Technical Memorandum

To:	Tony Volpeontesta	**From:**	Tomaso Marangoni
Company:	1764174 Ontario Inc.	**SLR Consulting (Canada) Ltd.**	
cc:	Keni Mallinen	**Date:**	March 24, 2025
		Project No.	241.031162.00001
		Revision	01

RE: Methane Gas Study
2343 Eglington Avenue West, Toronto

1.0 Introduction and Background

SLR Consulting (Canada) Ltd. (SLR) was retained by 1764174 Ontario Inc. (the "Client") to conduct a Methane Gas Study (formerly "D-4 Landfill Impact Assessment") at 2343 Eglinton Avenue West, Toronto, ON (the "Site" or the "Property") (**Figure 1**). This report presents the results of the investigation and the conclusions drawn based on the data collected and reviewed.

The Site is located on the south side of Eglinton Avenue West, extending east to Caledonia Road and to Gilbert Avenue in the west. The Site hosted a series of existing buildings that have been used as a new and used car dealership establishment up to 2012. Since 2012, the Site has been used as a Shoppers Drug Mart store. It is rectangular in shape and generally flat, and has an approximate area of 4,631 square metres (m^2). Land use to the west of the site, on the opposite side of Gilbert Avenue, is public park, and uses to the east, north and south are low density residential.

The information contained in the following background documents were relied upon by SLR to prepare this Methane Gas Study for the proposed redevelopment at the Site:

- Raw Design Inc. – Architectural Drawings Issued for Coordination, 2343 Eglinton Ave. W., Toronto – March 12th, 2025.
- Borehole logs from Groundwater Environment Management Services (GEMS hereinafter)S.

The Methane Gas Study Terms of Reference (TOR) for the City of Toronto has been developed to provide clarity for applicants and their consultants for development sites that are on or within the vicinity of a known or suspected closed (former) municipal landfill. The purpose of the study is to test and assess the presence of methane, identify any adverse impacts and implement any necessary remediation measures, as necessary.

The Methane Gas Study comprises a subsurface field investigation and a resulting subsurface gas investigation report. The TOR require a minimum of two rounds of gas testing is required and at least three testing locations are required.

For additional content requirements of the Methane Gas Study, the TOR references the following Ministry of the Environment, Conservation and Parks (MECP) Guidelines:

- D-4 Land Use On or Near Landfills and Dumps; and
- D-4-1 Assessing Methane Hazards from Landfill Sites.

D-4 studies are required in order to:

- “protect the health, safety, convenience and welfare of residents near such facilities [Landfill Sites]” by restricting or controlling land use in their vicinity. The guideline stipulates that a D-4 study should consider “groundwater and surface water contamination by leachate, surface runoff, ground settlement, visual impacts, soil contamination and hazardous waste, and landfill generated gases. Particular attention shall be given to the production and migration of methane gas.” 4. Section 5.3 of Guideline D-4 further specifies that “where the actual influence area of a site has been determined to be less than the 500 m study area…the study area for land use proposals can be reduced to coincide with the actual influence area.”

The D-4 guideline specifies restrictions and controls on land use that the MECP considers in the vicinity of landfills and dumps, in order to protect the health, safety, convenience and welfare of residents near such facilities. The application of the guideline extends to all proposals for land use on, or near, operating and non-operating landfills, (as defined in O. Reg. 347) and dumps which contain municipal solid waste, industrial solid waste and/or sewage sludges. The guideline applies to all such facilities regardless of ownership. It does not apply to lands certified as organic soil conditioning sites under O. Reg. 347. Section 4.2 of the Ministry's D-4 Guideline Summary states that for all non-operating waste disposal Sites, “Factors to be considered when land use is proposed on or near a non-operating site include: ground and surface water contamination by leachate, surface runoff, ground settlement, visual impact, soil contamination and hazardous waste, and landfill— generated gases (e.g., Methane)”.

2.0 Desktop Review

2.1 Background Geology

The Site is situated in the physiographic region referred to as the South Slope physiographic region, characterized by a gentle rolling till plain, characterized by numerous drumlins oriented upslope (Chapman & Putnam, 1984). Overburden materials deposited at the Site are reported to consist mainly of stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain. This unit is referred to as the Newmarket Till.

Paleozoic bedrock in the area is mapped as Upper Ordovician deposits of shale and limestone belonging to the Georgian Bay Formation (OGS, 1991).

2.2 Records Review

ERIS was retained by SLR to conduct a search of available public (federal and provincial government) and private waste disposal site databases for records pertaining to the Site and surrounding areas. SLR reviewed the ERIS Database Report in its entirety as part of the Methane Gas Study background information review.

A total of eight (8) records were identified, none of which is located within the Site. A copy of the ERIS Database Report is provided in **Appendix A**. **Table 1** below summarizes the records included in the ERIS report.

Table 1: ERIS Report Summary

Record #	Location Description	Date Active	Distance (m)	Landfill Type
1	Abuts factory property at 486 Gilbert Ave in 1922; corner Gilbert Ave and Eglinton Ave 1920	1920 - 1922	149.8	Open faced dump
2	West side of Gilbert Ave, North of line of Eglinton Ave in 1923, South of Eglinton Ave today, East of CNR tracks	1925-1929	150.0	Open faced dump
3	Vicinity of Eglinton and CNR trackage West of Croham	1928-1929	150.0	Open faced dump
4	Premises of former woodworking factory at 462 Gilbert Ave	1947	147.2	Illegal Trash Site
5	York Con 3 WYS lot 2 pt (RP 1700 lots 16, 41)	1950	155.9	Open faced dump
6	N side of Eglinton Ave W, W of CNR tracks	1947	156.4	Open Faced Fill
7	Former gravel pit at Westside Mall at 2400 to 2416 Eglinton Ave W	1949-1950	153.8	Fill large former gravel pit prior to construction
8	South side of Schell Ave, Est of Caledonia Rd	1957	159.8	Auto junkyard

3.0 Investigation Method

SLR conducted a Site-specific health and safety hazard assessment and communicated it with the field staff prior to commencing the field activities. The Methane Gas assessment was completed on two separate days, September 5th, 2024 and September 16th, 2024.

3.1 Monitoring Well Headspace Methane Monitoring

SLR staff monitored the existing five (5) monitoring wells completed by GEMS (BH-1, BH-2, BH-3, BH-4 and BH-5) during the two (2) monitoring events for measurements of methane in well headspace using an RKI Eagle. The RKI Eagle detection limit ranges from 5 parts per million (ppm) to 100% LEL. For methane, 500 ppm is equivalent to 1% LEL; 20% LEL is equivalent to 1% Gas.

Monitoring wells BH-1, BH-2, BH-3 and BH-5 were found dry during both the events. At monitoring well BH-4, the water level was above the top of the monitoring well screen during the two monitoring events meaning that methane gas may not be able to migrate into the well from the soil or groundwater.

During the September 2024 monitoring events, methane headspace concentrations at the monitoring wells (measured using the RKI Eagle) ranged from less than the instrument detection limit at BH-4 (September 4th, 2024) to 125 ppm at BH-1 (September 15th, 2024). Methane concentrations at all groundwater monitoring wells were relatively consistent across the two monitoring events. The highest methane concentration of 125 ppm is equivalent to 0.01% Gas. The combustible headspace concentrations are presented in **Table 2**.

The locations of the monitoring wells are depicted in **Figure 1**, the borehole Logs are included in **Appendix B**.

Table 2: Methane concentrations measured in Monitoring Wells

Monitoring Well	Date	Methane (ppm)	Water Level (mbgs)
BH-1	September 4th, 2024	85	dry
	September 15th, 2024	125	dry
BH-2	September 4th, 2024	40	dry
	September 15th, 2024	45	dry
BH-3	September 4th, 2024	35	dry
	September 15th, 2024	110	dry
BH-4	September 4th, 2024	55	13.34
	September 15th, 2024	0	13.47
BH-5	September 4th, 2024	35	dry
	September 15th, 2024	55	dry

3.2 Sub-Slab Vapour Field Program

On September 4th, 2024 and September 15th, 2024, SLR staff conducted methane vapour monitoring on two (2) Sub–Slab Vapour PINs® installed below the slab on grade foundation in the basement of the existing building on Site (Shoppers Drug Mart). Vapor PIN® sampling devices are used for the collection of sub-slab data used in support of vapor intrusion evaluations in indoor environment.

