



Phase 1 Environmental Site Assessment
5558 Drummond Road
and North Portion of 6141 North Street
Niagara Falls, Ontario
L2G 4L3

Prepared for:

Mr. Rob Mills
Blythwood Homes
5-3483 Portage Road
Niagara Falls, Ontario
L2J 2K5

File: 24302

October 2024

EXECUTIVE SUMMARY

Landtek Limited (Landtek) is pleased to submit this Phase 1 Environmental Site Assessment (ESA) report for the property located at 5558 Drummond Road and north portion of 6141 North Street in Niagara Falls, Ontario (the Site). The work was initiated following authorization to proceed from Mr. Rob Mills of Blythwood Homes. (the Client) in October 2024.

The Phase 1 ESA was completed in general accordance with the requirements described in CSA Standard Z768-01. Sampling and chemical analysis of soil, groundwater, and/or other materials was not carried out as part of this Phase 1 ESA. This assessment was completed with the understanding that a Record of Site Condition (RSC) is **not** required and therefore the requirements of Ontario Regulation 153/04 (as amended) were not performed

FINDINGS

The following summary outlines the findings of the Phase 1 ESA:

- The Site is located approximately 60 m north of the intersection of Drummond Road and North Street in Niagara Falls surrounded by residential houses and apartment complexes;
- The Site is irregular in shape and is bound by residential properties to the north, south, and east; and, Drummond Road to the west (followed by multi-tenant apartment complexes);
- Based on a review of historical information sources (i.e., aerial photographs, environmental database searches, physical setting sources, and a Site reconnaissance), aside from the presence of stockpiled fill material, no Site listings or activities or adjacent and/or neighbouring properties are considered to represent potential environmental concerns to the Site;
- Based on a review of aerial photographs, the Site had been a vacant undeveloped lot and/or used for agricultural purposes until the 1930s, the Site was then developed for residential purposes circa 1965.
- At the time of the Landtek's Site visit the Site consisted of a vacant grass covered parcel of land with no buildings and/or structures present; and,.
- No observed evidence of fill pipes, breather pipes or ground depressions that may indicate the presence of any UST's.
- In October 2021, five (5) boreholes were drilled to depths of up to 6.0 m below ground surface (bgs), and were established based on the subsurface conditions. No groundwater monitoring wells were installed as part of this investigation.
 - Soil samples tested for metal 7 inorganic parameters were below the applicable O. Reg. 153/04 Table 3 SCS in a Non-Potable Ground Water Condition for coarse grained soils and Residential/Parkland/Institutional property use in accordance with O. Reg. 153/04.

RECOMMENDATIONS

Based on the results of the Phase 1 ESA completed for the Site, no significant environmental concerns were identified with the Site

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1.0 INTRODUCTION

Landtek Limited (Landtek) is pleased to submit this Phase 1 Environmental Site Assessment (ESA) report for the property located at 5558 Drummond Road and north portion of 6141 North Street in Niagara Falls, Ontario (the Site), as shown on **Figure 1** below. The work was initiated following authorization to proceed from Mr. Rob Mills of Blythwood Homes. (the Client) in October 2024.

The Phase 1 ESA was completed in accordance with the requirements described in CSA Standard Z768-01. Sampling and chemical analysis of soil, groundwater, and/or other materials was not carried out as part of this Phase 1 ESA.

2.0 SITE DESCRIPTION

The Site is located approximately 60 m north of the intersection of Drummond Road and North Street in Niagara Falls, is 3,850m² and is vacant land surrounded by residential houses and apartment complexes;

The Site is irregular in shape and is bound by residential properties to the north, south, and east; and Drummond Road to the west (followed by multi-tenant apartment complexes);




 Groundwater flow direction

FIGURE 1: Location of Site

3.0 **RECORDS REVIEW**

3.1 **Historical Maps**

A historical map of the Township of Drummondville dated 1875 was reviewed and the relevant portion is presented in **Appendix B**. Information attained from this map indicates that the area of the subject site is identified as the Lands of Falls Company and appears to have been used as agricultural land with an adjacent place of worship (church).

3.2 **Aerial Photographs**

Aerial photographs of the Site were obtained from EcoLog ERIS and the Niagara Peninsula Conservation Authority. The photographs are presented in **Appendix B** and the findings are summarized as follows:

Table 1: Aerial Photograph and Topographical Map Descriptions

Year	Type	Study Site	Surrounding Lands
1875	County Atlas	County atlas shows the Site was vacant	The surrounding land use appears to be agricultural and/or estate properties.
1915	Topo	The Site is vacant.	Area largely agricultural. Drummond Road has been constructed.
1928	Topo	No significant changes from 1915	No significant changes from 1915.
1934	AP	Site appears to be agricultural.	Surrounding lands appear to be used for agricultural practices. There is some sparse residential development.
1954	AP	Site appears to be residential in nature.	Surrounding area is mostly residential with some agricultural properties and parkland. Highway 420 is constructed.
1960	AP	Site appears to be vacant	Increased residential development. More densely populated. Some parkland has been developed into commercial land use.
1975	AP	Building present on Site	No significant changes from 1960
1983	AP	Consistent with above.	Increased residential development. More densely populated. Some parkland has been developed into commercial land use.
1995	AP	Consistent with above.	Consistent with above.
2004	AP	Consistent with above.	Consistent with above.
2018	AP	Consistent with above.	Consistent with above.
2024	AP	Site is vacant	Consistent with above.

Notes

Topo: Topographic map

AP: Aerial photograph

3.3 **Fire Insurance Plans and Underwriter's Reports**

A request was placed with EcoLog ERIS for available fire insurance plans (FIPs) and/or underwriter's reports for the Site and/or the adjacent / neighbouring properties. The search indicated that there were records available for the Site and/or for the surrounding properties.

Table 2: Fire Insurance Plans

Year	Study Site	Surrounding Lands
1932	The Site is a part of the Township of Stamford. There appears to be 1 mid-sized structure and 3 small structures on and/or partially on the Site.	Area appears to have minor residential and commercial development. (Service station) can be seen on Drummond and Prospect Street. The remaining areas were undeveloped at the time of this report. Based on the distance to the Site, this service station is not a concern.
1965	The plan outlines that the dwellings on and around the Site are “Mostly Frame”. However, the individual buildings are not identified.	The auto service center is present and visible at the intersection of Drummond and Prospect. Adjacent properties show Calvary Memorial Tabernacle and Legion Hall.

3.4 Site Occupancy Records

A City Directory search was available from Eco Log ERIS 1955 to 2023 were obtained. The City Directories contained the following listings for the Site and the immediately adjacent properties.

Table 3: City Directories

Property	Year	History
Site		
5558 Drummond Rd	1970-2023 1965	Residential No listing
6141 North St.	1970-2023 1965	Residential No listing
Adjacent properties		
5555 Drummond Rd	1970-2023 1960	Dahlia Garden Apt- residential No listing
5521 Drummond Rd	1970-2023 1960	Drummond Apt No listing
5595 Drummond Rd	2021-2023 2017	Residential No listing
6111-6151 North St.	1970-2023 1960	Residential No listing

A search of the city directories indicated that the Site and surrounding properties have been listed as residential since the early 1960s.

3.5 Regulatory Information

3.5.1 Environmental Risk Information Service (ERIS)

An Ecolog ERIS search provides information from federal, provincial and private source databases and was searched for information relating to the Site, and the adjoining and neighboring properties within the Study Area (250 m from the Site boundaries). The Ecolog ERIS report is presented in **Appendix C**. The available databases were searched to determine if the Site, adjoining and/or neighboring properties were listed and if the listing(s) relate to actual or potential environmental contamination to the Site.

No Provincial, Federal, and/or Private Records were available for the Site and a several records were listed for the 0.25 km search radius from ERIS. Based on the nature of the listing and the distance to the Site the environmentally significant database records are summarized as follows:

Table 4: Environmental Risk Information Service (ERIS)

Property Address	Distance (m) /Direction to Site	Database / Source of Information	Details
6172 Prospect St.	78 m NE	Pipeline incident	Natural Gas Pipeline Strike occurred in 2012 due to insufficient excavation practices.
5555 Drummond Rd	93 m west	O. Reg. 347 Waste Generator	Registered as a generator of Oil Skimmings and Sludge in 2016.
5470 Drummond Rd	133 m NE	Delisted Expired Fuel Tank	Listed as an expired fuel facility with record of a 30,000 L storage tank
5470 Drummond Rd	133 m NE	O. Reg. 347 Waste Generator	Registered as a generator of Pathological and pharmaceutical waste in 2018-2021.
6147 Prospect St.	175 m north	Ontario Spills	In 2005 110 L of Hydraulic Oil was spilled to the ground and surface water.
6276 Frederica St. Marazzo Small Engine Repair	178 m west Northwest	O. Reg. 347 Waste Generator	From 1995 to 2001 this property was registered as a generator of Waste Oils and Lubricants.
5775 Drummond Road Niagara South Board of Education	184 m south southwest	O. Reg. 347 Waste Generator	From 1986 to 2021 this property was as registered generator of Inorganic Laboratory chemicals, Aliphatic Solvents, Petroleum distillates, Waste Oils & Lubricants, Emulsified Oils, Organic Laboratory Chemicals, and Acid Waste – Heavy Metals
Various	Various	Boreholes (Geotechnical investigations)	Borehole Information describes the Pavement structure as 245 mm Asphaltic concrete over 80mm of Granular 'A' crushed Limestone. Underlain by silty fill – loose, brown, trace clay and sand with pockets of dark topsoil and brick material. Followed by compact reddish-brown silt, trace sand, clay, and gravel. Static water level was found at 5.5 M

Based on the Ecolog ERIS records review, no Site listings and/or adjacent property listings were anticipated to represent environmental concerns to the Site.

3.5.2 Ministry of the Environment, Conservation and Parks(MOE)

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

A response to the above noted request was not received at the time of report preparation. If the response contains relevant environmental information relating to the Site, an addendum to this report will be issued.

3.6 Geological Data and Groundwater

The following information sources were reviewed to determine the nature of the subsurface strata and local topography: 1) Quaternary Geology Ontario of Niagara Area, Geology Map 764, Ontario Geological Survey, 1991 2). Bedrock Geology of Ontario, Southern Sheet; May 2544, Ontario Geological Survey, 1991 3) "Bedrock Topography of the Niagara and Niagara-On-The-Lake Area", Map 2400 by the Ontario Geological Survey, 1981; and, 4) 2009 Topographic Map by the Ontario Ministry of Natural Resources.

Available geologic information indicates that the subsurface soil conditions in the area of the site consist of Lake Warren and younger pre-Iroquois stratified silty very fine to gravelly sands. underlain by Sandstone, Shale, Dolostone and Siltstone of the Guelph and Lockport Formation. General Topography of the area shows a gradual slope to the north along with ground/surface water flowing northeast via a manmade Hydro Canal.

There is no indication that there are significant depths of fill on the property associated with old landforms such as ravines or significant watercourses.

Geologic map data and regional ground surface topography indicates that the predominant inferred groundwater flow direction is expected to be in a Northeasterly direction towards the Niagara River, via a canal. Ultimately, draining into Lake Ontario.

