TITLE		2008 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
Appendix	C		



SITE LOCATION

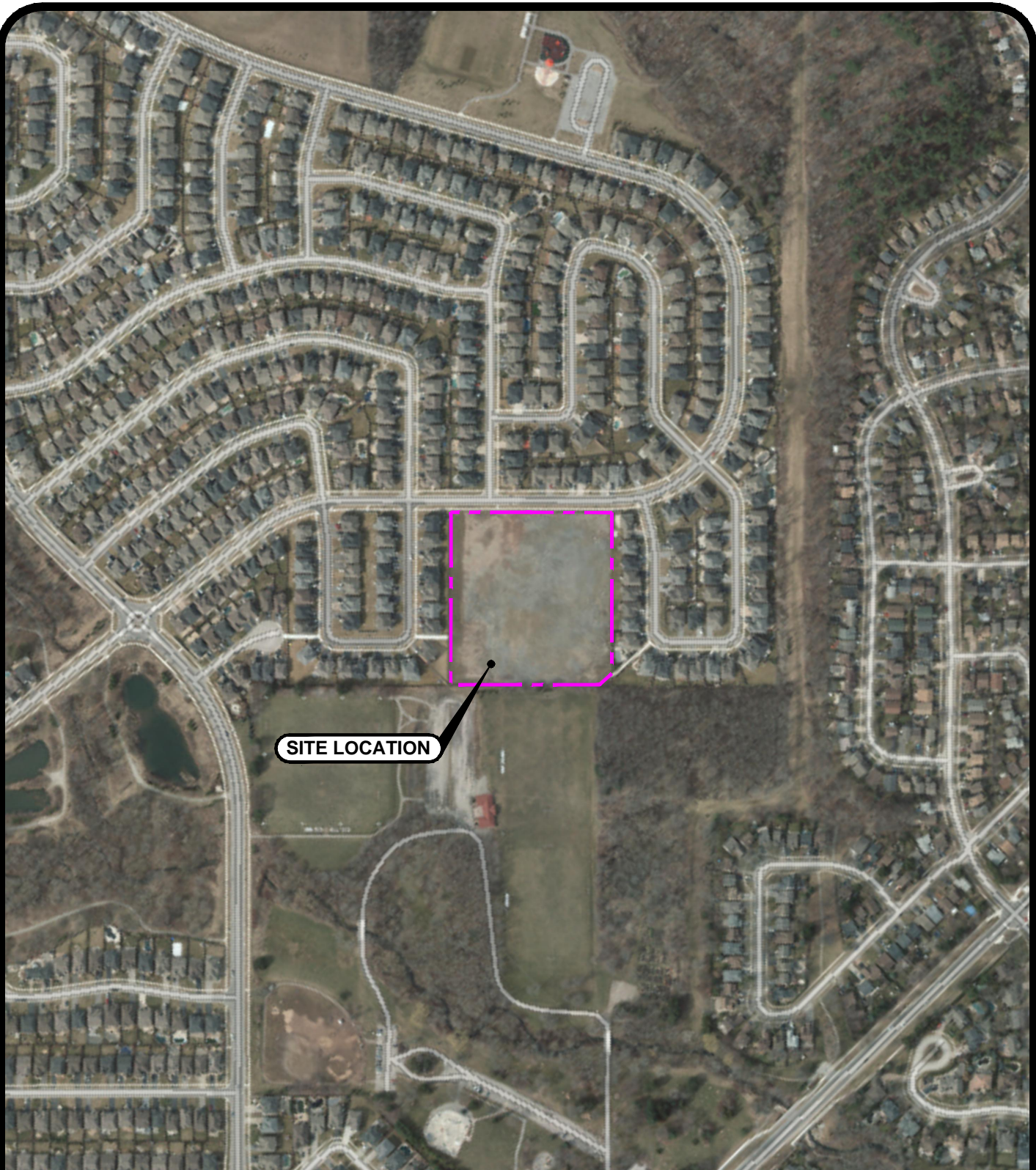


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CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