Vapor PINs® were installed on September 4th, 2024 by drilling two holes in the existing basement floor slab of the Shoppers Drug Mart. Upon competition of the Vapor PINs® installation, methane concentrations were measured using a RKI Eagle II(Eagle II), calibrated to detect methane.

A second round of methane measurements was completed on September 15th, 2024.

A summary of the data measured in the Vapor PINs® is provided in **Table 3** and the locations of the Vapor PINs® are depicted in **Figure 1**.

Table 3: Methane concentrations measured in Vapor PINs®

Monitoring Well	Date	Methane (ppm)
VP-1	September 4th, 2024	55
	September 15th, 2024	40
VP-2	September 4th, 2024	75
	September 15th, 2024	35

3.3 Shallow Borehole Sampling and Soil Vapour Monitoring

Five (5) shallow boreholes were advanced via hand auger on September 5th, 2024, and a total of five (5) soil samples were collected to assess the presence of methane in the shallow topsoil/fill at the Site. The soil samples were examined in the field for lithology as well as for aesthetic evidence of impacts (i.e., staining and/or odours). A portion of the soil was placed into plastic bags and allowed to rest before a RKI Eagle II (Eagle II), calibrated to detect methane, was used to measure the headspace vapor of the five (5) soil samples. Methane concentrations ranged from 270 ppm to 290 ppm.

A summary of the soil methane data is provided in **Table 4** and the locations of the shallow boreholes are depicted in **Figure 1**.

Table 4: Methane concentrations measured in shallow Topsoil/Fill

Monitoring Well	Date	Stratigraphy	Methane (ppm)
SBH1	September 5th, 2024	0 – 18” Topsoil 18” – 36” Fill (Sand and gravel with trace of silt)	290
SBH2	September 5th, 2024	0 – 6” Topsoil 6” – 36” Fill (Grey sand with some silt)	280
SBH3	September 5th, 2024	0 – 26” Topsoil Auger refusal at 26”	270
SBH4	September 5th, 2024	0 – 40” Topsoil	290
SBH5	September 5th, 2024	0 – 15” Topsoil 15” – 38” Fill	270

3.4 Dissolved Methane Concentrations

On September 5th, 2024, SLR conducted groundwater sampling to assess dissolved methane concentrations at the Site. One (1) unfiltered water sample was collected from monitoring well BH-4 and submitted to an accredited laboratory, ALS Laboratories, for the analysis of the Dissolved Methane concentration.

Groundwater samples were not collected from monitoring wells BH-1, BH-2, BH-3 and BH-5 due to the monitoring wells being dry.

The concentration of Dissolved Methane in the tested ground water sample was found to be below the Minimum Detection Limit (**Table 5**).

Table 5: Dissolved Methane concentrations

Monitoring Well	Date	Dissolved Methane (µg/L)	Dissolved Methane (ppmV)	Water Level (mbgs)
BH-4	September 5th, 2024	<5.0	<20.8	13.34
	September 15th, 2024	Not sampled	Not sampled	13.47

LEGEND

- Site boundaries
- BH-1 — Dry Shallow Monitoring Wells
- BH-4 — Deep Monitoring Well
- VP1 — Vapour Pins
- SBH3 — Manual auger hole

0 2 4 10 20

Figure 1:
Site and field investigation locations

4.0 Quality Assurance/Quality Control

SLR quality assurance/quality control (QA/QC) procedures include reviewing the data collected for precision and accuracy and following the appropriate field protocols.

The field procedures for QA/QC involved:

- Changing nitrile gloves between sample collections;
- Using supplier calibrated field methane detection equipment;
- Using sample containers provided by the laboratory;
- Cleaning monitoring and sampling tools between sample locations; and
- Documenting field procedures and sampling activities.

5.0 Potential Methane Gases Impacts

Based on the findings described above, methane gases at the Site are found to be below the threshold highlighted in the Methane Gas Study TOR, which is equal to is 1% by volume (20% of LEL). The maximum methane concentration measured at the Site was 290 ppm (approximately 0.03% by volume), which nearly two orders of magnitude below the TOR threshold value.

Based on the methane gas concentrations detected during this study, additional methane testing is not required for the Site and methane gas control is not recommended for the proposed development.

6.0 Conclusions

Based upon the results of the Methane Gas Study, SLR has developed the following conclusions:

- The site hosts a deep groundwater table with groundwater levels at the Site at approximately 13.4 mbgs;
- Dissolved Methane concentration measured at BH-4 is below the Minimum Detection Limit;
- Methane concentrations measured from the monitoring well headspace range from 0 to 125 ppm;
- Methane concentrations in the topsoil / fill soils, measured at five (5) locations, ranged from 270 to 290 ppm; and
- Methane concentrations in the sub slab Vapour PINs® ranged from 35 to 75 ppm.

Based upon the results of the Methane Gas Study, there are no indications of Methane impacts at the Site and no mitigations related to methane are recomended.

7.0 Statement of Limitations

This report has been prepared by SLR Consulting (Canada) Ltd. (SLR) for 1764174 Ontario Inc. (Client) in accordance with the scope of work and all other terms and conditions of the agreement between such parties. SLR acknowledges and agrees that the Client may provide this report to government agencies, interest holders, and/or Indigenous communities as part of project planning or regulatory approval processes. Copying or distribution of this report, in whole

or in part, for any other purpose other than as aforementioned is not permitted without the prior written consent of SLR.

Any findings, conclusions, recommendations, or designs provided in this report are based on conditions and criteria that existed at the time work was completed and the assumptions and qualifications set forth herein.

This report may contain data or information provided by third party sources on which SLR is entitled to rely without verification and SLR does not warranty the accuracy of any such data or information.

Nothing in this report constitutes a legal opinion nor does SLR make any representation as to compliance with any laws, rules, regulations, or policies established by federal, provincial territorial, or local government bodies, other than as specifically set forth in this report. Revisions to legislative or regulatory standards referred to in this report may be expected over time and, as a result, modifications to the findings, conclusions, or recommendations may be necessary.

8.0 Closure

We trust that this information satisfies your current requirements. Should you have any comments or concerns, or should you require any further clarification of the data and interpretation included herein, please contact the undersigned.

Regards,

SLR Consulting (Canada) Ltd.

Tomaso Marangoni, M.Sc., P.Geo.
Senior Hydrogeologist

Jason Cole, M.Sc., P.Geo.
Technical Discipline Manager, Hydrology and Hydrogeology

Appendix A
Environmental Risk Information Services Database Report (ERIS, 2024)

DATABASE REPORT

Project Property:	*Methane Study* *2343 Eglinton Avenue West* *York ON M6E 2L6*
Project No:	*241.031162.00001*
Report Type:	*Waste Disposal Site Report*
Order No:	*24082601887*
Requested by:	*SLR Consulting (Canada) Ltd.*
Date Completed:	*August 29, 2024*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Methane Study* *2343 Eglinton Avenue West York ON M6E 2L6*
Project No:	*241.031162.00001*

Coordinates:

Latitude:	*43.6926325*
Longitude:	*-79.4627536*
UTM Northing:	*4,838,883.29*
UTM Easting:	*623,882.54*
UTM Zone:	*17T*

Elevation:	*498 FT* *151.85 M*

Order Information:

Order No:	*24082601887*
Date Requested:	*August 26, 2024*
Requested by:	*SLR Consulting (Canada) Ltd.*
Report Type:	*Waste Disposal Site Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.50 km	Total
AAGR	Abandoned Aggregate Inventory	N	-	-	-
AGR	Aggregate Inventory	N	-	-	-
AMIS	Abandoned Mine Information System	N	-	-	-
ANDR	Anderson's Waste Disposal Sites	Y	0	8	8
AST	Aboveground Storage Tanks	N	-	-	-
AUWR	Automobile Wrecking & Supplies	N	-	-	-
BORE	Borehole	N	-	-	-
CA	Certificates of Approval	N	-	-	-
CDRY	Dry Cleaning Facilities	N	-	-	-
CFOT	Commercial Fuel Oil Tanks	N	-	-	-
CHEM	Chemical Manufacturers and Distributors	N	-	-	-
CHM	Chemical Register	N	-	-	-
CNG	Compressed Natural Gas Stations	N	-	-	-
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	N	-	-	-
CONV	Compliance and Convictions	N	-	-	-
CPU	Certificates of Property Use	N	-	-	-
DRL	Drill Hole Database	N	-	-	-
DTNK	Delisted Fuel Tanks	N	-	-	-
EASR	Environmental Activity and Sector Registry	N	-	-	-
EBR	Environmental Registry	N	-	-	-
ECA	Environmental Compliance Approval	N	-	-	-
EEM	Environmental Effects Monitoring	N	-	-	-
EHS	ERIS Historical Searches	N	-	-	-
EIIS	Environmental Issues Inventory System	N	-	-	-
EMHE	Emergency Management Historical Event	N	-	-	-
EPAR	Environmental Penalty Annual Report	N	-	-	-
EXP	List of Expired Fuels Safety Facilities	N	-	-	-
FCON	Federal Convictions	N	-	-	-
FCS	Contaminated Sites on Federal Land	N	-	-	-
FOFT	Fisheries & Oceans Fuel Tanks	N	-	-	-
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	N	-	-	-
FST	Fuel Storage Tank	N	-	-	-
FSTH	Fuel Storage Tank - Historic	N	-	-	-
GEN	Ontario Regulation 347 Waste Generators Summary	N	-	-	-
GHG	Greenhouse Gas Emissions from Large Facilities	N	-	-	-
HINC	TSSA Historic Incidents	N	-	-	-
IAFT	Indian & Northern Affairs Fuel Tanks	N	-	-	-

Database	Name	Searched	Project Property	Within 0.50 km	Total
INC	Fuel Oil Spills and Leaks	N	-	-	-
LIMO	Landfill Inventory Management Ontario	N	-	-	-
MINE	Canadian Mine Locations	N	-	-	-
MNR	Mineral Occurrences	N	-	-	-
NATE	National Analysis of Trends in Emergencies System (NATES)	N	-	-	-
NCPL	Non-Compliance Reports	N	-	-	-
NDFT	National Defense & Canadian Forces Fuel Tanks	N	-	-	-
NDSP	National Defense & Canadian Forces Spills	N	-	-	-
NDWD	National Defence & Canadian Forces Waste Disposal Sites	N	-	-	-
NEBI	National Energy Board Pipeline Incidents	N	-	-	-
NEBP	National Energy Board Wells	N	-	-	-
NEES	National Environmental Emergencies System (NEES)	N	-	-	-
NPCB	National PCB Inventory	N	-	-	-
NPR2	National Pollutant Release Inventory 1993-2020	N	-	-	-
NPRI	National Pollutant Release Inventory - Historic	N	-	-	-
OGWE	Oil and Gas Wells	N	-	-	-
OOGW	Ontario Oil and Gas Wells	N	-	-	-
OPCB	Inventory of PCB Storage Sites	N	-	-	-
ORD	Orders	N	-	-	-
PAP	Canadian Pulp and Paper	N	-	-	-
PCFT	Parks Canada Fuel Storage Tanks	N	-	-	-
PES	Pesticide Register	N	-	-	-
PFCH	NPRI Reporters - PFAS Substances	N	-	-	-
PFHA	Potential PFAS Handlers from NPRI	N	-	-	-
PINC	Pipeline Incidents	N	-	-	-
PPHA	Potential PFAS Handlers from EASR	N	-	-	-
PRT	Private and Retail Fuel Storage Tanks	N	-	-	-
PTTW	Permit to Take Water	N	-	-	-
REC	Ontario Regulation 347 Waste Receivers Summary	N	-	-	-
RSC	Record of Site Condition	N	-	-	-
RST	Retail Fuel Storage Tanks	N	-	-	-
SCT	Scott's Manufacturing Directory	N	-	-	-
SPL	Ontario Spills	N	-	-	-
SRDS	Wastewater Discharger Registration Database	N	-	-	-
TANK	Anderson's Storage Tanks	N	-	-	-
TCFT	Transport Canada Fuel Storage Tanks	N	-	-	-
VAR	Variances for Abandonment of Underground Storage Tanks	N	-	-	-
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	N	-	-	-

Database	Name	Searched	Project Property	Within 0.50 km	Total
Total:		0		8	8

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	ANDR	Hope Dump	Toronto ON M6E	WSW/107.7	-2.05	13
2	ANDR	N Gilbert Dump	Toronto ON M6E	W/128.3	-1.87	13
3	ANDR	Eglinton & Croham Trash Site	Toronto ON M6E	W/149.5	-1.88	14
4	ANDR	Pride Wood Trash Site	Toronto ON M6E	SSW/211.2	-4.69	14
5	ANDR	Sanderstead & Bramley Fill	Toronto ON M6E	NNW/250.5	4.00	15
6	ANDR	Teperman & Sons Fill	Toronto ON M6M	W/282.2	4.56	15
7	ANDR	Westside Mall Dump	Toronto ON M6M 5E2	W/339.7	1.96	16
8	ANDR	Continental Salvage Co Ltd 1957	Toronto ON M6E	N/380.2	7.97	17

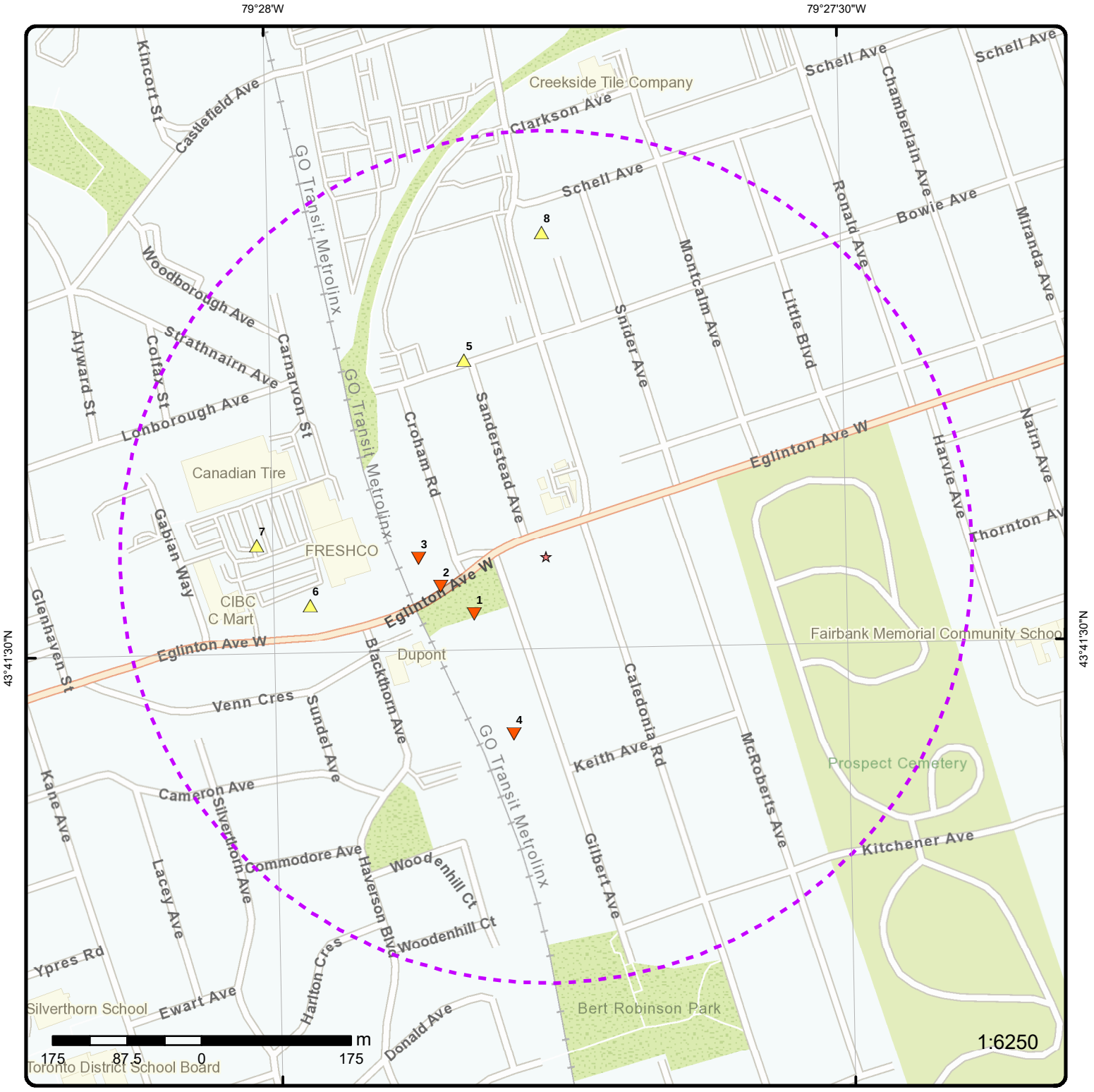
Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 8 ANDR site(s) within approximately 0.50 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Sanderstead & Bramley Fill	Toronto ON M6E	NNW	250.46	5
Teperman & Sons Fill	Toronto ON M6M	W	282.24	6
Westside Mall Dump	Toronto ON M6M 5E2	W	339.68	7
Continental Salvage Co Ltd 1957	Toronto ON M6E	N	380.18	8