The Site is located approximately 2 km west of the Niagara River Bedrock Gorge, a provincial Area of Natural and Scientific Interest (ANSI).

3.7 Previous Environmental Reports and Additional Information

The following environmental reports have been complete by Landtek for the Site:

- Phase 1 Environmental Site Assessment, 5558 Drummond Road Niagara Falls, Ontario prepared for Blywood Homes dated October 2021 Ref# 21333

Phase 1 Environmental Site Assessment (ESA) report for the property located at 5558 Drummond Road in Niagara Falls, Ontario. The Site is located approximately 60 m north of the intersection of Drummond Road and North Street in Niagara Falls, is 0.33 ha and is vacant land surrounded by residential houses and apartment complexes.

- Based on a review of historical information sources (i.e., aerial photographs, environmental database searches, physical setting sources, and a Site reconnaissance), aside from the presence of stockpiled fill material, no Site listings or activities or adjacent and/or neighbouring properties are considered to represent potential environmental concerns to the Site;
- The Site had been a vacant undeveloped lot and/or used for agricultural purposes until the 1930s, the Site was then developed for residential purposes (1930s to late 2010s), at which point the land was cleared and has remained a vacant lot;
- The Site consisted of a vacant grass covered parcel of land with no buildings and/or structures present; and,
- No evidence of chemical manufacturing/storage, above ground storage tanks (ASTs) or underground storage tanks (USTs) on the Site. There was no observed evidence of fill pipes, breather pipes or ground depressions that may indicate the presence of any UST's.

Based on Landtek's findings, the following issue of potential environmental concern was identified for the Site there was possible presence of fill of unknown quality on the Site.

Based on the results of the Phase 1 ESA completed for the Site, environmental concerns were identified and therefore, a Limited Phase 2 ESA should be completed to verify the soil conditions on the Site.

- Limited Phase 2 Environmental Site Assessment, 5558 Drummond Road Niagara Falls, Ontario prepared for Blywood Homes dated October 2021 Ref# 21333

Based on the Phase 1 ESA results, Landtek identified the following potential environmental concern for the Site there was the potential presence of fill of unknown quality on the Site.

In October 2021, a soil assessment was completed to assess potential shallow soil impacts at the Site. As part of a combined Environmental and Geotechnical, five (5) boreholes were drilled to depths of up to 6.0 m below ground surface (bgs). No groundwater monitoring wells were installed as part of this investigation.

In accordance with O. Reg. 153/04, the Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for coarse grained soils for Residential property use (O. Reg. 153/04 Table 3 SCS) were selected as the applicable standards for the Site.

Conclusions

Based on the testing completed during the course of this investigation, the findings of the Limited Phase 2 ESA are summarized as follows:

- Soil samples tested for metals & inorganic parameters were below the applicable O. Reg. 153/04 Table 3 SCS in a Non-Potable Ground Water Condition for coarse grained soils and Residential/Parkland/Institutional property use in accordance with O. Reg. 153/04.

Recommendations

Based on the above conclusions, no further work is required at this time.



4.0 **OBSERVED SITE CONDITIONS**

Landtek conducted a visual assessment of the Site on October 16, 2024. The following sections summarize the observed Site conditions. Photographs of typical Site conditions are shown in **Appendix D**.

4.1 **Site Uses and Structures**

The Site is vacant with no buildings and/or structures present and surrounded by residential properties.

4.2 **Site Specific Observations**

Observations of Site conditions were made during the Site reconnaissance and are summarized in the table below.

Table 5: Site Observations

Description	Reported and/ or Observed On-Site	Comments
Air emissions	No	None observed or reported.
Storage Tanks: ASTs	No	There was no observed evidence of fill pipes, breather pipes or ground depressions that may indicate the presence of any UST's.
Storage Tanks: USTs	No	Not identified during the Site visit.
Hazardous Substances and Petroleum Products	No	Not identified during the Site visit.
Hazardous Waste Management	No	Not identified during the Site visit.
Unidentified Substance Containers	No	Not identified during the Site visit.
Drums	No	Not identified during the Site visit.
Hydraulic Equipment	No	Not identified during the Site visit.
Fill Material	Yes	Shallow fill material identified during Ltd Phase 2 ESA. All samples met O.Reg. 153/04 Table 3 RPI
Wells	No	No wells were identified during the Site visit.
Drains, Sumps, Oil/Water Separators/Sand Traps	No	Not identified during the Site visit.
Stained Soil, Stained Pavement, corrosion to Pavement	No	Not identified during the Site visit.
Strong, Pungent, or Noxious Odors	No	Not identified during the Site visit.
Stressed Vegetation	No	Not identified during the Site visit.
Utilities (Electricity/ Natural Gas)	No	No water services were observed during the site visit.
Water Supply	No	No wastewater generation or services were observed to be present on site.
Wastewater	No	No septic systems were observed during the site visit.

Description	Reported and/ or Observed On-Site	Comments
Septic	Yes	Storm water drains via overland flow to the adjacent properties or infiltration.
Storm Water	No	Not identified during the Site visit.
Pits, Ponds, Lagoons	No	None observed or reported.

4.3 Hazardous Materials

The following sections summarize substances that are more likely to be found in construction materials and building equipment.

4.3.1 Asbestos Containing Materials (ACM's)

There were no buildings on site at the time of Landtek's site visit. Therefore, it can be assumed that ACM's are not a concern.

4.3.2 Lead

There were no buildings on site at the time of Landtek's site visit. Therefore, it can be assumed that Lead-based materials are not a concern.

4.3.3 Ozone Depleting Substances (ODS's)

No items suspected of containing ODS's were observed at the time of the Site inspection.

4.3.4 Polychlorinated Biphenyls (PCB's)

There were no transformers or fluorescent lights observed on Site.

4.3.5 Urea Formaldehyde Foam Insulation (UFFI)

UFFI was not observed during the visual Site inspection.

4.3.6 Microbial Contamination (Mould)

There were no buildings present at the time of Landtek's site visit. There were no obvious indications of mould growth at the time of Landtek's site visit. Therefore, it can be assumed that Microbial Contamination is not a concern.

4.3.7 Radon Gas

Radon (Rn222) is a naturally occurring inert, colorless, odorless radioactive gas derived from the decay of radium (R226). Radium occurs in geologic formations containing uranium, granite, shale, phosphate, or pitchblende and was commercially used in luminescent products. Radium decays into reactive, radioactive daughter particles that attach themselves to other particles such as dust and are a lung cancer risk. Radon can move through permeable rocks and soils and can eventually seep into buildings. The movement of radon into buildings is controlled largely by the

soil permeability under a foundation and access to the interior of buildings through openings in the foundation. Radon is heavier than air and is more likely to be present in sub-grade areas (including basements).

According to the Cross-Canada Survey of Radon Concentrations (March 2012) conducted by Health Canada, the site is located in the Niagara Region Health Unit, where 98 % of the tests conducted revealed radon levels below the Canadian Radon Guideline of 200 Bq/m³ (Health Canada). As such, the Site is located in an area of low radon potential.

4.4 Adjacent Site Conditions / Uses

Direction to Site	Details
North	Residential properties
East	Residential properties
South	Residential properties
West	Drummond Road followed by residential properties.

The inferred groundwater flow direction is expected to be in a northeasterly direction towards the Niagara River. The adjacent properties are not suspected to be of a concern to the site.

5.0 INTERVIEWS

An interview was conducted with Site representative regarding the current and historical Site conditions with the Site representative on October 16, 2023. The following is a summary of the information obtained:

- The Site has been vacant since 2020. Prior to that time Site was residential.
- No environmental concerns were known regarding the Site;
- No known spills or chemical storage,
- No ASTs and/or USTs are known to exist.

No environmental issues are known for the Site.

6.0 **SUMMARY OF FINDINGS**

The following summary outlines the findings of the Phase 1 ESA:

- The Site is located approximately 60 m north of the intersection of Drummond Road and North Street in Niagara Falls surrounded by residential houses and apartment complexes;
- The Site is irregular in shape and is bound by residential properties to the north, south, and east; and, Drummond Road to the west (followed by multi-tenant apartment complexes);
- Based on a review of historical information sources (i.e., aerial photographs, environmental database searches, physical setting sources, and a Site reconnaissance), aside from the presence of stockpiled fill material, no Site listings or activities or adjacent and/or neighbouring properties are considered to represent potential environmental concerns to the Site;
- Based on a review of aerial photographs, the Site had been a vacant undeveloped lot and/or used for agricultural purposes until the 1930s, the Site was then developed for residential purposes circa 1965.
- At the time of the Landtek's Site visit the Site consisted of a vacant grass covered parcel of land with no buildings and/or structures present; and,.
- No observed evidence of fill pipes, breather pipes or ground depressions that may indicate the presence of any UST's.
- In October 2021, five (5) boreholes were drilled to depths of up to 6.0 m below ground surface (bgs), and were established based on the subsurface conditions. No groundwater monitoring wells were installed as part of this investigation.
 - Soil samples tested for metal 7 inorganic parameters were below the applicable O. Reg. 153/04 Table 3 SCS in a Non-Potable Ground Water Condition for coarse grained soils and Residential/Parkland/Institutional property use in accordance with O. Reg. 153/04.

7.0 RECOMMENDATIONS

Based on the results of the Phase 1 ESA completed for the Site, no significant environmental concerns were identified with the Site.

8.0 QUALIFICATIONS OF ASSESSOR(S) AND CLOSURE

Qualifications

Senior review assessment work was conducted by Mr. Paul Blunt, P.Eng. who has conducted and supervised Environmental Site Assessments for more than 35 years. Mr. Blunt obtained a B.Sc. in Chemical Engineering from University of Windsor in 1987 and is a licensed Professional Engineer in the Province of Ontario. Mr. Blunt has conducted and supervised Phase I Environmental Site Assessments over 2500 environmental site assessments on a variety of agricultural, residential, industrial, commercial and industrial properties.

We trust that this report is satisfactory for your purposes at this time. If you have any questions, please do not hesitate to contact our office.

Yours truly,

LANDTEK LIMITED



Paul Blunt, P.Eng., QP_{ESA}

APPENDIX A
LIMITATION OF THE REPORT

APPENDIX A **Limitations of the Report**

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

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. The findings within this ESA utilized information that was practically reviewable per O. Reg. 153/04, meaning that only relevant data relating to the Site has been incorporated into the findings, disregarding extraordinary analysis of irrelevant data. The investigation conducted for this ESA was limited to data that was reasonably ascertainable, meaning that the information was publicly available, obtainable within the cost and time constraints under the scope of services for this project, and practically available.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and Site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this Site and surrounding properties. Landtek does not warrant against future operations or conditions, or against operations or conditions present of a type or at a location not investigated.