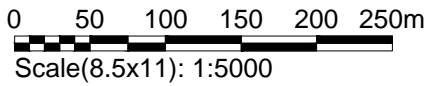
TITLE		2010 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
Appendix	C		



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CLIENT	Halton District School Board
PROJECT	Phase I ESA
SITE	193 Nautical Boulevard Oakville, Ontario

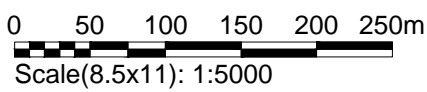
TITLE		2012 Aerial Photograph	
Reviewed By	TJJ	 NORTH	 PROJECT NORTH
Designed By	MFG		
Drawn By	TXS		
Date	July 2021		
Project No.	49485-200		
Appendix	C		

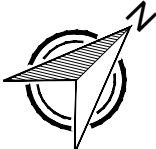



SITE LOCATION



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Ph. (905) 639-2552



<p>CLIENT Halton District School Board</p>	<p>TITLE 2019 Aerial Photograph</p>	
<p>PROJECT Phase I ESA</p>	<p>Reviewed By TJJ</p>	 
<p>SITE 193 Nautical Boulevard Oakville, Ontario</p>	<p>Designed By MFG</p>	
	<p>Drawn By TXS</p>	
	<p>Date July 2021</p>	
	<p>Project No. 49485-200</p>	<p>Appendix C</p>

Appendix C

Site and Inspection Records



Site Address:

193 Nautical Blvd, outside

MTE File No.:

49885-200

Date/Time:

28 June, 2021 / 8:30am

MTE Representative:

Zachary Thomson

Name of Site Contact:

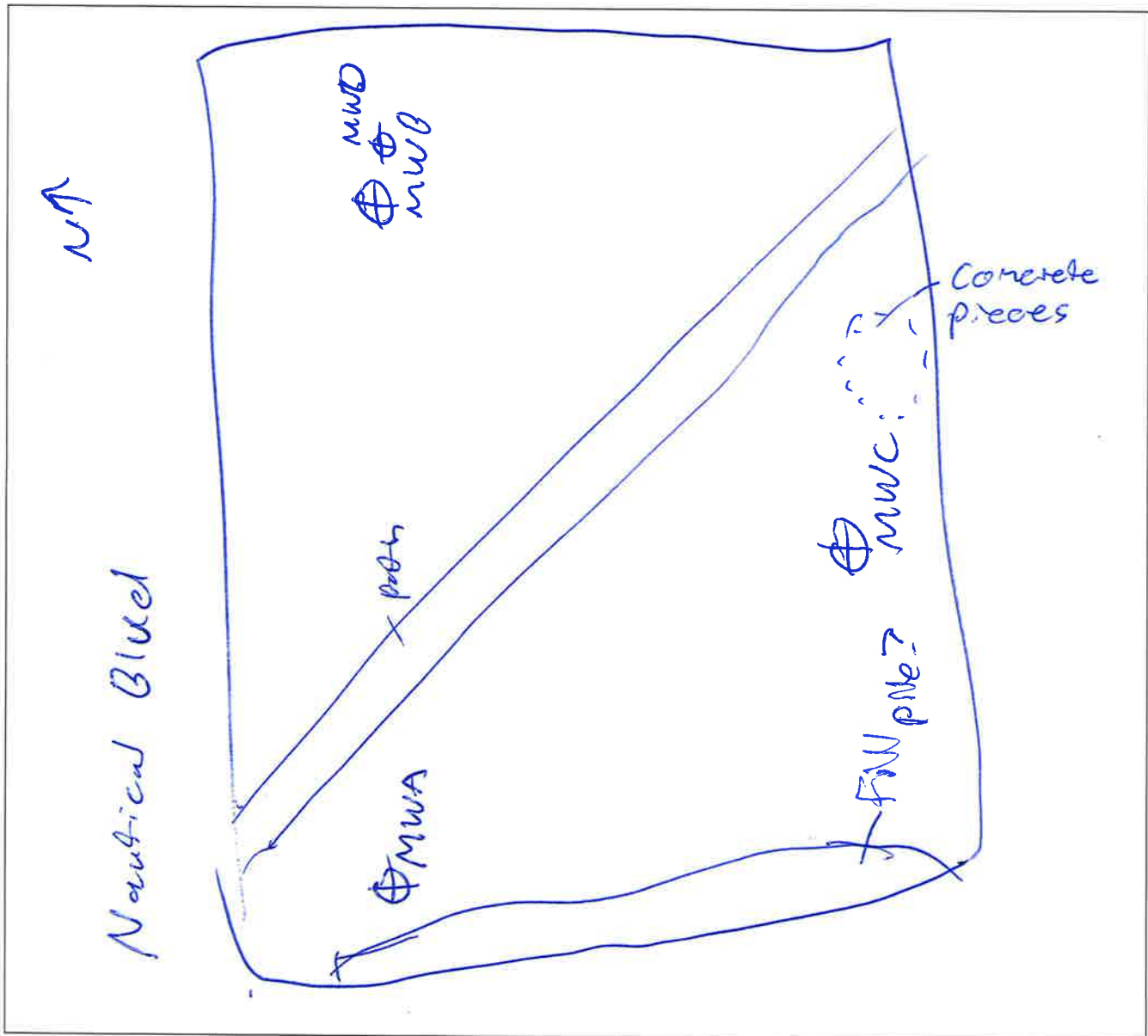
Weather Conditions:

25ac, Clear

Environmental Site Assessment Inspection Form

Section 1: Site Setting, Occupant Information, and Operations

Provide a sketch in the space below (or attach a site plan) showing topographic conditions and locations of structures, fuel storage tanks, watercourses, ditches, standing water, parking facilities, evidence of asphalt or floor repairs, roads, rights-of-way, and lagoons on or adjacent to the Site.





1.1 Who is/are the current occupant(s)/tenant(s) of the Site?

Provide a brief description of operations and housekeeping observed during the inspection.

Vacant

1.2 What is the current type of property use (check all that apply)?

- Commercial use
- Community use
- Institutional use
- Agricultural or other use
- Industrial use
- Residential use
- Parkland use
- Vacant (confirm last known use)

1.3 Was any evidence observed of the following operations at the Site?

- | | | |
|--|------------------------------|--|
| Agricultural / Potential Pesticide Use | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Bulk liquid dispensing (e.g., gasoline outlet) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Dry Cleaning (Depot or Facility) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Machine Shop | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Manufacturing | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Rail yards, tracks and spurs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Vehicle maintenance or repairs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Waste Treatment, Disposal, or Recycling | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

Section 2: Building Information and Special Attention Items

2.1 Are there existing buildings at the Site?

- Yes
- No

If yes, list the existing buildings and describe observed uses, construction type, additions, etc.



2.2 Was any evidence observed of loading docks or shipping/receiving bays?

Yes No

If yes, describe.

2.3 Was any evidence observed of pits or other similar floor openings or depressions?

Yes No

If yes, describe.

2.4 Was any evidence observed of heating systems associated with the building(s)?

Yes No

Fuel source: Natural Gas Fuel Oil Electric Other (describe below)

2.5 Was any evidence observed of mould/water damage or roof leaks in the building(s)?

Yes No

If yes, describe.

2.6 Was any evidence noted of odours or other concerns related to indoor air quality?

Yes No

If yes, please describe.



2.7 Was any evidence observed of the following suspected asbestos-containing material?

- Building Insulation Yes No
- Transite wall board, siding, or roof panels Yes No
- Pipe Wrap/Insulation Yes No
- Boiler Insulation Yes No
- Tank Linings Yes No
- Ceiling Tiles Yes No
- Floor Tiles Yes No
- Plaster Yes No
- Expansion Joint Yes No
- Thermal Insulation Yes No
- Spray Fire-Proofing Yes No

If yes to any of the above, describe the location and condition.

2.8 Was any evidence observed of potential PCB-containing equipment, including transformers, florescent light ballasts/capacitors?

- Yes No

If yes, describe.

