SOLA ENGINEERING

RE: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
380 HAGEY BOULEVARD
WATERLOO, ONTARIO

FOR: Kothari Group
141 Brunel Road, Suite 201
Mississauga, Ontario
L4Z 1X3
c/o
Goldberg Group
2098 Avenue Road
Toronto, Ontario
M5M 4A8

ATTENTION: Ms. Joy Adeyemi

REPORT NO.: 2025-21163R

DATE: April 15, 2025

DISTRIBUTION: [1] PDF Copy: Ms. Joy Adeyemi [Jadeyemi@goldberggroup.ca]

Original: File No. 11425A-S0770-ENV

390 Edgeley Blvd., Units 25 & 26,
Vaughan, Ontario L4K 3Z6
T : 905-760-9501 | F : 905-761-1822
W : www.solaengineering.ca
GEOTECHNICAL ENGINEERING | ENVIRONMENTAL ENGINEERING | MATERIALS TESTING & INSPECTIONS

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EXECUTIVE SUMMARY

Sola Engineering Inc. (Sola) was retained by Ms. Joy Adeyemi of Goldberg Group (the Client) to conduct a Phase One Environmental Site Assessment (ESA) for a parcel of land located at the municipal addresses of 380 Hagey Boulevard in Waterloo, Ontario (herein referred to as "the Phase One Property"). The location of the Phase One Property is presented in Drawing No. [1]. This work was authorized on February 2nd, 2025.

The Phase One Property is an irregular-shaped parcel of land located south of Wes Graham Way, east of Hagey Blvd, approximately 220 metres north of Frank Tompa Drive, and approximately 140 metres west of Laurel Trail in Waterloo, Ontario. The total area of the Phase One Property is approximately 15,203.7 m^2 (~163,651 ft^2). It is our understanding that the Client plans to develop the property into a hotel.

The purpose of the Phase One ESA is to identify any potential environmental concerns associated with the Phase One Property. The assessment was performed in accordance with the Phase One ESA protocols outlined in Ontario Regulation 153/04 (amended).

The surrounding areas have been used for agricultural and commercial purposes after 2000.

At the time of this ESA, the Phase One Property is vacant. The surface of the Phase One Property is vegetated topsoil. The Phase One Property is currently not considered an enhanced investigation property, as defined in Ontario Regulation 153/04 (as amended). The site reconnaissance of the Phase One Property was completed on February 19th, 2025. Surrounding land uses were predominantly commercial.

Based on our review of historical records, site reconnaissance, and interviews, the following are the findings of the Phase One ESA:

Potentially Contaminating Activity (PCA):

- #4 – Antifreeze and De-icing Manufacturing and Bulk Storage (Roads surrounding Property 380 Hagey Blvd);
- #19 – Electronic and Computer Equipment Manufacturing (350 Hagey Blvd); and,
- #55 – Transformer Manufacturing, Processing and Use (One at approximately 24 meters east of the Phase One Property, at 420 Wes Graham Way; the other one to the southwest corner of the Phase One Property, at 340 Hagey Blvd).

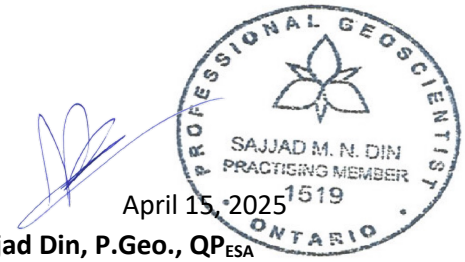
Area of Potential Environmental Concern (APEC):

- None

Based on the findings of this Phase One ESA, no further action is recommended in terms of the environmental condition of the Site at this time.

The Executive Summary should be read in conjunction with the entire report. We trust you will find this report to be complete within our terms of reference. Should you have any questions regarding the information contained in the report or require further assistance, please contact the Sola office.

Respectfully Submitted,
SOLA ENGINEERING INC.



April 15, 2025

JiaYu (Katrina) Cheng, M.Eng., E.I.T.
Junior Environmental Scientist

Sajjad Din, P.Geo., QP$_{ESA}$
Senior Project Geoscientist

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Appendix A: Legal Survey
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390 Edgeley Blvd., Units 25 & 26,
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1.0 INTRODUCTION

Sola Engineering Inc. (Sola) was retained by Ms. Joy Adeyemi of Goldberg Group (the Client) to conduct a Phase One Environmental Site Assessment (ESA) for a parcel of land located at the municipal addresses of 380 Hagey boulevard in Waterloo, Ontario (herein referred to as "the Phase One Property"). The location of the Phase One Property is presented in Drawing No. [1]. This work was authorized on February 2nd, 2025.

The Phase One Property is an irregular-shaped parcel of land located south of Wes Graham Way, east of Hagey Blvd, approximately 220 metres north of Frank Tompa Drive, and approximately 140 metres west of Laurel Trail in Waterloo, Ontario. The total area of the Phase One Property is approximately 15,203.7 m^2 (~163,651 ft^2). It is our understanding that the Client plans to develop the property into a hotel.

All parts of the ESA were performed in accordance with Schedule D of Ontario Regulation 153/04 (as amended).

The general objectives of a Phase One ESA are to:

- Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One Property;
- Determine the need for a Phase Two ESA;
- Provide a basis for conducting a Phase Two ESA; and,
- Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase One Property for the conduct of a risk assessment or remediation following completion of a Phase Two ESA, if applicable.

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

The findings presented in this report may be used for the above-noted purposes, subject to the limitations stated under **Section 10.0**. No third parties other than those mentioned in this report are entitled to rely

upon this report without the express written consent of Sola. Any use that a third party makes of this report is the sole responsibility of the said third party; Sola accepts no responsibility for any damages.