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

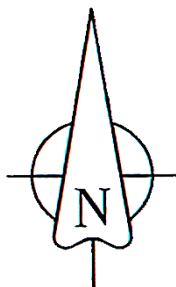
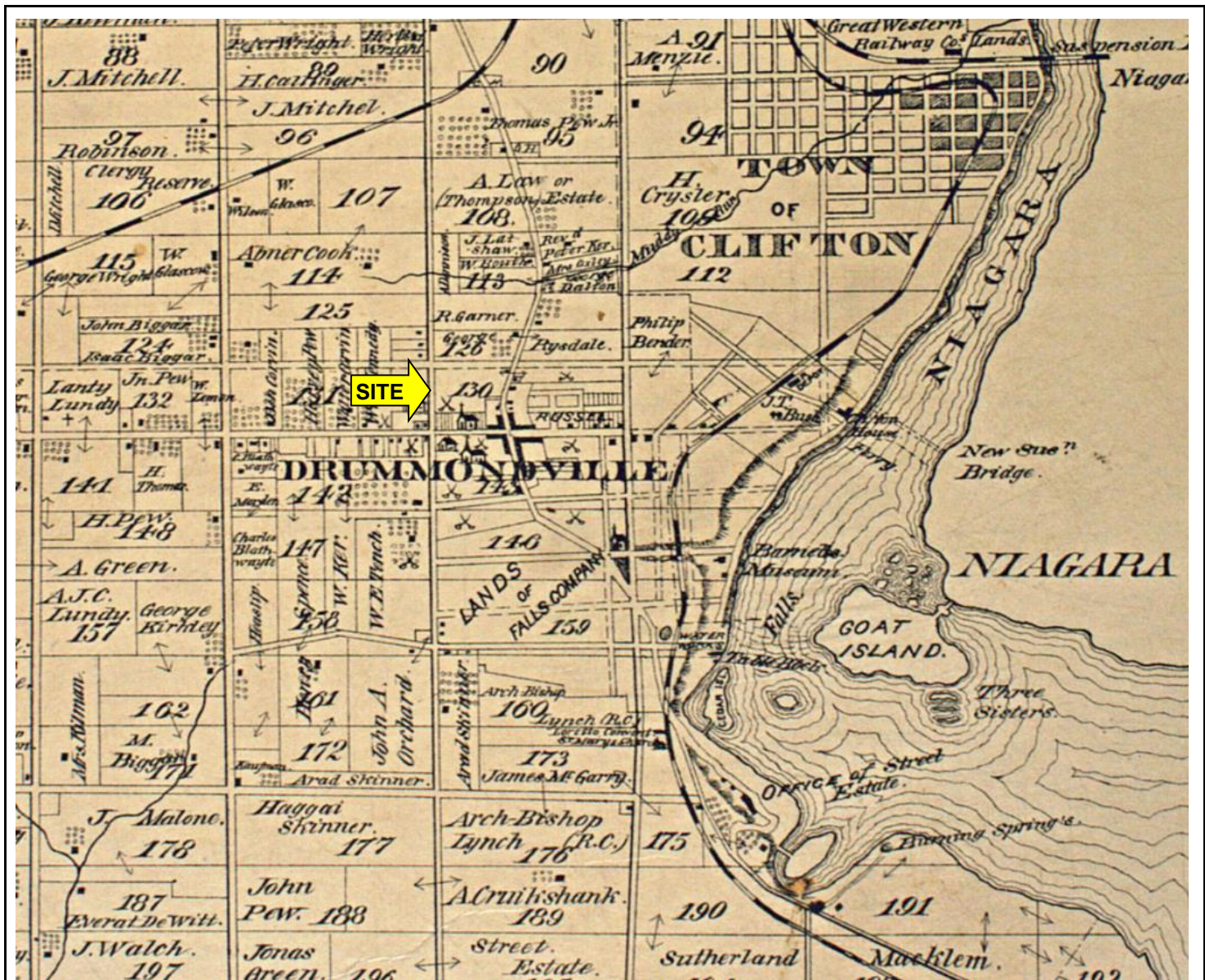
The primary direction of groundwater flow is assumed to follow topography, unless otherwise indicated by measurement of potentiometric surface or other quantifiable data.

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

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

APPENDIX B

HISTORICAL MAP AND AERIAL PHOTOGRAPHS



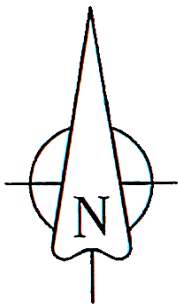
LANDTEK LIMITED


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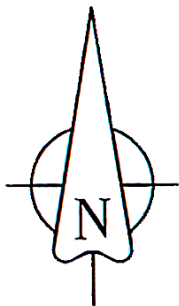
Project: Phase 1 ESA
5558 Drummond Road
Niagara Falls, Ontario

Title: Historical Map - 1875

Project No. 24302

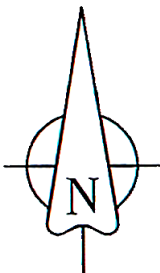



 LANDTEK LIMITED			
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Project:	Phase 1 ESA		
	5558 Drummond Road Niagara Falls, Ontario		
Title:	Topographic Map - 1915		
Project No.	24302		

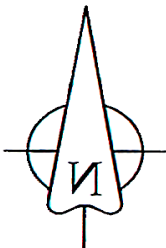


LANDTEK LIMITED

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	5558 Drummond Road Niagara Falls, Ontario	
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Project No.	24302	

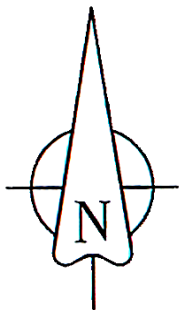
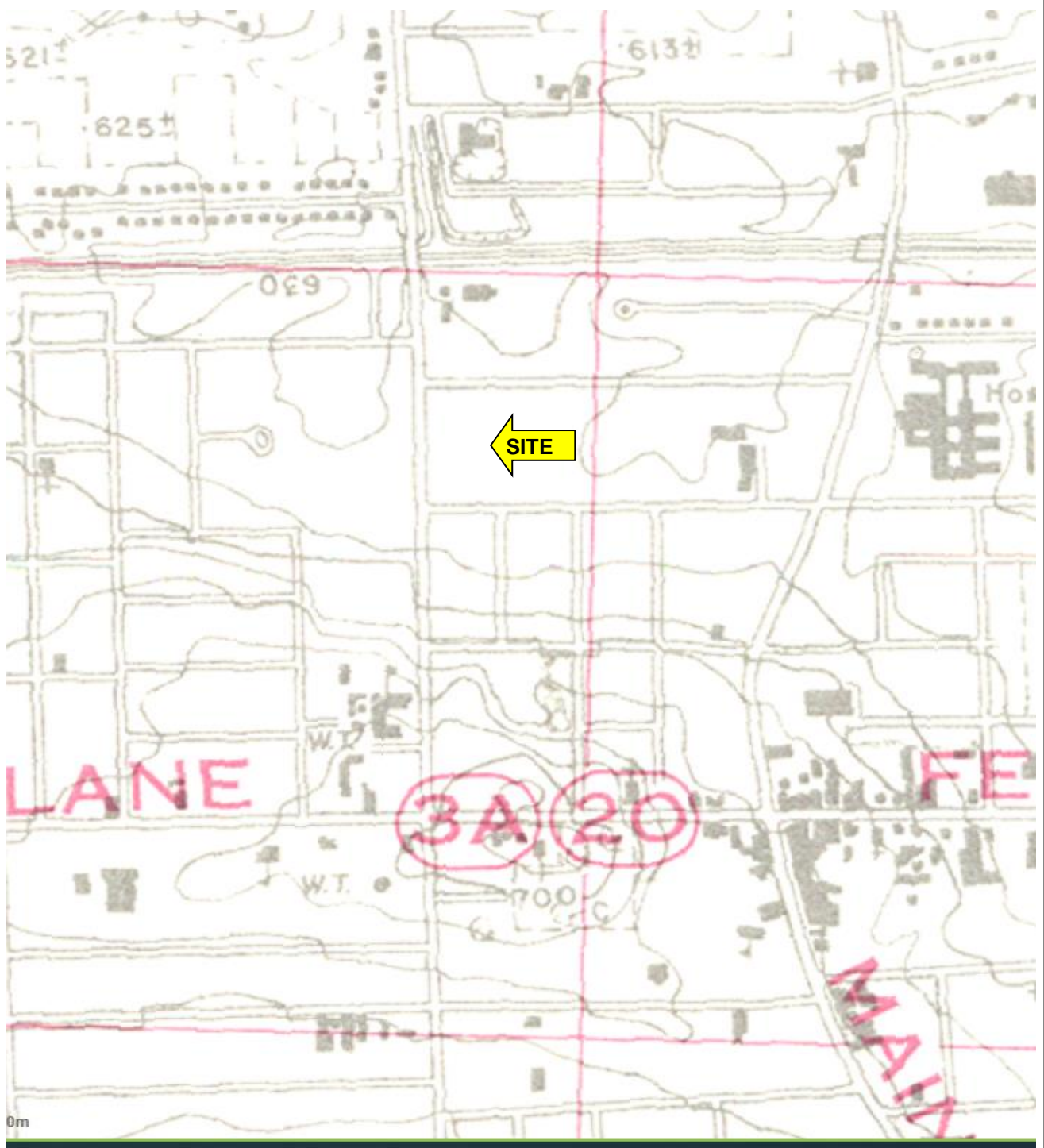



 LANDTEK LIMITED			
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Title:	Aerial Photograph - 1934		
Project No.	24302		

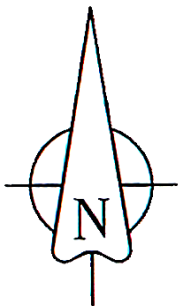


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Scale:	NTS	Date:	October 2024
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Title:	Aerial Photograph - 1954		
Project No.	24302		