Lower Elevation	Address	Direction	Distance (m)	Map Key
Hope Dump	Toronto ON M6E	WSW	107.67	1
N Gilbert Dump	Toronto ON M6E	W	128.26	2
Eglinton & Croham Trash Site	Toronto ON M6E	W	149.47	3
Pride Wood Trash Site	Toronto ON M6E	SSW	211.19	4



Map: 0.5 Kilometer Radius

Order Number: 24082601887

Address: 2343 Eglinton Avenue West, York, ON

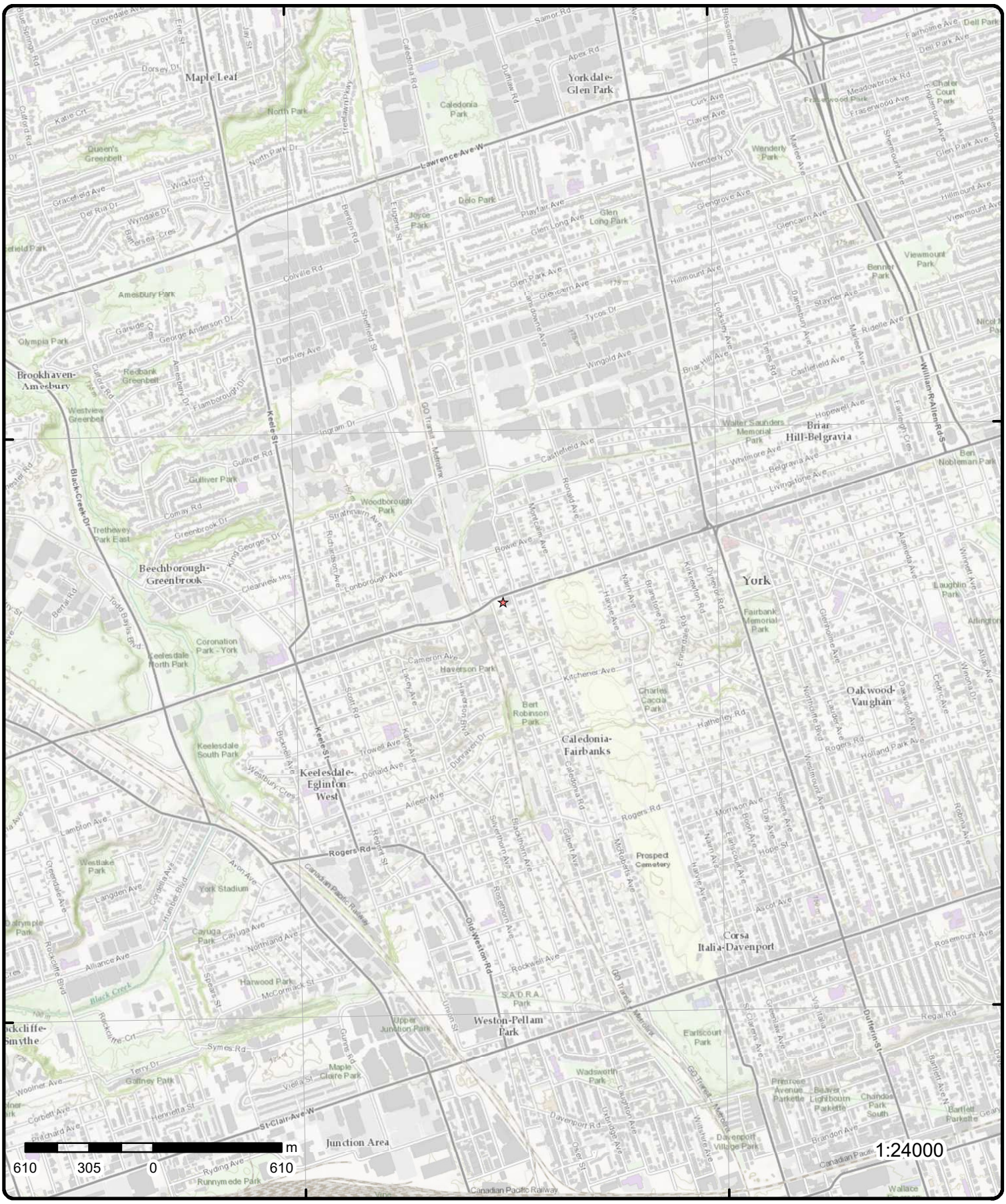
- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

Aerial **Year: 2021**

Order Number: 24082601887

Address: 2343 Eglinton Avenue West, York, ON

Source: ESRI World Imagery



Topographic Map

Address: 2343 Eglinton Avenue West, ON

Source: ESRI World Topographic Map

Order Number: 24082601887

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WSW/107.7	149.8 / -2.05	Hope Dump Toronto ON M6E	ANDR

Legal Description: York Con 3 FB
Location Description: Abuts factory property at 486 Gilbert Ave in 1922; orner Gilbert Ave and Eglinton Ave 1920
Municipality: York Township
Current Municipality: Toronto City
RM: Toronto City
Facility: Dump
Date Active: 1920-22
Date Begun:
Date Complete:
Area (Ha):
Landfill Type: open faced dump
Group Name: York Creek
Operated By:
Serial: YTP50 1921
NTS: 30M11
Diameter (m):

Historical Summary:

Hope Dump C D Windsor Sec, Fairbank Ratepayer¿s Assoc protests against the dump at Eglinton & Gilbert Aves (York Township Council Minutes 8 Sep 1914). West Fairbank Ratepayer¿s Association write re Township Garbage Dump, corner Gilbert Ave and Eglinton Ave (York Township Council Minutes 17 May 1920). Fairbank Ratepayer¿s Association re nuisances at Gilbert & Eglinton Ave (York Township Council Minutes 6 Aug 1920). Communication received from Farmer & Hope re nuisance caused by dump adjacent to the Hope Manufacturing Co's property (York Township Council Minutes 4 Jul 1921). Communication received from Farmer & Hope re garbage dump (York Township Council Minutes 8 Aug 1922). Hope Manufacturing Co (sash & door) at 486 Gilbert Ave in 1922 [Might 1922]. Hope Mfg Co of 456 Gilbert Ave has failed, owing property taxes (York Township Council Minutes 30 Mar 1925).

Waste Type:
UTM X Nad 27: 623785
UTM Y Nad 27: 4838595
UTM Zone: 17

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	W/128.3	150.0 / -1.87	N Gilbert Dump Toronto ON M6E	ANDR

Legal Description: York Con 3 FB [RP 1429 Lot 1 pt]
Location Description: Gilbert Ave, W side, N of line of Eglinton Ave in 1923, S of Eglinton Ave today, ES of CNR tracks
Municipality: York Township
Current Municipality: Toronto City
RM: Toronto City
Facility: Dump
Date Active: 1925-29
Date Begun:
Date Complete:
Area (Ha):
Landfill Type: Open faced dump
Group Name: York Creek
Operated By: York Tp, Owner
Serial: YTP69 1927
NTS: 30M11

Diameter (m):

Historical Summary:

North Gilbert Dump Fairbank Fire Board writes re garbage dump at Gilbert & Eglinton. Referred to road supt (York Township Council Minutes 26 Jun 1925). F B Goedike writes re garbage dump in vicinity of 519 Gilbert Ave (York Township Council Minutes 6 May 1927). Township solicitors write re R P Johnson permission to dump on lot 1 Plan 1429 (York Township Council Minutes 9 May 1927). Works Commissioner F B Goedike in deputation re garbage dump Eglinton Ave., (York Township Council Minutes 11 Jun 1928) Resolution 13409 approves report of engineer proposing a realignment of where Eglinton Ave crosses CNR W of Gilbert, including new bridge (York Township Council Minutes 18 Jun 1928). CNR writes re garbage dump at the end of Eglinton Ave. Referred to Engineer (York Township Council Minutes 9 Jul 1929). F B Goedike writes re garbage dump Eglinton Ave., (York Township Council Minutes 6 Aug 1929). F B Goedike writes re garbage dump Eglinton Ave., (York Township Council Minutes 8 Aug 1929). Atlas Iron etc., writes re embodying in twp contract for the fill on Eglinton Ave [diversion around CNR]. (York Township Council Minutes 30 Sep 1929). Atlas Iron, Wire & General Metal Works. (York Township Council Minutes 21 Oct 1929). Goad 1923 Location of Lot 1 RP 1429 shown on on Goad 1923 Vol 2 Pl 71. Dump not marked.