2.9 Was any evidence observed of potential lead-containing materials in the building(s), including interior/exterior paint or lead pipes?

- Yes No

If yes, describe.

2.10 Was any evidence observed of potential ozone-depleting substances (for example, refrigeration or air conditioning equipment in place before 1998)?

- Yes No

If yes, describe.



2.11 Was any evidence observed of potential UFFI-containing materials in the building(s)?

- Yes
- No

If yes, describe.

2.12 Was any evidence observed of potential major or persistent sources of noise and/or vibration, odours, or electric and magnetic fields (e.g., high voltage power lines)?

- Yes
- No

If yes, describe.

Section 3: Site Services

3.1 Was any evidence observed of the following site services (check all that apply)?

- | | | | |
|-----------------------------|--------------------------------------|--|--|
| Potable Water Supply | <input type="checkbox"/> Municipal | <input type="checkbox"/> Private Well | <input checked="" type="checkbox"/> None |
| Wastewater (sewage) system | <input type="checkbox"/> Municipal | <input type="checkbox"/> Septic System | <input checked="" type="checkbox"/> None |
| Stormwater management ponds | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Catch basins | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Electricity Service | <input type="checkbox"/> Underground | <input type="checkbox"/> Overhead | <input checked="" type="checkbox"/> None |
| Telecommunication Service | <input type="checkbox"/> Underground | <input type="checkbox"/> Overhead | <input checked="" type="checkbox"/> None |
| Natural Gas Service | <input type="checkbox"/> Underground | <input type="checkbox"/> None | |

If applicable, describe on-Site water supply wells (and any treatment systems) and/or septic systems.

3.2 Was any evidence observed of back-up generators or emergency power systems?

- Yes
- No

If yes, describe fuel source.



3.3 Was any evidence observed of potential drainage issues (e.g., floodplain, surface water ponding, flooding, etc.)?

- Yes No

If yes, describe.

Section 4: Site Operations

4.1 Was any evidence observed of hydraulic equipment (e.g., in-ground vehicle hoists, elevators, loading docks, cranes, presses, compactors) on the Site?

- Yes No

If yes, describe.

4.2 Was any evidence observed of equipment, vehicle or plant floor wash down at the Site?

- Yes No

If yes, describe.

4.3 Was any evidence observed of fires (e.g., building fires, waste incineration, brush fires, etc.)?

- Yes No

If yes, describe.

4.4 Was any evidence observed of dust control activities at the Site?

- Yes No

If yes, list dust control methods and products used.

4.5 Was any evidence observed of salt or any other de-icing chemical storage or application?

Yes No

If yes, describe product(s) observed, storage and application practices.

Section 5: Fuel Storage and Handling

5.1 Was any evidence observed of existing aboveground or underground fuel storage tanks observed at the Site?

Yes No

If yes, describe type and contents, any observations related to construction material, secondary containment, rusting, or surface spills, and any label information regarding capacity, year, spill containment type, etc.

5.2 Was any evidence observed of former aboveground or underground fuel storage tanks removed in the past (e.g., fill or vent pipes, copper fuel lines, boiler room pipe openings)?

Yes No

If yes, describe.

5.3 Was any evidence observed of fuel pumps or fueling systems on the Site?

Yes No

If yes, describe.

5.4 Was any evidence observed of jerry cans, drums or totes containing fuel/oil/lubricants?

Yes No

If yes, describe.



Section 6: Waste Oils, Chemicals, Liquid Wastes, Solid Wastes

6.1 Was any evidence observed of waste oils or liquid industrial wastes?

- Yes No

If yes, describe locations of waste oil tanks or drums, and any evidence of spills or leaks.

[Empty text box for response to 6.1]

6.2 Was any evidence observed of oil-water separators, sumps, and/or floor drains at the Site?

- Yes No

If yes, describe location, suspected source of incoming liquid, and effluent discharge location.

[Empty text box for response to 6.2]

6.3 Was any evidence observed of chemicals, solvents, unidentified substances, or hazardous materials (e.g. mercury or nuclear gauges) stored or used at the Site, including washbasins?