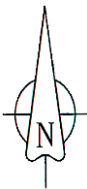
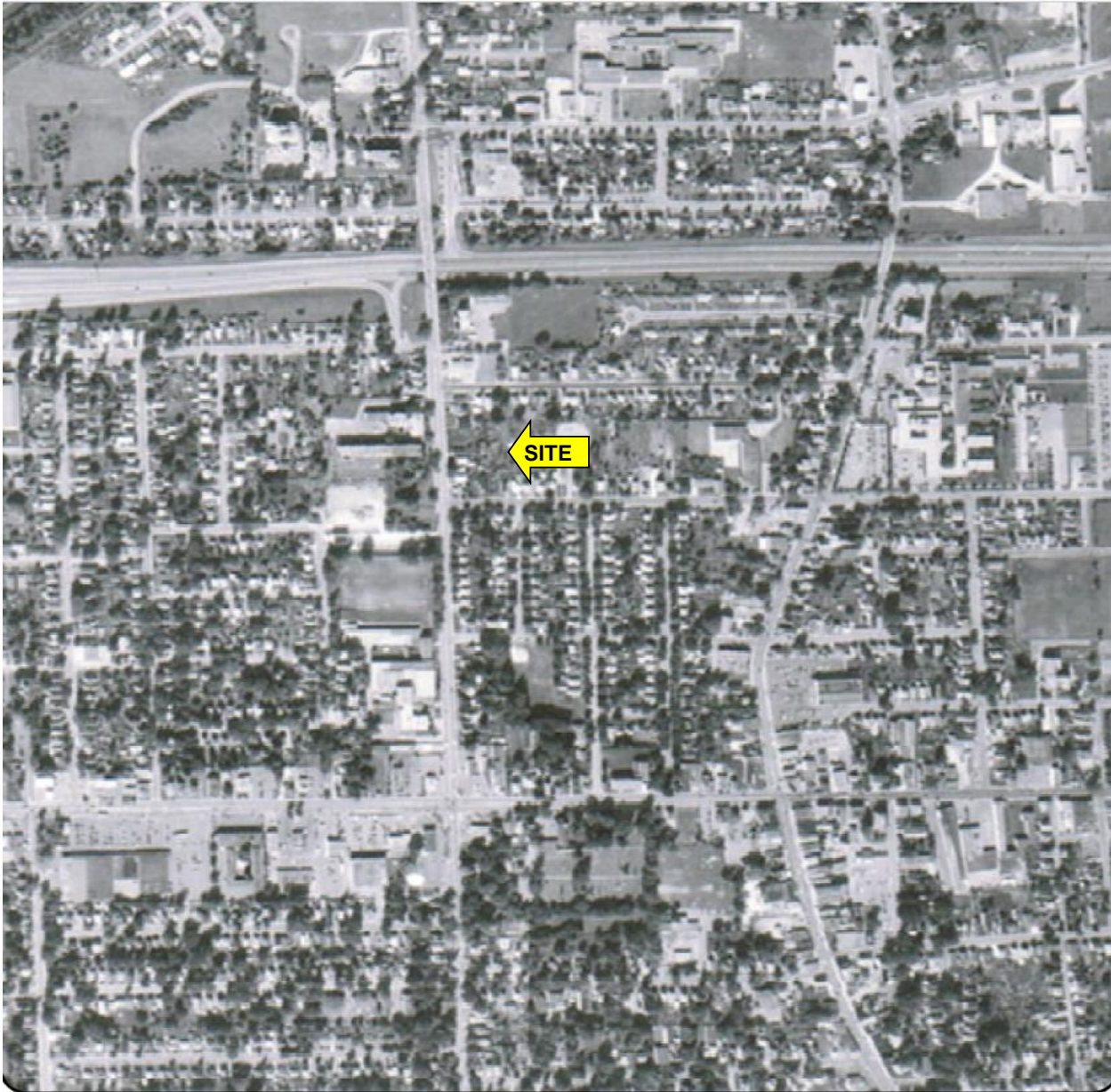



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Project:	Phase 1 ESA 5558 Drummond Road Niagara Falls, Ontario	
Title:	Topographic Map - 1962	
Project No.	24302	

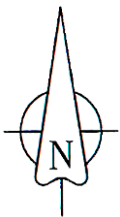



LANDTEK LIMITED

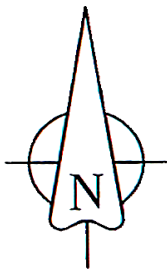
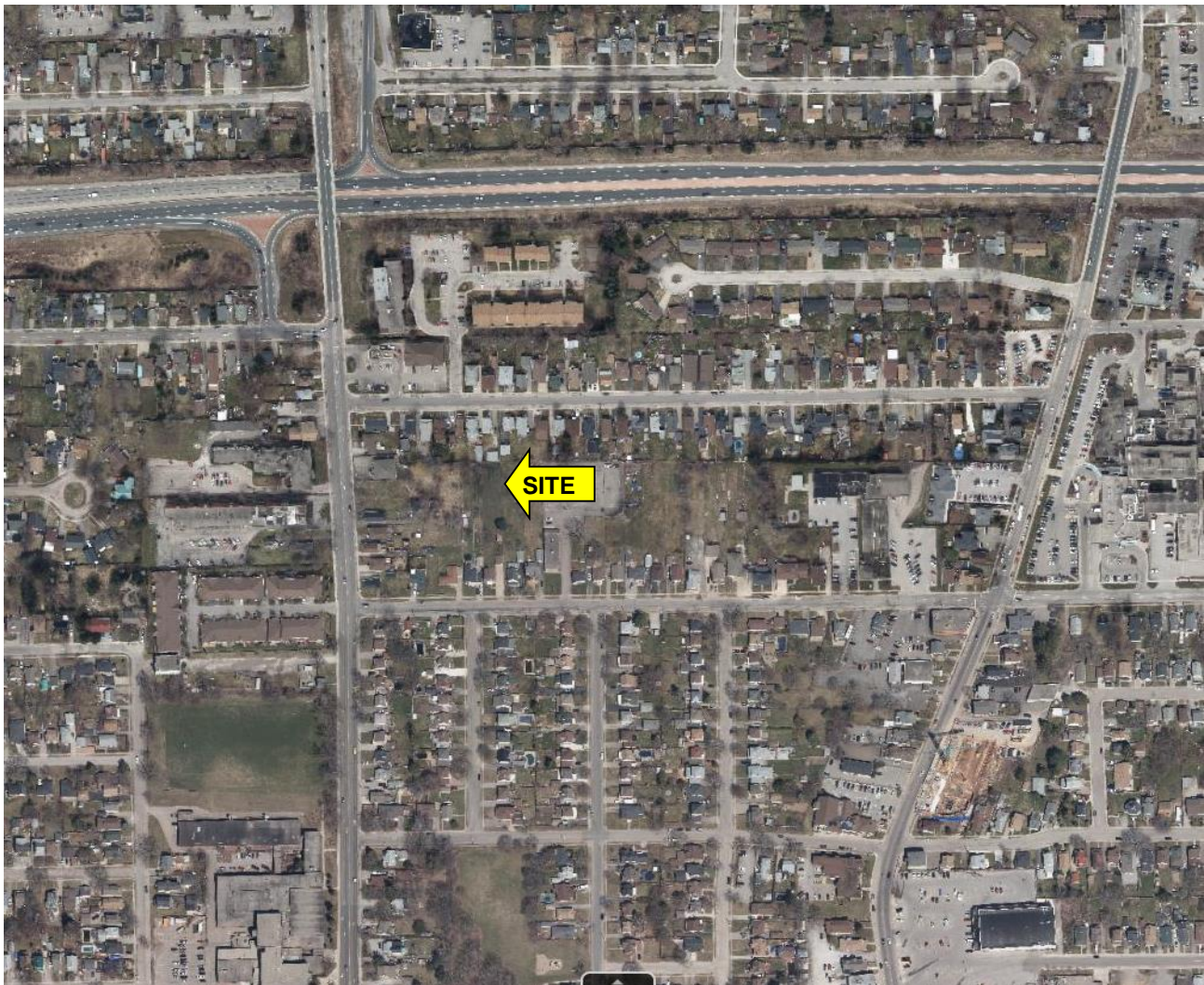
Scale:	NTS	Date:	October 2024
Project:	Phase 1 ESA 5558 Drummond Road Niagara Falls, Ontario		
Title:	Topographic Map - 1973		
Project No.	24302		



 LANDTEK LIMITED			
Scale:	NTS	Date:	October 2024
Project:	Phase 1 ESA 5558 Drummond Road Niagara Falls, Ontario		
Title:	Aerial Photograph - 1983		
Project No.	24302		



 LANDTEK LIMITED			
Scale:	NTS	Date:	October 2024
Project:	Phase 1 ESA 5558 Drummond Road Niagara Falls, Ontario		
Title:	Aerial Photograph - 2010		
Project No.	24302		



LANDTEK LIMITED

Scale: NTS

Date: October 2024

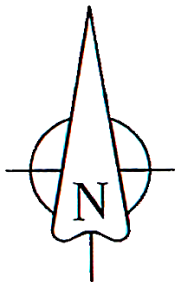
Project:

Phase 1 ESA
5558 Drummond Road
Niagara Falls, Ontario

Title:

Aerial Photograph - 2018

Project No. 24302



LANDEK LIMITED

Scale:	NTS	Date:	October 2024
Project:	Phase 1 ESA 5558 Drummond Road Niagara Falls, Ontario		
Title:	Aerial Photograph - 2024		
Project No.	24302		

APPENDIX C

ENVIRONMENTAL RISK INFORMATION SYSTEM (ERIS) DATA



DATABASE REPORT

Project Property: *5558 Drummond Road &
6141 North Street
Niagara Falls ON L2G 4L3*

Project No: *24302*

Report Type: *Standard Report*

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Executive Summary

Property Information:

Project Property: 5558 Drummond Road &
6140 North Street, Niagara Falls ON L2G 4L3

Project No: 24302

Coordinates:

Latitude: 43.093781
Longitude: -79.0975357
UTM Northing: 4,772,985.62
UTM Easting: 654,832.63
UTM Zone: 17T

Elevation: 630 FT
191.92 M

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	9	9
CA	<i>Certificates of Approval</i>	Y	0	1	1
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	1	1
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	6	6
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	19	19
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
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	3	3
PINC	<i>Pipeline Incidents</i>	Y	0	1	1
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	1	1
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	1	1
SPL	<i>Ontario Spills</i>	Y	0	1	1
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:			0	44	44

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

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>
1	PINC		6172 Prospect Street, Niagara Falls ON	NNE/78.2	-0.97	20
2	EHS		5521 Drummond Road Niagara Falls ON L2G 7G8	WNW/90.9	-0.28	20
3	GEN	The Macdane Group of Companies	5555 Drummond Road Niagara Falls ON L2G7K9	W/93.9	0.00	20
4	SCT	Niagara Denture Clinic	5501 Drummond Rd Niagara Falls ON L2G 4L2	NW/101.8	-1.09	21
5	EHS		6101 North Street Niagara Falls ON L2G 1J7	ESE/132.3	-0.10	21
5	EHS		6101 North Street Niagara Falls ON L2G 1J7	ESE/132.3	-0.10	21
6	PRT	DON ROBSON	5470 DRUMMOND RD NIAGARA FALLS ON L2G 4K9	NNE/133.2	-1.17	21
6	DTNK	DON ROBSON	5470 DRUMMOND RD NIAGARA FALLS ON L2G 4K9	NNE/133.2	-1.17	21
6	GEN	Carriero Dentistry PC Gervais Dentistry PC	5470 Drummond Rd Niagara Falls ON L2G 4K9	NNE/133.2	-1.17	22
6	GEN	Carriero Dentistry PC Gervais Dentistry PC	5470 Drummond Rd Niagara Falls ON L2G 4K9	NNE/133.2	-1.17	22
6	GEN	Carriero Dentistry PC Gervais Dentistry PC	5470 Drummond Rd Niagara Falls ON L2G 4K9	NNE/133.2	-1.17	22
7	EHS		5616 Leonard Avenue Niagara Falls ON L2G 1J9	SW/166.5	2.80	23