Waste Type: MSW
UTM X Nad 27: 623746
UTM Y Nad 27: 4838627
UTM Zone: 17

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3 | ***1 of 1*** | ***W/149.5*** | ***150.0 / -1.88*** | ***Eglinton & Croham Trash Site*** | ***ANDR***

Toronto ON M6E

Legal Description: York Con 3 WYS
Location Description: Vicinity of Eglinton and CNR trackage W of Croham
Municipality: York Township
Current Municipality: Toronto City
RM: Toronto City
Facility: Dump
Date Active: 1928-29
Date Begun:
Date Complete:
Area (Ha):
Landfill Type: open face dump
Group Name: York Creek
Operated By: clandestine
Serial: YTP80 1928
NTS: 30M11
Diameter (m):

Historical Summary:

Eglinton & Croham Trash Site A Bradshaw & Sons write re nuisance arising from garbage location Eglinton & Crohan Rd, engineer to report (York Township Council Minutes 5 Jul 1928). [Croham Rd: N from 1392 Eglinton Ave W, 1st E of CNR (Might 1928)]. A Bradshaw & Son write re garbage dump Eglinton Ave., (York Township Council Minutes 20 May 1929).

Waste Type: clandestine trash site
UTM X Nad 27: 623720
UTM Y Nad 27: 4838660
UTM Zone: 17

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4 | ***1 of 1*** | ***SSW/211.2*** | ***147.2 / -4.69*** | ***Pride Wood Trash Site*** | ***ANDR***

Toronto ON M6E

Legal Description: York Con 3 FB [RP 1429 Lots 5-6]
Location Description: premises of foprmer woodworking factory at 462 Gilbert Ave
Municipality: York Township
Current Municipality: Toronto City
RM: Toronto City
Facility: Dump
Date Active: 1947

Date Begun:
Date Complete:
Area (Ha):
Landfill Type: illegal trash site
Group Name:
Operated By: Pride Wood Mfg Co
Serial: YTP145 1947
NTS: 30M11
Diameter (m):

Historical Summary:

Pride Wood Trash Site Sawdust, woodworking factory 462 Gilbert Ave, RP 1429 Lots 5-6, Pride Wood Mfg Co. Not erecting a permanent building, and using the temp one as a planning mill. Licence to be terminated. Sawdust being dumped from property. Mr Riley ordered to clean up the property and remove sawdust and shavings (York Township General Purposes Committee Minutes 23 Jun 1947). The offer of Pride Wood Mfg Co to buy RP 1429 Lots 5-6 pt W side Gilbert is cancelled at the request of the company (York Township General Purposes Committee Minutes 10 Nov 1947). Refuse on property formerly used by Pride-Wood Co: sawdust, burned timbers, loose materials. Works to clean up, recover costs from the refund to be made to Pride Wood (York Township General Purposes Committee Minutes 8 Dec 1947).

Waste Type: sawdust, burned timbers, loose materials
UTM X Nad 27: 623832
UTM Y Nad 27: 4838454
UTM Zone: 17

5	1 of 1	NNW/250.5	155.9 / 4.00	Sanderstead & Bramley Fill Toronto ON M6E	ANDR

Legal Description: York Con 3 WYS lot 2 pt (RP 1700 lots 16, 41)
Location Description:
Municipality: York Township
Current Municipality: Toronto City
RM: Toronto City
Facility: Dump
Date Active:
Date Begun:
Date Complete:
Area (Ha):
Landfill Type: open faced dump
Group Name: Green Brook
Operated By:
Serial: YTP98
NTS: 30M11
Diameter (m):

Historical Summary:

Sanderstead & Bramley Fill Locksley Builders Ltd wants to purchase RP 1700 lot 16 on W side of Bramley Grove and N 25 of lot 41 on E side of Sanderstead Ave. However, the Committee is told that Lot 41 is very low lying and had a watercourse on it prior to sewers being laid, running east to west. So a lot of fill would be required. The Committee refused the sale. [Green Brook] (York Township General Purposes Committee 30 Jan 1950).

Waste Type:
UTM X Nad 27: 623773
UTM Y Nad 27: 4838893
UTM Zone: 17

6	1 of 1	W/282.2	156.4 / 4.56	Teperman & Sons Fill Toronto ON M6M	ANDR

Legal Description: York Con 3 WYS Lot 1 pt
Location Description: N side of Eglinton Ave W, W of CNR tracks
Municipality: York Township

Current Municipality:	Toronto City
RM:	Toronto City
Facility:	Fill
Date Active:	1947
Date Begun:	
Date Complete:	
Area (Ha):	
Landfill Type:	open faced fill
Group Name:	York Creek
Operated By:	Teperman & Sons
Serial:	YTP137
NTS:	30M11
Diameter (m):	

Historical Summary:

Teperman & Sons Fill Teperman & Sons, Eglinton Ave Residents in deputation object to a proposed salvage yard on Eglinton Ave W of CNR, E of Glenhaven for Teperman & Sons. New and used lumber and building materials. Township has already passed a bylaw 13031 to allow this (York Township Council Minutes 2 Jun 1947). Teperman & Sons salvage yard: another deputation of residents opposed (York Township Council Minutes 16 Jun 1947). Part of the William T Harris estate has been sold to Teperman & Sons, on Eglinton Ave, for a wrecking and salvage lot (York Township General Purposes Committee Minutes 21 Apr 1947). Teperman & Sons anxious to complete their purchase of the lands on N side of Eglinton W of CNT for a salvage yard. OMB has approved the bylaw enabling this (York Township General Purposes Committee Minutes 9 Jun 1947). Salvage Yard, Eglinton Ave W: Despite opposition, the OMB has ruled that the bylaw permitting the salvage yard is to stand (York Township General Purposes Committee Minutes 23 Jun 1947). Joseph Teperman & Sons, Eglinton Ave W, W of CNR apply for second hand shop licence, lumber & building materials. Approved (York Township General Purposes Committee Minutes 2 Jul 1947). Beechborough Ratepayers¿ Assoc re Teperman & Sons: Teperman's appear to want to fill the low lying parts of their property, BRA opposes this. Township says they can¿t be stopped from doing this, as long as they obey the bylaws (York Township General Purposes Committee Minutes 17 Nov 1947). Filling of land on Eglinton Ave. Township to prevent filling of these lands by unauthorised persons, N limit of Eglinton Ave adjoining lands of Teperman & Sons (York Township General Purposes Committee 21 Nov 1949).

Waste Type:	
UTM X Nad 27:	623593
UTM Y Nad 27:	4838605
UTM Zone:	17

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7 ***1 of 1*** ***W/339.7*** ***153.8 / 1.96*** ***Westside Mall Dump*** ***ANDR***

Toronto ON M6M 5E2

Legal Description:	York Con 3 WYS Lot 6 pt
Location Description:	former gravel pit at Westside Mall at 2400 to 2416 Eglinton Ave W
Municipality:	York Township
Current Municipality:	Toronto City
RM:	Toronto City
Facility:	Dump
Date Active:	1949-50
Date Begun:	1949
Date Complete:	
Area (Ha):	
Landfill Type:	fill large former gravel pit prior to construction
Group Name:	York Creek
Operated By:	Private/Toronto DSC
Serial:	YTP14
NTS:	30M11
Diameter (m):	

Historical Summary:

Westside Mall Dump In September-October 1949 and 1950 the owners, Patterson & Hanes, requested Toronto DSC to begin dumping ashes and mixed waste into a large empty gravel pit on the property at 2400-2416 Eglinton Ave W. Initially they said that 500,000 cubic yards was available. The DSC was attracted by the size of the hole but discouraged by the long distance of haulage. By the fall of 1949, and before the DSC had begun dumping, the owners had already received 50,000 cubic yards of material from other sources. The property being filled extended to adjacent lots, allowing perhaps another 100,000 cubic yards of fill. The DSC Western Division, who inspected the site felt it would make an ideal long-term dumpsite for the ashes & refuse of the Western and Northern Divisions of the DSC. Commissioner Bradley indicated that filling would begin by the DSC at the beginning of the 1950-51 winter (CTA Deposits of Fill RG8 Box 74 File 26 includes map). Filling of land on Eglinton Ave. Township to prevent filling of

these lands by unauthorised persons, N limit of Eglinton Ave adjoining lands of Teperman & Sons (York Township General Purposes Committee 21 Nov 1949). 1954 Air Photos Ground disturbance marked [YUML 1954 Air Photos]. 1974 NTS 1:25,000 Map Not marked, on site shopping centre with parking lot, marshy ground, N of Eglinton Ave W, W of CNR [1974 NTS 1:25,000 Map West Toronto ON Sheet 30M11E Edition 3 (Air photos 1969, culture check 1970, printed 1974)]. Removal of hump, township property E side of Carnarvon St: Patterson & Hanes want to remove some earth. Agreed on condition that the site is finished to York¿s satisfaction (York Township General Purposes Committee 8 May 1950).