- Yes No

If yes, provide an inventory of substances, obtain copies of Safety Data Sheets (SDS) where available, and describe usage and storage practices.

[Empty text box for response to 6.3]

6.4 Was any evidence observed of the following solid waste storage practices?

- Refuse dumpsters/bins Yes No
- Recycling dumpsters/bins Yes No
- Drums Yes No
- Waste piles Yes No
- Illegal dumping Yes No
- Surface impoundment Yes No
- Scrap metals Yes No
- Batteries (non-household type) Yes No
- Other Yes No

If yes to any of the above, describe storage practices and locations on the Site.

Small concrete pile located in southern portion of site



6.5 Was any evidence observed of past placement of solid waste or soil (fill, gravel, topsoil, etc.) including stockpiles?

Yes No

If yes, describe suspected purpose (e.g., grading, filling low areas, berms, etc.).

Entire site seems to be graded with fill.
↳ Large potential fill mound along western boundary of site

Section 7: Spills

7.1 Was any evidence observed of spills (e.g., chemical, oil), discharges of contaminants at the Site, or run-off from adjacent properties, including staining, stressed vegetation, etc.?

Yes No

If yes, describe.

Section 8: Environmental Compliance

8.1 Was any evidence observed of contaminant discharges from the Site to the natural environment (e.g., stack emissions, fugitive air emissions)?

Yes No

If yes, describe emissions contaminants, type, and operations.

8.2 Was any evidence observed of existing wells on the Site (e.g., water supply wells, monitoring wells, gas wells)?

Yes No

If yes, describe, including reference to available online well records.

Section 9: Study Area

- 9.1 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the north of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

Residential - Various

- 9.2 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the east of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

Res - Various

- 9.3 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the south of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

Shell Park (Park land)

- 9.4 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the west of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

Res - Various

- 9.5 Was any evidence observed of water bodies, wetlands, or potential environmentally sensitive areas within 30 metres of the Site?

Yes No

If yes, describe.



Section 10: Additional Information

10.1 Were there any limitations to the inspection (e.g., snow cover, inaccessible areas, inaccessible roof, locked rooms, etc.)?

- Yes No Unknown

If yes, describe.

10.2 Do you have any additional comments pertaining to the Site (environmental, operations, historical information)?

- Yes No

If yes, describe.

Signature of MTE Representative:

Project Name: 193 Nautical Blvd		MTE File No.:	
Designer:	Drawn By:	Date: 28 June 2021	Metric Scale: Pg. of
Subject:		Reference:	

MWA

W.L. 4.087 mb top

Screen
 Bottom 6.905 mb top
 Top ~~3.93~~ mb top
 3.936 mb top

Stick up ~ 0.79 m ~~top~~

Well condition good → casing top broken.
 Water tubing in well. 2 in well

MWB

W.L. 4.271 mb top

Screen
 Bottom ~~6.07~~ mb top 2.01 mb top
 Top 3.952 mb top
 Stick up 0.445 m

Water in well
 Casing doesn't close 2 in well

MWD

W.L. 4.09 mb top
~~4.52~~ mb top
 7.22 mb top Screen

No stick up casing 2 in well
 Stick up 0.88 m

MWC

W.L. 3.749 mb top
 5.640 mb top - bottom
 2.428 mb top - top of screen
 Stick up 0.44 m

No J. plug

Appendix D

Site Photographs





Photograph No. 1 – View facing northwest of the Site from the southeast corner. The southern monitoring well is circled in red.



Photograph No. 2 – View facing north of the Site from the southeast corner.



Photograph No. 3 – View facing west of the Site from the southeast corner. The southern monitoring well is circled in red.



Photograph No. 4 – View facing south of the Site from Nautical Boulevard.



Photograph No. 5 – View facing southwest of the Site from the northern portion. The northwest monitoring well is circled in red.



Photograph No. 6 – View of the typical ground surface at the Site.



Photograph No. 7 – View of concrete pieces observed within the southern portion of the Site.



Photograph No. 8 – View of the transformer in the northwest corner of the Site.