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	EHS		5616 Leonard Avenue Niagara Falls ON L2G 1J9	SW/166.5	2.80	23
7	EHS		5616 Leonard Avenue Niagara Falls ON L2G 1J9	SW/166.5	2.80	23
8	SPL	Modern Landfill Inc.	On or near 6147 Prospect Street<UNOFFICIAL> Niagara Falls ON L2G 1G9	N/175.5	-2.09	23
9	GEN	MARAZZO SMALL ENGINE REPAIR	6276 FREDERICA STREET NIAGARA FALLS ON L2G 1C4	WNW/178.9	-1.09	24
10	GEN	NIAGARA SOUTH BOARD OF EDUCATION	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	24
10	GEN	NIAGARA SOUTH BOARD OF EDUCATION 28-381	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	25
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	25
10	CA	District School Board of Niagara	5775 Drummond Rd Niagara Falls ON L2G 4L2	SSW/184.0	4.04	26
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	26
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	27
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	28
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON	SSW/184.0	4.04	30
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	31
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	32
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	33
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	34
10	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/184.0	4.04	34
11	BORE		ON	NNW/222.8	-2.09	35
12	BORE		ON	NNW/226.4	-2.09	36
13	BORE		ON	N/229.5	-2.09	37
14	BORE		ON	N/231.5	-2.09	38
15	BORE		ON	NNW/235.8	-2.09	39
16	BORE		ON	NNW/236.6	-2.09	40
17	BORE		ON	N/238.4	-2.09	41

<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>
18	BORE		ON	NNE/241.2	-2.09	42
19	PES	LANDSCAPE VISIONS	5672 HANAN AVE NIAGARA FALLS ON L2G4E6	ESE/242.1	2.12	43
19	PES	LANDSCAPE VISIONS	5672 HANAN AVE NIAGARA FALLS ON L2G4E6	ESE/242.1	2.12	43
19	PES	LANDSCAPE VISIONS	5672 HANAN AVE NIAGARA FALLS ON L2G4E6	ESE/242.1	2.12	44
20	BORE		ON	NNW/243.2	-2.09	44
21	ECA	District School Board of Niagara	5775 Drummond Rd Niagara Falls ON L2R 7P4	SSW/249.6	7.42	45
21	GEN	DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW/249.6	7.42	46

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 9 BORE 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>
	ON	NNW	222.84	<u>11</u>
	ON	NNW	226.41	<u>12</u>
	ON	N	229.54	<u>13</u>
	ON	N	231.50	<u>14</u>
	ON	NNW	235.82	<u>15</u>
	ON	NNW	236.55	<u>16</u>
	ON	N	238.39	<u>17</u>
	ON	NNE	241.17	<u>18</u>
	ON	NNW	243.24	<u>20</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA 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>
District School Board of Niagara	5775 Drummond Rd Niagara Falls ON L2G 4L2	SSW	183.96	10

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated May 31, 2021 has found that there are 1 DTNK 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>
DON ROBSON	5470 DRUMMOND RD NIAGARA FALLS ON L2G 4K9	NNE	133.22	6

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 1 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>
District School Board of Niagara	5775 Drummond Rd Niagara Falls ON L2R 7P4	SSW	249.63	21

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 6 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>
	5616 Leonard Avenue Niagara Falls ON L2G 1J9	SW	166.46	7
	5616 Leonard Avenue Niagara Falls ON L2G 1J9	SW	166.46	7
	5616 Leonard Avenue Niagara Falls ON L2G 1J9	SW	166.46	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	5521 Drummond Road Niagara Falls ON L2G 7G8	WNW	90.94	<u>2</u>
	6101 North Street Niagara Falls ON L2G 1J7	ESE	132.35	<u>5</u>
	6101 North Street Niagara Falls ON L2G 1J7	ESE	132.35	<u>5</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 19 GEN 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>
The Macdane Group of Companies	5555 Drummond Road Niagara Falls ON L2G7K9	W	93.85	<u>3</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD	SSW	183.96	<u>10</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	NIAGARA FALLS ON			
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
NIAGARA SOUTH BOARD OF EDUCATION 28-381	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
NIAGARA SOUTH BOARD OF EDUCATION	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	183.96	<u>10</u>
DISTRICT SCHOOL BOARD OF NIAGARA	STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	SSW	249.63	<u>21</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carriero Dentistry PC Gervais Dentistry PC	5470 Drummond Rd Niagara Falls ON L2G 4K9	NNE	133.22	<u>6</u>

Carriero Dentistry PC Gervais Dentistry PC	5470 Drummond Rd Niagara Falls ON L2G 4K9	NNE	133.22	6
Carriero Dentistry PC Gervais Dentistry PC	5470 Drummond Rd Niagara Falls ON L2G 4K9	NNE	133.22	6
MARAZZO SMALL ENGINE REPAIR	6276 FEDERICA STREET NIAGARA FALLS ON L2G 1C4	WNW	178.94	9

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Jun 30, 2021 has found that there are 3 PES 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>
LANDSCAPE VISIONS	5672 HANAN AVE NIAGARA FALLS ON L2G4E6	ESE	242.14	19
LANDSCAPE VISIONS	5672 HANAN AVE NIAGARA FALLS ON L2G4E6	ESE	242.14	19
LANDSCAPE VISIONS	5672 HANAN AVE NIAGARA FALLS ON L2G4E6	ESE	242.14	19

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 1 PINC 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>
	6172 Prospect Street, Niagara Falls ON	NNE	78.17	1

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT 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>
DON ROBSON	5470 DRUMMOND RD NIAGARA FALLS ON L2G 4K9	NNE	133.22	6

SCT - Scott's Manufacturing Directory

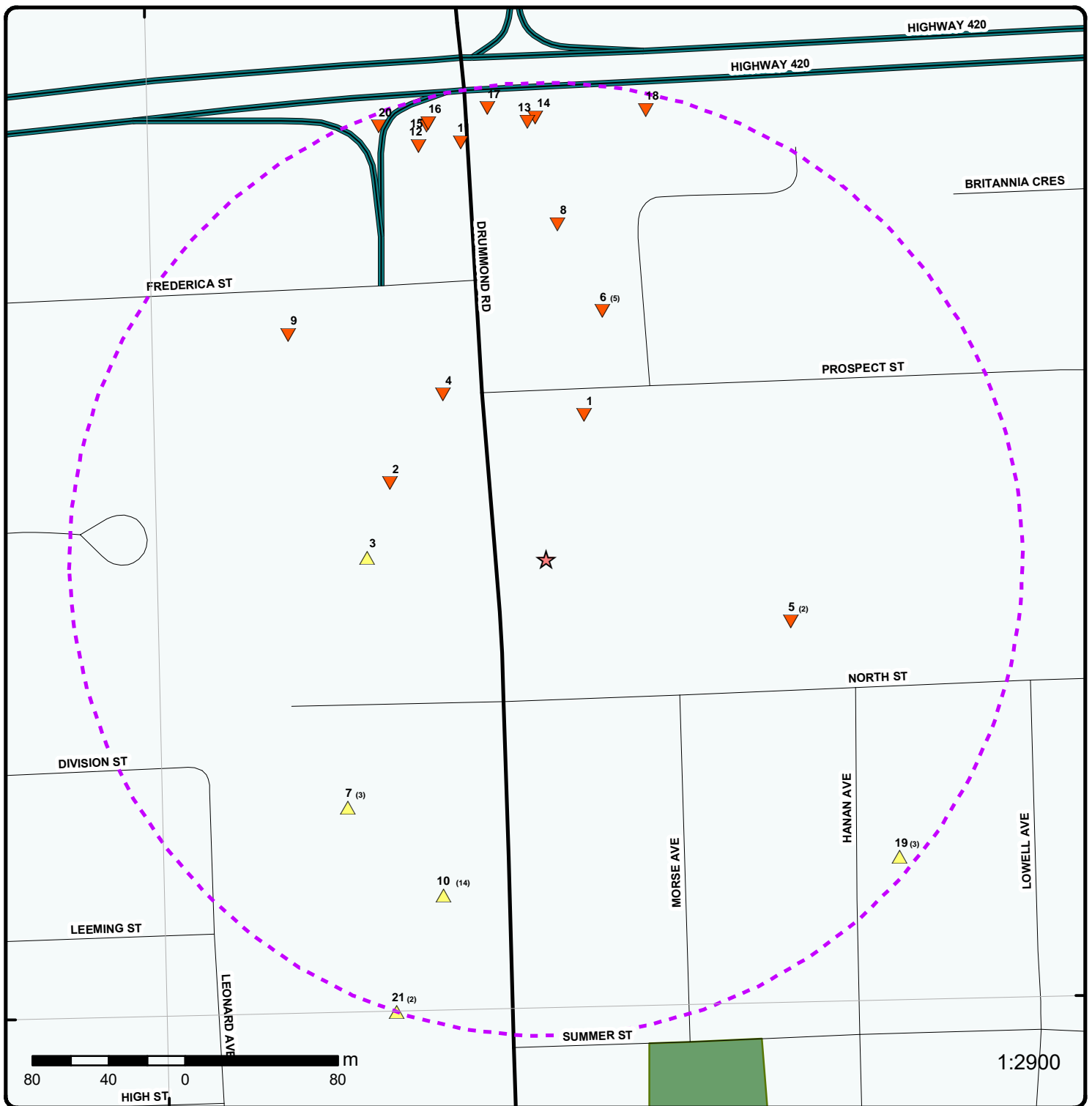
A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Niagara Denture Clinic	5501 Drummond Rd Niagara Falls ON L2G 4L2	NW	101.84	4

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 1 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>
Modern Landfill Inc.	On or near 6147 Prospect Street<UNOFFICIAL> Niagara Falls ON L2G 1G9	N	175.47	8