Waste Type: street sweepings, ashes, mixed waste, ashes & rubbish
UTM X Nad 27: 623530
UTM Y Nad 27: 4838675
UTM Zone: 17

8	1 of 1	N/380.2	159.8 / 7.97	Continental Salvage Co Ltd 1957 Toronto ON M6E	ANDR

Legal Description: York Con 3 FB
Location Description: S side of Schell Ave, ES of Caledonia Rd
Municipality: York Township
Current Municipality: Toronto City
RM: Toronto City
Facility: Auto junkyard
Date Active: 1957
Date Begun:
Date Complete:
Area (Ha): 0.2476
Landfill Type:
Group Name:
Operated By: Continental Salvage Co Ltd
Serial: JY TOR13 1957
NTS: 30M11
Diameter (m):

Historical Summary:

Continental Salvage Co Ltd 1957 USB Toronto Vol 7 Nov 1957 Plate 712 Continental Salvage Co Ltd salvage warehouse 0.2476 HA marked at 201 Schell Ave, ES of Caledonia, N of Bowie Ave.

Waste Type:
UTM X Nad 27: 623864.22
UTM Y Nad 27: 4839041.54
UTM Zone: 17

Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
WDS	Aecon Construction Group Inc. and Dragados Canada, Inc.	Eglinton Ave E	Toronto ON	M4G 4E8

Unplottable Report

Site: ***Aecon Construction Group Inc. and Dragados Canada, Inc.***
Eglinton Ave E Toronto ON M4G 4E8

Database: ***WDS***

Approval No:	3888-9WVQEW	***Total Area (ha):***	
Mob Unit Cert No:		***Landfill Cap (m³):***	
EBR Registry No:		***Transfer Area (ha):***	
Status:	Approved	***Transfer Cap (m³):***	
Facility Type:		***Transfer Cert No:***	
Record Type:	ECA	***Inciner. Area (ha):***	
Link Source:	IDS	***Inciner. Cap (t):***	
Project Type:	WASTE DISPOSAL SITES	***Process Area (m³):***	
Application Status:		***Process Cap (m³/d):***	
Issue Date:	2015-07-30	***Process Vol (m³):***	
Input Date:		***Process Feed (m³):***	
Date Received:		***Site Concession:***	
Est Closure Date:		***Site Region/County:***	
Mobile Capacity:		***SWP Area Name:***	
Mobile Units:		***MOE District:***	
Mobile Description:		***District Office:***	
Prop City:		***Latitude:***	
Prop Postal:		***Longitude:***	
Prop Phone:		***Geometry X:***	
Serial Link:		***Geometry Y:***	
Approval Type:	ECA-WASTE DISPOSAL SITES		
Proponent:			
Prop Address:			
Proponent County/District:			
Full Address:	Eglinton Ave E		
Site Lot:			
Waste Class Code:			
Waste Class:			
Waste Type:			
Waste Type Other:			
Waste Description:			
Landfill Monitoring:			
Landfill Ctrl Type:			
Site Closing Description:			
Project Description:			
Municipalities Served:			
Approval Description:			
Other Approvals/Permits:			
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/9090-9WPHWG-14.pdf		
PDF Site Location:			

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

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-Apr 2024

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-Apr 30, 2024

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 2022

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: Oct 2023

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-Apr 30, 2024

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 -May 2024

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-May 2024

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - July 31, 2024

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 - Aug 2023

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: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Jul 31, 2024

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 - July 31, 2024

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Jul 31, 2024

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-Mar 31, 2024

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: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2023

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: Oct 2023

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-Jun 2024

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: Oct 31, 2021

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: Oct 2023

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-Oct 31, 2022

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 2022

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: 31 Oct, 2023

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: Mar 31, 2022

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-Feb 2024

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, 2022

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-Nov 2023

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-Jun 30, 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 1993-2020: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-May 31, 2024

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-Aug 2023

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 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 - July 31, 2024

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Jul 31, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - July 31, 2024

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, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Jul 2024

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-Apr 30, 2024

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 by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Mar 2024, May 2024 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Jan 2023; see description

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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 - Apr 2023

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Jul 31, 2024

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix B
Borehole Logs (GEMS, 2024)

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW1

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto

NORTHING (m):

EASTING (m):

ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd.

BOREHOLE DIAMETER (cm): 10

WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary

TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	0	ASPHALTIC CONCRETE 75 mm								bentonite and riser		
	0.5	FILL loose, moist, brown gravelly sand		9		1		9	100			
		FILL loose, moist, brown silty sand, some clay pockets										
	1	FILL stiff, moist, brown clayey silt, some sand trace gravel		10		2		10	100			
	1.5			42		3		42	30			
	2											
	2.5			24		4		24	100			
	3											
	3.5			78		5		78	100			
	4	very stiff to hard moist, brown SANDY CLAYEY SILT trace gravel (TILL) some oxidization		100+		7		100+	75			
	4.5									sand and riser		
	5			43				43	100	sand and screen		
	5.5											
	6											
	6.5			53		8		53	100			
	7											
	7.5											
	8			36		9		36	100			
	8.5											
	9	very dense, moist, brown fine SAND and SILT										
	9.5			82		10		82	100			
	10											

GEMS

LOGGED BY: AD

DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc. | PROJECT NO.: 24-0022 | **BOREHOLE NO. : MW1**

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION		ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	10.5				100+								
	11						11		100	100			
	11.5												
	12				100+								
	12.5						12		100	100			
	13	very dense, moist, brown fine SAND and SILT	moist ----- wet										
	13.5												
	14				76		13		76	50			
	14.5												
	15				100+								
	15.5						14		100	60			
	16												
	16.5				100+								
	17	very dense, wet, brown SAND trace to some silt					15		100	100			
	17.5												
	18												
	18.5				100+		16		100	85			
	19												
	19.5	very dense, wet, grey fine SAND and SILT											
	20				100+		17		100	75			

GEMS

LOGGED BY: AD | DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC |

CLIENT: 1764174 Ontario Inc. | PROJECT NO.: 24-0022 | **BOREHOLE NO. : MW1**

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	20.5	very dense, wet, grey fine SAND and SILT		100+		18		100	70			
	21											
	21.5											
	22											
	22.5											
	23			100+		19		100	75			
	23.5											
	24											
	24.5			100+		20		100	55			
	25											
	25.5	dense to very dense and hard wet, grey frequent layers of SILT and CLAYEY SILT										
	26			31		21		31	100			
	26.5											
	27											
	27.5			100+		22		100	100			
	28											
	28.5											
	29			100+		23A 23B		100	75			
	29.5											
	30	hard, moist, grey CLAYEY SILT										
	30.5											

GEMS

LOGGED BY: AD | DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC |

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW1

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 40.1

DEPTH (m)	SOIL DESCRIPTION	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	REMARKS
31		62		24		62	100	
31.5								
32		100+		25A 25 25B		100	100	
32.5								
33								
33.5		44		26		44	70	
34								
34.5								
35	hard and very stiff, moist grey CLAYEY SILT	36		27		36	100	
35.5								
36								
36.5								
37		38		28		38	100	
37.5								
38								
38.5		24		29		24	100	
39								
39.5								
40		30		30		30	100	
	END OF BOREHOLE							