Map: 0.25 Kilometer Radius

Order Number: 21081300310

Address: 5558 Drummond Road & 6141 North Street, Niagara Falls, ON

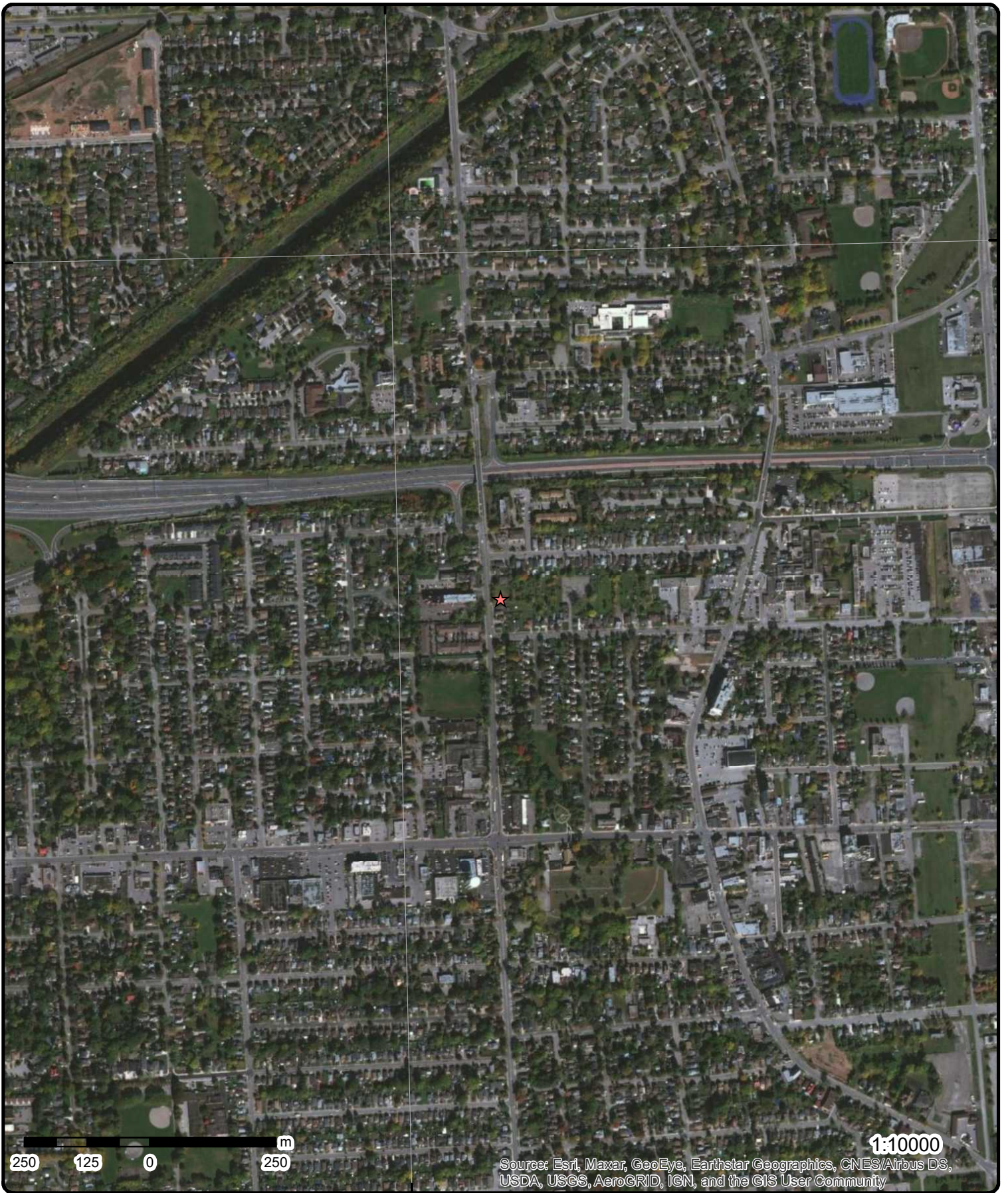


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range
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°6'W

43°6'N

43°6'N



Aerial Year: 2020

Order Number: 21081300310

Address: 5558 Drummond Road & 6141 North Street, Niagara Falls, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>1</u></p> <p>Incident ID: 2877138 Incident No: 720136 Incident Reported Dt: Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Tank Status: RC Established Task No: 3684092 Spills Action Centre: Fuel Type: Natural Gas Fuel Occurrence Tp: Pipeline Strike Date of Occurrence: 1/13/2012 0:00 Occurrence Start Dt: 2012/01/30 Depth: 30 Customer Acct Name: Incident Address: Operation Type: Construction Site (pipeline strike) Pipeline Type: Main Distribution Pipeline Regulator Type: Summary: 6172 Prospect Street, Niagara Falls - 1 ¼" Pipeline Hit Reported By: henry.timmers@enbridge.com Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Occurrence Desc: FAILED TO HAND DIG HIT MAIN Damage Reason: Excavation practices not sufficient Notes: FAILED TO HAND DIG</p>	<p>1 of 1</p>	<p>NNE/78.2</p>	<p>190.9 / -0.97</p>	<p>6172 Prospect Street, Niagara Falls ON</p> <p>Pipe Material: Plastic Fuel Category: Natural Gas Health Impact: No Environment Impact: No Property Damage: No Service Interrupt: Yes Enforce Policy: Yes Public Relation: No Pipeline System: Transmission pipeline PSIG: 35 Attribute Category: FS-Perform P-line Inc Invest Regulator Location: Method Details: E-mail</p>	<p>PINC</p>
<p><u>2</u></p> <p>Order No: 20190529221 Status: C Report Type: Standard Report Report Date: 04-JUN-19 Date Received: 29-MAY-19 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans</p>	<p>1 of 1</p>	<p>WNW/90.9</p>	<p>191.6 / -0.28</p>	<p>5521 Drummond Road Niagara Falls ON L2G 7G8</p> <p>Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.098528 Y: 43.094157</p>	<p>EHS</p>
<p><u>3</u></p> <p>Generator No: ON3799414 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 531111 SIC Description: LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)</p>	<p>1 of 1</p>	<p>W/93.9</p>	<p>191.9 / 0.00</p>	<p>The Macdane Group of Companies 5555 Drummond Road Niagara Falls ON L2G7K9</p> <p>PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: Scott McIntyre Phone No Admin: 905-682-2427 Ext.</p>	<p>GEN</p>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
<u>4</u>	1 of 1	NW/101.8	190.8 / -1.09	Niagara Denture Clinic 5501 Drummond Rd Niagara Falls ON L2G 4L2	SCT
Established:		01-SEP-99			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Offices of All Other Health Practitioners			
SIC/NAICS Code:		621390			
Description:		Medical Equipment and Supplies Manufacturing			
SIC/NAICS Code:		339110			
<u>5</u>	1 of 2	ESE/132.3	191.8 / -0.10	6101 North Street Niagara Falls ON L2G 1J7	EHS
Order No:		21021200093		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		18-FEB-21		Search Radius (km): .25	
Date Received:		12-FEB-21		X: -79.0959694	
Previous Site Name:				Y: 43.0934619	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps; Aerial Photos			
<u>5</u>	2 of 2	ESE/132.3	191.8 / -0.10	6101 North Street Niagara Falls ON L2G 1J7	EHS
Order No:		21021200093		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		18-FEB-21		Search Radius (km): .25	
Date Received:		12-FEB-21		X: -79.0959694	
Previous Site Name:				Y: 43.0934619	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps; Aerial Photos			
<u>6</u>	1 of 5	NNE/133.2	190.7 / -1.17	DON ROBSON 5470 DRUMMOND RD NIAGARA FALLS ON L2G 4K9	PRT
Location ID:		9830			
Type:		retail			
Expiry Date:		1991-04-30			
Capacity (L):		30000			
Licence #:		0053312001			
<u>6</u>	2 of 5	NNE/133.2	190.7 / -1.17	DON ROBSON 5470 DRUMMOND RD NIAGARA FALLS ON L2G 4K9	DTNK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No: 9756938 Status: EXPIRED Instance ID: Instance Type: FS Facility Description: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 10/23/2009 15:26 Original Source: EXP Record Date: Up to May 2013					
6	3 of 5	NNE/133.2	190.7 / -1.17	Carriero Dentistry PC Gervais Dentistry PC 5470 Drummond Rd Niagara Falls ON L2G 4K9	GEN
Generator No: ON9584650 Status: Registered Approval Years: As of Dec 2018 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 261 A Waste Class Desc: Pharmaceuticals Waste Class: 312 P Waste Class Desc: Pathological wastes					
6	4 of 5	NNE/133.2	190.7 / -1.17	Carriero Dentistry PC Gervais Dentistry PC 5470 Drummond Rd Niagara Falls ON L2G 4K9	GEN
Generator No: ON9584650 Status: Registered Approval Years: As of Jul 2020 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 261 A Waste Class Desc: Pharmaceuticals Waste Class: 312 P Waste Class Desc: Pathological wastes					
6	5 of 5	NNE/133.2	190.7 / -1.17	Carriero Dentistry PC Gervais Dentistry PC 5470 Drummond Rd Niagara Falls ON L2G 4K9	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: ON9584650 Status: Registered Approval Years: As of Apr 2021 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 312 P Waste Class Desc: Pathological wastes					
Waste Class: 261 A Waste Class Desc: Pharmaceuticals					
<u>7</u>	1 of 3	SW/166.5	194.7 / 2.80	5616 Leonard Avenue Niagara Falls ON L2G 1J9	EHS
Order No: 20291800041 Status: C Report Type: Standard Report Report Date: 23-SEP-20 Date Received: 18-SEP-20 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.0988466 Y: 43.092631					
<u>7</u>	2 of 3	SW/166.5	194.7 / 2.80	5616 Leonard Avenue Niagara Falls ON L2G 1J9	EHS
Order No: 20291800041 Status: C Report Type: Standard Report Report Date: 23-SEP-20 Date Received: 18-SEP-20 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.0988466 Y: 43.092631					
<u>7</u>	3 of 3	SW/166.5	194.7 / 2.80	5616 Leonard Avenue Niagara Falls ON L2G 1J9	EHS
Order No: 20291800041 Status: C Report Type: Standard Report Report Date: 23-SEP-20 Date Received: 18-SEP-20 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.0988466 Y: 43.092631					
<u>8</u>	1 of 1	N/175.5	189.8 / -2.09	Modern Landfill Inc. On or near 6147 Prospect Street<UNOFFICIAL> Niagara Falls ON L2G 1G9	SPL
Ref No: 0326-6A2MQX Site No: Incident Dt: 2/28/2005					
Discharger Report: 0 Material Group: Oil Health/Env Conseq:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year:				Client Type:	
Incident Cause:	Cooling System Leak			Sector Type:	Waste Disposal Site
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL			Site Address:	
Contaminant Limit 1:				Site District Office:	Niagara
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	Niagara Falls
Environment Impact:	Possible			Site Municipality:	Niagara Falls
Nature of Impact:	Soil Contamination; Surface Water Pollution			Site Lot:	
Receiving Medium:	Land			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2/28/2005			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Spill to Inland Watercourses; Spill to Land
Incident Reason:	Unknown - Reason not determined			Source Type:	
Site Name:	On or near 6147 Prospect Street<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Modern Landfill: 100 L hydraulic oil to gnd & cb				
Contaminant Qty:	110 L				

9	1 of 1	WNW/178.9	190.8 / -1.09	MARAZZO SMALL ENGINE REPAIR 6276 FREDERICA STREET NIAGARA FALLS ON L2G 1C4	GEN
Generator No:	ON2093400			PO Box No:	
Status:				Country:	
Approval Years:	95,96,97,98,99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	9949				
SIC Description:	OTHER REPAIR SERV.				

Detail(s)

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

10	1 of 14	SSW/184.0	196.0 / 4.04	NIAGARA SOUTH BOARD OF EDUCATION STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	86,87,88,89,90,92,93,97			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			

10	2 of 14	SSW/184.0	196.0 / 4.04	NIAGARA SOUTH BOARD OF EDUCATION 28-381 STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	94,95,96			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			

10	3 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	98,99,00,01,02,03,04,05,06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
<u>10</u>	4 of 14	SSW/184.0	196.0 / 4.04	District School Board of Niagara 5775 Drummond Rd Niagara Falls ON L2G 4L2	CA
Certificate #:		1447-7D5MBR			
Application Year:		2008			
Issue Date:		3/27/2008			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<u>10</u>	5 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST.	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				
<u>Detail(s)</u>					
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

10	6 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

<u>10</u>	7 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				

<u>Detail(s)</u>					
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

10	8 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
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Generator No:	ON0001712	PO Box No:	
Status:		Country:	
Approval Years:	2012	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	611110		
SIC Description:	Elementary and Secondary Schools		

Detail(s)

Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	252

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

10	9 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS				

Detail(s)

Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

10	10 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	COLIN MUNRO
MHSW Facility:	No			Phone No Admin:	95-641-2929 Ext.54310
SIC Code:	611110				
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS				

Detail(s)

Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			

10 11 of 14 **SSW/184.0** **196.0 / 4.04** **DISTRICT SCHOOL BOARD OF NIAGARA
STAMFORD COLLEGIATE VOCATIONAL INST.
5775 DRUMMOND ROAD
NIAGARA FALLS ON L2G 4L2** **GEN**

Generator No:	ON0001712	PO Box No:	
Status:		Country:	Canada
Approval Years:	2015	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	COLIN MUNRO
MHSW Facility:	No	Phone No Admin:	95-641-2929 Ext.54310
SIC Code:	611110		
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS		

Detail(s)

Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	253

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

10 12 of 14 **SSW/184.0** **196.0 / 4.04** **DISTRICT SCHOOL BOARD OF NIAGARA
STAMFORD COLLEGIATE VOCATIONAL INST.
5775 DRUMMOND ROAD
NIAGARA FALLS ON L2G 4L2** **GEN**

Generator No:	ON0001712	PO Box No:	
Status:		Country:	Canada
Approval Years:	2014	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	COLIN MUNRO
MHSW Facility:	No	Phone No Admin:	95-641-2929 Ext.54310
SIC Code:	611110		
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS		

Detail(s)

Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			

10	13 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					

Detail(s)

Waste Class:	145 I				
Waste Class Desc:	Wastes from the use of pigments, coatings and paints				
Waste Class:	146 T				
Waste Class Desc:	Other specified inorganic sludges, slurries or solids				
Waste Class:	148 C				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
Waste Class:	148 I				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
Waste Class:	212 L				
Waste Class Desc:	Aliphatic solvents and residues				
Waste Class:	213 I				
Waste Class Desc:	Petroleum distillates				
Waste Class:	243 D				
Waste Class Desc:	PCB				
Waste Class:	252 L				
Waste Class Desc:	Waste crankcase oils and lubricants				
Waste Class:	263 I				
Waste Class Desc:	Misc. waste organic chemicals				
Waste Class:	264 C				
Waste Class Desc:	Photoprocessing wastes				
Waste Class:	331 I				
Waste Class Desc:	Waste compressed gases including cylinders				

10	14 of 14	SSW/184.0	196.0 / 4.04	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Jul 2020			Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:				Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		264 C			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		243 D			
Waste Class Desc:		PCB			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			

11 1 of 1 **NNW/222.8** **189.8 / -2.09** **ON** **BORE**

Borehole ID:	852750	Inclin FLG:	No
OGF ID:	215575422	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	14-AUG-1999	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095755
Total Depth m:	8.1	Longitude DD:	-79.098023
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	654788
Drill Method:	Solid stem auger	Northing:	4773204
Orig Ground Elev m:	194	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	190		

Concession:
Location D: Drummond Road Structure, Highway 420 Reconstruction, QEW to Rainbow Bridge. G.W.P. 309-94-00, Niagara Falls, Ontario. The site is located at the existing crossing of Hwy, 420 in the City of Niagara Falls. The proposed structure will carry Drummond Road

Survey D:

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

Borehole Geology Stratum

Geology Stratum ID:	218623517	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.3	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Concrete	Geologic Formation:	
Material 2:	Asphalt	Geologic Group:	
Material 3:	Limestone	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Pavement Structure - 245mm asphaltic concrete over 80mm Granular 'A' crushed limestone **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218623518	Mat Consistency:	Loose
Top Depth:	.3	Material Moisture:	
Bottom Depth:	4.4	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	Fill-Misc
Material 1:	Fill	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Clay	Geologic Period:	
Material 4:	Sand	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Silt fill - loose, brown silt, trace of clay and sand with pockets of dark brown silty topsoil, becoming compact to loose with trace of brick.		

Geology Stratum ID:	218623520	Mat Consistency:	Compact
Top Depth:	5.5	Material Moisture:	Moist
Bottom Depth:	8.1	Material Texture:	
Material Color:	Red-Brown	Non Geo Mat Type:	
Material 1:	Silt	Geologic Formation:	
Material 2:	Sand	Geologic Group:	
Material 3:	Clay	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Silt - compact, reddish brown silt, trace of sand and clay, moist **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218623519	Mat Consistency:	Compact
Top Depth:	4.4	Material Moisture:	
Bottom Depth:	5.5	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Fill	Geologic Formation:	
Material 2:	Sand	Geologic Group:	
Material 3:	Fine Sand	Geologic Period:	
Material 4:	Silty	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Sand fill - compact, brown to dark brown silty fine sand, trace of gravel, damp **Note: Many records provided by the department have a truncated [Stratum Description] field.		

<u>12</u>	1 of 1	NNW/226.4	189.8 / -2.09	ON	BORE
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Borehole ID:	857659	Inclin FLG:	No
OGF ID:	215577657	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	MAY-1965	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095742

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Total Depth m:	17.5			Longitude DD:	-79.098294
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	654766
Drill Method:	Diamond Drill			Northing:	4773202
Orig Ground Elev m:	189			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	189				
Concession:					
Location D:	Study of Q.E.W. Extension into Niagara Falls, to a six/eight lane highway from the main Q.E.W. to the approaches to the Rainbow Bridge. District #4 (Hamilton)				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	220433085	Mat Consistency:	
Top Depth:	15.5	Material Moisture:	
Bottom Depth:	17.5	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Heterogeneous mixture of silt, sand, gravel and cobbles (Till) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	220433084	Mat Consistency:	Compact
Top Depth:	0	Material Moisture:	
Bottom Depth:	15.5	Material Texture:	
Material Color:	Red-Brown	Non Geo Mat Type:	
Material 1:	Silt	Geologic Formation:	
Material 2:	Fine Sand	Geologic Group:	
Material 3:	Gravel	Geologic Period:	
Material 4:	Silt	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Silt, some very fine sand, occasional gravel, red brown. Compact to dense. Layers of sandy silt and clayey silt.		

13 1 of 1 **N/229.5** **189.8 / -2.09** **ON** **BORE**

Borehole ID:	852055	Inclin FLG:	No
OGF ID:	215574737	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	08-FEB-1973	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095847
Total Depth m:	21	Longitude DD:	-79.09759
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	654823
Drill Method:	Hollow stem auger	Northing:	4773215
Orig Ground Elev m:	189	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	190		
Concession:			
Location D:	Proposed Retaining Walls on Hwy. 420, City of Niagara Falls, District #4. The site is located on Hwy. 420 in a built-up area of Niagara Falls. Retaining wall #1 is located on the south side on Hwy. 420, running 1760 feet from Drummond Road to Portage Roa		
Survey D:			
Comments:	B.H. 17, W.O. 72-11151		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218621241			Mat Consistency:	Very Dense
Top Depth:	0			Material Moisture:	
Bottom Depth:	14.6			Material Texture:	
Material Color:	Red-Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Sand			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt, traces of clay, gravel and sand. Reddish brown. Very dense to dense to compact then a loose layer then compact to very dense layer then compact with depth **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218621242			Mat Consistency:	Very Dense
Top Depth:	14.6			Material Moisture:	
Bottom Depth:	21			Material Texture:	
Material Color:	Red-Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	Heterogeneous mixture of silt, sand and gravel, traces of clay. Frequent cobbles. Reddish brown. Glacial till. Very dense **Note: Many records provided by the department have a truncated [Stratum Description] field.				

[14](#) 1 of 1 **N/231.5** **189.8 / -2.09** **ON** **BORE**

Borehole ID:	857652	Inclin FLG:	No
OGF ID:	215577650	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	08-FEB-1973	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095865
Total Depth m:	21	Longitude DD:	-79.09754
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	654827
Drill Method:	Hollow stem auger	Northing:	4773217
Orig Ground Elev m:	189	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	189		
Concession:			
Location D:	Proposed Underpass at Drummond Road on Highway 420(Niagara Falls), District #4.		
Survey D:			
Comments:	B.H #51 Job No. 72-11155		

Borehole Geology Stratum

Geology Stratum ID:	220433060	Mat Consistency:	Very Dense
Top Depth:	0	Material Moisture:	
Bottom Depth:	14.6	Material Texture:	
Material Color:	Red-Brown	Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	
Material 2:	Sand	Geologic Group:	
Material 3:	Clay	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Silt, traces sand, clay and gravel, reddish brown. Very dense **Note: Many records provided by the department		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
have a truncated [Stratum Description] field.					
Geology Stratum ID:	220433061			Mat Consistency:	Very Dense
Top Depth:	14.6			Material Moisture:	
Bottom Depth:	21			Material Texture:	
Material Color:	Red-Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	Silt with sand, some gravel, trace clay, frequent cobbles. Reddish brown. Very dense. Glacial till **Note: Many records provided by the department have a truncated [Stratum Description] field.				

15	1 of 1	NNW/235.8	189.8 / -2.09	ON	BORE
Borehole ID:	857651			Inclin FLG:	No
OGF ID:	215577649			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	06-FEB-1973			Municipality:	
Static Water Level:	1.0			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	43.09584
Total Depth m:	22			Longitude DD:	-79.098241
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	654770
Drill Method:	Hollow stem auger			Northing:	4773213
Orig Ground Elev m:	189			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	189				
Concession:					
Location D:	Proposed Underpass at Drummond Road on Highway 420(Niagara Falls), District #4.				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	220433057			Mat Consistency:	Very Dense
Top Depth:	12.5			Material Moisture:	
Bottom Depth:	15.5			Material Texture:	
Material Color:	Red-Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt, trace clay. Trace sand. Reddish brown. Very dense **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	220433058			Mat Consistency:	Very Dense
Top Depth:	15.5			Material Moisture:	
Bottom Depth:	20.9			Material Texture:	
Material Color:	Red-Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	Silt with sand, some gravel, trace clay, frequent cobbles. Reddish brown. Very dense. Glacial till **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	220433055			Mat Consistency:	Loose
Top Depth:	0			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt, some clay, trace to some sand. Grey to reddish brown. Loose to compact to dense **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	220433056			Mat Consistency:	Stiff
Top Depth:	9.1			Material Moisture:	
Bottom Depth:	12.5			Material Texture:	
Material Color:	Red-Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt with clay, trace sand. Reddish brown. Stiff to very stiff.				
Geology Stratum ID:	220433059			Mat Consistency:	
Top Depth:	20.9			Material Moisture:	
Bottom Depth:	22			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Dolomite			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Bedrock dolomite **Note: Many records provided by the department have a truncated [Stratum Description] field.				

16 1 of 1 NNW/236.6 189.8 / -2.09 ON BORE

Borehole ID:	852748	Inclin FLG:	No
OGF ID:	215575420	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	13-AUG-1999	Municipality:	
Static Water Level:	6.5	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095849
Total Depth m:	6.6	Longitude DD:	-79.098229
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	654771
Drill Method:	Solid stem auger	Northing:	4773214
Orig Ground Elev m:	189	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	189		
Concession:			
Location D:	Drummond Road Structure, Highway 420 Reconstruction, QEW to Rainbow Bridge. G.W.P. 309-94-00, Niagara Falls, Ontario. The site is located at the existing crossing of Hwy, 420 in the City of Niagara Falls. The proposed structure will carry Drummond Road		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218623511	Mat Consistency:	
Top Depth:	.8	Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth:	1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clayey			Geologic Period:	
Material 4:	Organic			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Topsoil - dark brown clayey silt, low organic **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218623512			Mat Consistency:	Compact
Top Depth:	1			Material Moisture:	Damp
Bottom Depth:	6.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt - compact, brown silt, trace of clay, non plastic, damp to moist. Becoming dense to compact with depth **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218623510			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt fill - dark brown to brown silt, trace of clay.				