WELL INSTALLATION NOTES | WELL SCHEMATIC

GEMS

LOGGED BY: AD | DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW2

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 20.0

DEPTH (m)	SOIL DESCRIPTION	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
0	ASPHALTIC CONCRETE 70 mm FILL loose, moist, brown gravelly sand	5		1		5	30	bentonite and riser		
1		16		2		16	100			
2		27		3		27	100			
3		43		4		43	65			
4	very stiff to hard moist, brown SANDY CLAYEY SILT trace gravel (TILL)	77		5		77	100			
5		100+		6		100+	100	sand and riser sand and screen		
6		100+		7		100+	100			
7		100+		8		100+	75			
8		100+		9		100+	75			
8.5	very dense, moist, brown SANDY SILT trace gravel, trace clay									
9										
9.5										
10										

GEMS

LOGGED BY: AD | DRILLING DATE:

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW2

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 20.0

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	10.5	very dense, wet, brown SANDY SILT trace gravel, trace clay		100+		10		100	100			
	11											
	11.5											
	12			43		11		43	75			
	12.5											
	13											
	13.5	very dense, wet, grey SILT and fine SAND		100+		12		100	75			
	14											
	14.5											
	15											
	15.5			100+		13		100	60			
	16											
	16.5											
	17			100+		14		100	75			
	17.5											
	18											
	18.5			100+		15		100	100			
	19											
	19.5											
		END OF BOREHOLE		100+		16		100	100			

GEMS

LOGGED BY: AD | DRILLING DATE:

REVIEWED BY: KC |

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW3

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto

NORTHING (m):

EASTING (m):

ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd.

BOREHOLE DIAMETER (cm): 10

WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary

TOTAL DEPTH OF BOREHOLE (m): 20.0

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	0	ASPHALTIC CONCRETE 70 mm								bentonite and riser		
	0	FILL very loose, moist, brown gravelly sand		4		1		4	30			
	0.5	FILL very loost, moist dark brown and brown sandy silt, some gravel										
	1			8		2		8	100			
	1	firm										
	1.5	----- hard										
	1.5			38		3		38	100			
	2											
	2.5			44		4		44	65			
	3	moist, brown SANDY CLAYEY SILT trace gravel (TILL)			100+	5		100+	100			
	3.5											
	4											
	4.5				100+	6		100+	100	sand and riser		
	5									sand and screen		
	5.5											
	6				100+	7		100+	100			
	6.5											
	7											
	7.5	very dense, moist, brown SAND some silt-silty		38		8		38	75			
	8											
	8.5											
	9				100+	9		100+	75			
	9.5											
	10											

GEMS

LOGGED BY: AD

DRILLING DATE:

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc.	PROJECT NO.: 24-0022	**BOREHOLE NO. : MW3**
PROJECT: Proposed High-Rise Development		
LOCATION: 2343 Eglinton Avenue West, Toronto	NORTHING (m):	EASTING (m): ELEV. (m)
DRILLING CONTRACTOR: Drilltech Drilling Ltd.	BOREHOLE DIAMETER (cm): 10	WELL DIAMETER (cm): 5
DRILLING METHOD: Augering, Mud Rotary		TOTAL DEPTH OF BOREHOLE (m): 20.0

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	10.5			100+		10		100	100			
	11											
	11.5	very moist --------- wet										
	12											
	12.5			43		11		43	75			
	13											
	13.5											
	14			90		12		90	75			
	14.5											
	15	dense to very dense, brown SAND some silt-silty										
	15.5			100+		13		100	60			
	16											
	16.5											
	17			100+		14		100	75			
	17.5											
	18											
	18.5			100+		15		100	100			
	19											
	19.5											
				100+		16		100	100			
		END OF BOREHOLE										

GEMS

LOGGED BY: AD

REVIEWED BY: KC

DRILLING DATE:

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW4

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto

NORTHING (m):

EASTING (m):

ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd.

BOREHOLE DIAMETER (cm): 10

WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary

TOTAL DEPTH OF BOREHOLE (m): 20.0

DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)
0	ASPHALTIC CONCRETE 70 mm	
	FILL loose, moist, brown gravelly sand	
0.5	FILL, loose, moist, dark brown and black silty sand, some clay	
1	FILL, loose, moist, brown silty sand	
	stiff, moist, brown SANDY CLAYEY SILT trace gravel (TILL) some oxidization	
1.5		
2	dense, moist, brown fine SAND, trace silt	
2.5		
3		
3.5		
4	hard, moist, brown SANDY CLAYEY SILT trace gravel (TILL) some oxidization	
4.5		
5		
5.5		
6		
6.5		
7		
7.5	very dense, moist, brown fine SAND and SILT	
8		
8.5		
9		
9.5		
10		

SHEAR STRENGTH ● (kPa) 40 80 120 160
▲ N-VALUE (Blows/300mm) 20 40 60 80

WATER CONTENT (%) PL W.C. LL 20 40 60 80

SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)
1A			
1B		7	30
2		14	100
3A			
3B		41	100
4		36	65
5		43	100
6		74	100
7		70	100
8		55	100
9		86	75
10		100+	75

WELL INSTALLATION NOTES: bentonite and riser

WELL SCHEMATIC

REMARKS

GEMS

LOGGED BY: AD

REVIEWED BY: KC

DRILLING DATE: September 26, 2024

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW4

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 20.0

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	10.5											
	11			100+		11		100	100			
	11.5											
	12			100+		12		100	75			
	12.5											
	13											
	13.5											
	14			100+		13		100	75			
	14.5	moist --- wet										
	15	very dense, brown fine SAND and SILT										
	15.5			100+		14		100	60			
	16											
	16.5									sand and riser		
	17			100+		15		100	75	sand and screen		
	17.5											
	18											
	18.5			100+		16		100	100			
	19											
	19.5											
				100+		17		100	100			
		END OF BOREHOLE										

GEMS

LOGGED BY: AD | DRILLING DATE: September 26, 2024

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW5

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto

NORTHING (m):

EASTING (m):

ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd.

BOREHOLE DIAMETER (cm): 10

WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary

TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	0	ASPHALTIC CONCRETE 75 mm FILL loose, moist, brown gravelly sand		9		1		9	100	bentonite and riser		
	0.5											
	1			10		2		10	100			
	1.5											
	2			42		3		42	100			
	2.5			24		4		24	100			
	3											
	3.5			78		5		78	100			
	4					P1						
	4.5	moist, brown SANDY CLAYEY SILT trace gravel (TILL)		100+		6		100	100	sand and riser sand and screen		
	5											
	5.5											
	6			43		7		43	100			
	6.5											
	7					P2						
	7.5			53		8		53	100			
	8											
	8.5											
	9											
	9.5	very dense, moist, brown SILT and fine SAND				P3						
	10											

GEMS

LOGGED BY: AD

DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW5

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	10.5	very dense, moist, brown SILT and fine SAND		36		9		36	100			
	11											
	11.5											
	12			82		10		82	100			
	12.5											
	13											
	13.5											
	14					P4						
	14.5											
	15			100+		11		100+	100			
	15.5											
	16											
	16.5											
	17	very dense, wet, grey SILT and fine SAND trace gravel occasional thin layers of clayey silt										
	17.5					P5						
	18											
	18.5			100+		12		100+	100			
	19											
	19.5											
	20			76		13		76	100			

GEMS

LOGGED BY: AD | DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc. | PROJECT NO.: 24-0022 | **BOREHOLE NO. : MW5**

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	20.5	very dense, wet, grey SILT and fine SAND trace gravel occasional thin layers of clayey silt		100+		P6						
	21											
	21.5											
	22											
	22.5											
	23					14		100	100			
	23.5											
	24											
	24.5											
	25	hard, moist, grey CLAYEY SILT frequent thin layers of silt										
	25.5											
	26			100+								
	26.5					15		100	100			
	27											
	27.5											
	28					P7						
	28.5											
	29			100+								
	29.5					16		100	100			
	30											
	30.5	hard, moist, grey CLAYEY SILT										

GEMS

LOGGED BY: AD | DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC

CLIENT: 1764174 Ontario Inc.

PROJECT NO.: 24-0022

BOREHOLE NO. : MW5

PROJECT: Proposed High-Rise Development

LOCATION: 2343 Eglinton Avenue West, Toronto | NORTHING (m): | EASTING (m): | ELEV. (m)

DRILLING CONTRACTOR: Drilltech Drilling Ltd. | BOREHOLE DIAMETER (cm): 10 | WELL DIAMETER (cm): 5

DRILLING METHOD: Augering, Mud Rotary | TOTAL DEPTH OF BOREHOLE (m): 40.1

SOIL SYMBOL	DEPTH (m)	SOIL DESCRIPTION	ELEVATION (m)	SHEAR STRENGTH ● (kPa) 40 80 120 160 / ▲ N-VALUE (Blows/300mm) 20 40 60 80	WATER CONTENT (%) PL W.C. LL 20 40 60 80	SAMPLE NO.	SAMPLE TYPE	SPT(N)	RECOVERY (%)	WELL INSTALLATION NOTES	WELL SCHEMATIC	REMARKS
	31	hard, moist, grey CLAYEY SILT		100+		17		100	100			
	31.5											
	32											
	32.5					P8						
	33											
	33.5			100+								
	34					18		100	100			
	34.5											
	35											
	35.5											
	36					P9						
	36.5											
	37			100+								
	37.5					19		100	100			
	38											
	38.5											
	39					P10						
	39.5											
	40			100+		20		100	100			
		END OF BOREHOLE										

GEMS

LOGGED BY: AD | DRILLING DATE: September 27 and 28, 2024

REVIEWED BY: KC |

Appendix C
Laboratory Certificate of Analysis (ALS, 2024)

CERTIFICATE OF ANALYSIS

Work Order	: **WT2426094**	Page	: 1 of 2
Client	: **SLR Consulting (Canada) Ltd.**	Laboratory	: ALS Environmental - Waterloo
Contact	: Cole Thompson	Account Manager	: Andrew Martin
Address	: 200-1620 West 8th Avenue Vancouver BC Canada V6J 1V4	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: 241.031751.000011	Date Samples Received	: 05-Sep-2024 16:09
PO	: ----	Date Analysis Commenced	: 06-Sep-2024
C-O-C number	: 23-1099854	Issue Date	: 09-Sep-2024 10:49
Sampler	: CLIENT		
Site	: ----		
Quote number	: Ontario - Palmer/SLR 2024 SOA		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
David Tremblett	VOC Section Supervisor	Air Quality, Waterloo, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
µg/L	micrograms per litre
ppmv	parts per million (volume/volume)

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical Results

Sub-Matrix: **Groundwater** (Matrix: **Water**)					*Client sample ID*	**BH4**	**----**	**----**	**----**	**----**
					Client sampling date / time	05-Sep-2024 13:00	----	----	----	----
Analyte	*CAS Number*	*Method/Lab*	*LOR*	*Unit*		**WT2426094-001**	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Gases										
Methane	74-82-8	EC614B/WT	5.0	µg/L		<5.0	----	----	----	----
Methane	74-82-8	E614B/WT	20.8	ppmv		<20.8	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2426094**	Page	: 1 of 5
Client	: **SLR Consulting (Canada) Ltd.**	Laboratory	: ALS Environmental - Waterloo
Contact	: Cole Thompson	Account Manager	: Andrew Martin
Address	: 200-1620 West 8th Avenue Vancouver BC Canada V6J 1V4	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: 241.031751.000011	Date Samples Received	: 05-Sep-2024 16:09
PO	: ----	Issue Date	: 09-Sep-2024 10:49
C-O-C number	: 23-1099854		
Sampler	: CLIENT		
Site	: ----		
Quote number	: Ontario - Palmer/SLR 2024 SOA		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- No Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Gases : Methane, Ethane, & Ethene by Headspace GC-FID										
Glass vial (sodium bisulfate)										
BH4	E614B	05-Sep-2024	----	----	----		06-Sep-2024	14 days	1 days	✓

Legend & Qualifier Definitions

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Methane, Ethane, & Ethene by Headspace GC-FID	E614B	1636799	1	2	50.0	4.5	✓
Laboratory Control Samples (LCS)							
Methane, Ethane, & Ethene by Headspace GC-FID	E614B	1636799	1	2	50.0	4.5	✓
Method Blanks (MB)							
Methane, Ethane, & Ethene by Headspace GC-FID	E614B	1636799	1	2	50.0	4.5	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Methane, Ethane, & Ethene by Headspace GC-FID	E614B ALS Environmental - Waterloo	Water	EPA REGION 1, NATATTEN.WPD, REV. 1	Volatile hydrocarbons are analyzed by static headspace GC/FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing the analyte(s) to partition between the aqueous phase and the headspace in accordance with Henry's law.
Methane, Ethane, & Ethene by Headspace GC-FID	EC614B ALS Environmental - Waterloo	Water	Unit Conversion	Convert ppmV to ug/L

QUALITY CONTROL REPORT

Work Order	: **WT2426094**	Page	: 1 of 3
Client	: SLR Consulting (Canada) Ltd.	Laboratory	: ALS Environmental - Waterloo
Contact	: Cole Thompson	Account Manager	: Andrew Martin
Address	: 200-1620 West 8th Avenue Vancouver BC Canada V6J 1V4	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: 241.031751.000011	Date Samples Received	: 05-Sep-2024 16:09
PO	: ----	Date Analysis Commenced	: 06-Sep-2024
C-O-C number	: 23-1099854	Issue Date	: 09-Sep-2024 10:49
Sampler	: CLIENT		
Site	: ----		
Quote number	: Ontario - Palmer/SLR 2024 SOA		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
David Tremblett	VOC Section Supervisor	Waterloo Air Quality, Waterloo, Ontario

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Dissolved Gases (QC Lot: 1636799)											
WT2426094-001	BH4	Methane	74-82-8	E614B	20.8	ppmv	<20.8	<20.8	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Gases (QCLot: 1636799)						
Methane	74-82-8	E614B	20.77	ppmv	<20.8	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Dissolved Gases (QCLot: 1636799)									
Methane	74-82-8	E614B	20.77	ppmv	432 ppmv	91.2	80.0	120	----

Chain of Custody (COC) / Analytical Request Form

COC Number: 23 - 1099854

Page 1 of 1

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

Environmental Division Waterloo
Work Order Reference
WT2426094

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	~~Pottage~~ SLR
Contact:	Cole Thompson
Phone:	905 717 7442
	Company address below will appear on the final report
Street:	871 Equestrian Way
City/Province:	Etobicoke
Postal Code:	
Invoice To	Same as Report To ☐ YES ☐ NO
	Copy of Invoice with Report ☐ YES ☐ NO
Company:	
Contact:	

Reports / Recipients

Select Report Format: ☒ PDF ☐ EXCEL ☐ EDD (DIGITAL)
Merge QC/QCI Reports with COA ☐ YES ☒ NO ☐ N/A
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☒ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: Cole.Thompson
Email 2: Tomasso.Mavrogordato@slrconsulting.com
Email 3:

Invoice Recipients

Select Invoice Distribution: ☐ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: Tomasso.Mavrogordato@slrconsulting.com
Email 2: Accounts

Turnaround Time (TAT) Requested

☒ Routine [R] if received by 3pm M-F - no surcharges apply
☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge minin
☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minir
☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minir
☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minir
☐ Same day [E2] if received by 10am M-S - 200% rush surcharg
Additional fees may apply to rush requests on weeke

Date and Time Required for all E&P TATs:

For all tests with rush TATs requested, pleas

Analysis F

Indicate Filtered (F), Preserved (P) or Filtered a

Project Information	
ALS Client Code / QUOTE #:	
Job / Project #:	244.03751.00001
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (ALS use only):	ALS Contact:	Sampler:

ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	P	SAMPLES ON HOLD	EXTENDED STORAGE REQ	SUSPECTED HAZARD (see I
	BH4	03/Sept/24	17:00	GW	2	X			

Methane

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☒ NO
Are samples for human consumption/ use? ☐ YES ☒ NO

Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)

SAMPLE RECEIPT DETAILS (ALS use only)

Cooling Method: ☐ NONE ☐ ICE ☒ ICE PACKS ☐ FROZEN ☒ COOLING INITIATED
Cooler Custody Seals Intact: ☐ YES ☐ N/A Sample Custody Seals Intact: ☐ YES ☐ N/A

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
27.1				22.7			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (ALS use only)			FINAL SHIPMENT RECEPTION (ALS use only)		
Released by: Cole Thom	Date: 05/09/23	Time: 15:30	Received by: Karan	Date: 9/5/2024	Time: 16:09	Received by: VM	Date: 9-5-24	Time: 0:25

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

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