17 1 of 1 N/238.4 189.8 / -2.09 ON BORE

Borehole ID:	852749	Inclin FLG:	No
OGF ID:	215575421	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	23-JUL-1999	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095915
Total Depth m:	23.3	Longitude DD:	-79.097846
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	654802
Drill Method:	Hollow stem auger	Northing:	4773222
Orig Ground Elev m:	189	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	189		
Concession:			
Location D:	Drummond Road Structure, Highway 420 Reconstruction, QEW to Rainbow Bridge. G.W.P. 309-94-00, Niagara Falls, Ontario. The site is located at the existing crossing of Hwy, 420 in the City of Niagara Falls. The proposed structure will carry Drummond Road		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218623514	Mat Consistency:	Compact
Top Depth:	.4	Material Moisture:	
Bottom Depth:	14.1	Material Texture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Fine Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt - compact, brown silt, trace of clay, non plastic, moist, with fine sand **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218623516			Mat Consistency:	
Top Depth:	20.2			Material Moisture:	
Bottom Depth:	23.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Dolomite			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Bedrock - dolostone **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218623513			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Concrete			Geologic Formation:	
Material 2:	Asphalt			Geologic Group:	
Material 3:	Limestone			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Pavement Structure - 100mm asphaltic concrete over 350mm Granular 'A' crushed limestone **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218623515			Mat Consistency:	
Top Depth:	14.1			Material Moisture:	
Bottom Depth:	20.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt and sand till - brown silt and sand, some gravel, occasional boulder **Note: Many records provided by the department have a truncated [Stratum Description] field.				

18 1 of 1 **NNE/241.2** **189.8 / -2.09** **ON** **BORE**

Borehole ID:	852056	Inclin FLG:	No
OGF ID:	215574738	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	09-FEB-1973	Municipality:	
Static Water Level:	5.5	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.095889
Total Depth m:	21.6	Longitude DD:	-79.096827
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	654885
Drill Method:	Hollow stem auger	Northing:	4773221
Orig Ground Elev m:	189	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	189		
Concession:			
Location D:	Proposed Retaining Walls on Hwy. 420, City of Niagara Falls, District #4. The site is located on Hwy. 420 in a built-		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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up area of Niagara Falls. Retaining wall #1 is located on the south side on Hwy. 420, running 1760 feet from Drummond Road to Portage Roa

Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	218621243	Mat Consistency:	Compact
Top Depth:	0	Material Moisture:	
Bottom Depth:	14	Material Texture:	
Material Color:	Red-Brown	Non Geo Mat Type:	
Material 1:	Silt	Geologic Formation:	
Material 2:	Clay	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Silt, traces of clay, sand and gravel. Reddish brown. Compact to very dense **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218621244	Mat Consistency:	Very Dense
Top Depth:	14	Material Moisture:	
Bottom Depth:	21.6	Material Texture:	
Material Color:	Red-Brown	Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	glacial
Gsc Material Description:			
Stratum Description:	Heterogeneous mixture of silt, sand and gravel, trace of clay, frequent cobbles. Reddish brown. Glacial till. Very dense **Note: Many records provided by the department have a truncated [Stratum Description] field.		

19	1 of 3	ESE/242.1	194.0 / 2.12	LANDSCAPE VISIONS 5672 HANAN AVE NIAGARA FALLS ON L2G4E6	PES
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Detail Licence No:		Operator Box:	
Licence No:	08926	Operator Class:	
Status:		Operator No:	
Approval Date:		Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)	Oper Area Code:	905
Licence Type:	Operator	Oper Phone No:	3586318
Licence Type Code:	02	Operator Ext:	
Licence Class:	01	Operator Lot:	
Licence Control:		Oper Concession:	
Latitude:		Operator Region:	
Longitude:		Operator District:	
Lot:		Operator County:	
Concession:		Op Municipality:	
Region:		Post Office Box:	
District:		MOE District:	
County:		SWP Area Name:	
Trade Name:			
PDF Link:			

19	2 of 3	ESE/242.1	194.0 / 2.12	LANDSCAPE VISIONS 5672 HANAN AVE NIAGARA FALLS ON L2G4E6	PES
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Detail Licence No:		Operator Box:	
Licence No:	09605	Operator Class:	
Status:		Operator No:	
Approval Date:		Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)	Oper Area Code:	905

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence Type:	Operator			Oper Phone No: 3586318	
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

19	3 of 3	ESE/242.1	194.0 / 2.12	LANDSCAPE VISIONS 5672 HANAN AVE NIAGARA FALLS ON L2G4E6	PES
Detail Licence No:				Operator Box:	
Licence No:	08397			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	905
Licence Type:	Operator			Oper Phone No:	3586318
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

20	1 of 1	NNW/243.2	189.8 / -2.09	ON	BORE
Borehole ID:	603657			Inclin FLG:	No
OGF ID:	215505466			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	MAY-1965			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.095841
Total Depth m:	17.5			Longitude DD:	-79.098549
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	654745
Drill Method:	Diamond Drill			Northing:	4773213
Orig Ground Elev m:	189			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	189				
Concession:					
Location D:					
Survey D:					
Comments:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218361931			Mat Consistency:	Dense
Top Depth:	2.7			Material Moisture:	
Bottom Depth:	15.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT,SAND,GRAVEL. BROWN,DENSE TO VERY DENSE, LAYERED.				
Geology Stratum ID:	218361932			Mat Consistency:	
Top Depth:	15.5			Material Moisture:	
Bottom Depth:	17.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	TILL,SILT,SAND, GRAVEL. 020 022 0000002600090050 018020 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218361930			Mat Consistency:	Compact
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT,SAND,GRAVEL. BROWN,COMPACT.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: NIAGARA.txt RecordID: 010700 NTS_Sheet: 30M03A				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
21	1 of 2	SSW/249.6	199.3 / 7.42	District School Board of Niagara 5775 Drummond Rd Niagara Falls ON L2R 7P4	ECA
Approval No:	1447-7D5MBR			MOE District:	Niagara
Approval Date:	2008-03-27			City:	
Status:	Approved			Longitude:	-79.09877

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type:	ECA			Latitude: 43.091328	
Link Source:	IDS			Geometry X:	
SWP Area Name:	Niagara Peninsula			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	District School Board of Niagara				
Address:	5775 Drummond Rd				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8960-753NQG-14.pdf				

21	2 of 2	SSW/249.6	199.3 / 7.42	DISTRICT SCHOOL BOARD OF NIAGARA STAMFORD COLLEGIATE VOCATIONAL INST. 5775 DRUMMOND ROAD NIAGARA FALLS ON L2G 4L2	GEN
Generator No:	ON0001712			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Apr 2021			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					

Detail(s)

Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	264 C
Waste Class Desc:	Photoprocessing wastes
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	213 I
Waste Class Desc:	Petroleum distillates
Waste Class:	243 D
Waste Class Desc:	PCB
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CITY	PROSPECT ST.	NIAGARA FALLS ON	
CA	R.M. OF NIAGARA	DRUMMOND RD. SEWAGE P.S.	NIAGARA FALLS CITY ON	
CA	CITY	PROSPECT ST.	NIAGARA FALLS ON	
ECA	800460 Ontario Limited	Frederica St	Niagara Falls ON	L2E 6S5
WWIS		HWY 420	Niagara Falls ON	

Unplottable Report

Site: CITY
PROSPECT ST. NIAGARA FALLS ON

Database:
CA

Certificate #: 7-0877-85-006
Application Year: 85
Issue Date: 10/31/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF NIAGARA
DRUMMOND RD. SEWAGE P.S. NIAGARA FALLS CITY ON

Database:
CA

Certificate #: 8-2290-95-
Application Year: 95
Issue Date: 9/21/1995
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: EMERGENCY GENERATOR FOR SEWAGE PUMP STA.
Contaminants: Nitrogen Oxides
Emission Control: No Controls

Site: CITY
PROSPECT ST. NIAGARA FALLS ON

Database:
CA

Certificate #: 3-1311-85-006
Application Year: 85
Issue Date: 10/31/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 800460 Ontario Limited
Frederica St Niagara Falls ON L2E 6S5

Database:
ECA

Approval No: 1348-9BVR23
Approval Date: 2013-10-04
MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 800460 Ontario Limited
Address: Frederica St
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5752-9BMGHZ-14.pdf>

Longitude:
Latitude:
Geometry X:
Geometry Y:
Data Entry Status:
Data Src:
Date Received: 1/19/2015
Selected Flag: True
Abandonment Rec:
Contractor: 7238
Form Version: 7
Owner:
Street Name: HWY 420
County:
Municipality:
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Site: HWY 420 Niagara Falls ON

Database: WWIS

Well ID: 7235884
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z198680
Tag: A174391
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 1/19/2015
Selected Flag: True
Abandonment Rec:
Contractor: 7238
Form Version: 7
Owner:
Street Name: HWY 420
County:
Municipality:
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005288783
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 1005486693
Layer: 1
Color: 8
General Color: BLACK
Mat1: 27
Most Common Material: OTHER
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0

Formation End Depth: 0.5
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 1005486694
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.5
Formation End Depth: 51.5
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 1005486695
Layer: 3
Color: 2
General Color: GREY
Mat1: 27
Most Common Material: OTHER
Mat2:
Mat2 Desc:
Mat3: 71
Mat3 Desc: FRACTURED
Formation Top Depth: 51.5
Formation End Depth: 85.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1005486705
Layer: 2
Plug From: 2
Plug To: 77
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1005486704
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1005486706
Layer: 3
Plug From: 77
Plug To: 85
Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 1005486703
Method Construction Code: 6
Method Construction: Boring
Other Method Construction: DIAMOND

Pipe Information

Pipe ID: 1005486692
Casing No: 0
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 1005486700
Layer: 1
Slot: .10
Screen Top Depth: 80
Screen End Depth: 85
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.5

Water Details

Water ID: 1005486698
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005486696
Diameter: 8.25
Depth From: 0.0
Depth To: 51.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1005486697
Diameter: 4.0
Depth From: 51.5
Depth To: 85.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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: May 31, 2021

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- Jun 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: May 31, 2021

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- Jun 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- Jun 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- Jun 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-Jun 30, 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: May 31, 2021

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- Jun 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: May 31, 2021

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- Jun 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-Jun 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: May 31, 2021

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- Jun 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 D

PHOTOGRAPHS OF TYPICAL SITE CONDITIONS

Photograph 1


Site grounds



Photograph 2

Site grounds



 LANDTEK LIMITED	
Project No. 24302	Date: October 2024
Phase 1 ESA 5558 Drummond Road & 6141 North Street Niagara Falls, Ontario	
Title:	Typical Site Condition Photographs

Photograph 3

Site grounds



Photograph 4

Site grounds



LANDTEK LIMITED

Project No.

24302

Date: October 2024

Phase 1 ESA
5558 Drummond Road & 6141 North Street
Niagara Falls, Ontario

Title:

Typical Site Condition Photographs