1.1 PHASE ONE PROPERTY INFORMATION

The Phase One Property information is shown in the table below. A legal survey plan is attached in Appendix A.

Table 1 – Phase One Property Information

Municipal Address	380 Hagey Blvd, Waterloo, Ontario
Phase One Property Identification Number	22256-0469(LT)
Legal Description	Part Block 1, Plan 58M272, Parts 1-3, 58R-19929
Size of Phase One Property	Approximately 15,203.7 m^2 (~163,651 ft^2)

1.2 CLIENT CONTACT INFORMATION

Our client's information is:

Kothari Group
141 Brunel Road, Suite 201
Mississauga, Ontario
L4Z 1X3
c/o
Goldberg Group
Ms. Joy Adeyemi
2098 Avenue Road
Toronto, Ontario
M5M 4A8
Email: Jadeyemi@goldberggroup.ca

2.0 SCOPE OF INVESTIGATION

The Phase One ESA was conducted in conformance with Schedules D of Ontario Regulation 153/04 (the Regulation) (as amended) made under the Environmental Protection Act (R.S.O. 1990, Chapter E.19) and

included the following:

- Review of existing historical records for the Phase One Property and surrounding areas to identify actual or potential sources of environmental contamination;
- Phase One Property reconnaissance, including an environmental inspection of any existing buildings or structures, to observe and document the present environmental condition;
- Interviews with knowledgeable person(s) relating to any environmental concerns; and,
- Preparations of this Phase One ESA report which includes our findings, conclusions and recommendations.

It should be noted that the format of this report is intended to support the filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation and Parks (MECP).

3.0 RECORDS REVIEW

3.1 GENERAL

The historical records review of past land uses of the Phase One Property and surrounding areas including historical county atlas, city directory searches, a chain of title searches, previous environmental reports, topographical, physiographic, and geological maps, aerial photographs, and a review of Environmental Risk Information Service (ERIS) databases.

The Technical Standards and Safety Authority (TSSA) was contacted to conduct a search and review of the records with respect to the presence of fuel storage tanks or expired tanks at the Phase One Property and select adjacent addresses in the Phase One Study Area.

A Freedom of Information request was made to the Ministry of the Environment, Conservation and Parks (MECP) for a search of records in relation to spills, orders, and convictions associated with the Phase One Property.

3.1.1 FIRST DEVELOPED USE DETERMINATION

The determination of the first developed use of the Phase One Property was based on a review of available historical maps and aerial photographs. The Historical County Atlas Map of Waterloo County published in 1861 for Waterloo indicated that the Phase One Property was likely vacant or used for agricultural purposes.

3.1.2 FIRE INSURANCE PLANS

ERIS was contacted for a Fire Insurance Plan (FIP) for the Phase One Property and the surrounding area. ERIS reported that no FIP was found for the Phase One Property or the surrounding area.

3.1.3 UNDERWRITER REPORTS AND PLANS

ERIS was contacted for underwriters' reports or plans for the Phase One Property. ERIS reported that no reports or plans were found for the Phase One Property or the surrounding area.

3.1.4 CHAIN OF TITLE

A Chain of Title search for the Phase One Property was requested from Domson's Title Search Inc. The findings are presented in the table below. A copy of the title search is included in Appendix [B].

Table 2 – Chain of Title (PIN#: 22256-0469 (LT))

Year	Name of Owner
Prior to 1758	Crown
1758-1801	Richard Beasley James Wilson John Baptiste Rousseau
1801-1805	Richard Beasley
1805-1805	Daniel Erb & Jacob Erb
1805-1842	Jacob Hershey
1842-1863	John Brubacher, Sr.
1863-1903	John Brubacher, Jr.
1903-1922	Benjamin M. Eby
1922-1960	Henry K. Schnarr
1960-1965	Major Holdings & Developments Ltd.
1965-Present	University of Waterloo

Based on the information provided in the Chain of Title, no environmental concerns are identified on the Phase One Property.

3.1.5 PHASE ONE STUDY AREA DETERMINATION

The Phase One Study Area generally consists of the Phase One Property plus 250 metres beyond the perimeter boundaries of the Phase One Property. The properties in the Phase One Study Area generally consist of residential and commercial properties.

Streets within the 250 metres study area include:

- Wes Graham Way
- Hagey Boulevard
- Frank Tompa Drive
- Laurel Trail

Historical Surrounding Land Uses:

- Historical land uses surrounding the Phase One Property were historically agricultural and commercial.

Landfill/Coal Gasification/PCB Inventories - Sola reviewed the following documents:

- Waste Disposal Site Inventory, June 1991, ISBN 0-7729-8409-3, Waste Management Branch, Ontario Ministry of the Environment;
- Inventory of Coal Gasification Plant Waste Sites in Ontario, April 1987, Volume I and II, Waste Management Branch, Ontario Ministry of the Environment; and,
- Ontario Inventory of PCB Storage Sites, October 1991, updated January 1992, ISBN 0-7729-9044-1, Waste Management Branch, Ontario Ministry of the Environment.

Based on the above review, there were no active or inactive landfills, coal gasification plants, or PCB storage sites on or in the vicinity of the Phase One Property.

Properties in part along the 250 metres from the Phase One Property boundaries are included in the Phase One Study Area. The Phase One Study Area is shown in Drawing [1].

3.1.6 CITY DIRECTORY SEARCH

City directories for the Phase One Property and the surrounding area provided by ERIS were made available to Sola for review. Information from the directories for the Phase One Property is as follows:

Table 3 – City Directories for Phase One Property

Year	Listing
1960-2023	No Listing Found

A review of city directories was conducted to assess the historical occupancy and land use of properties within the City Directory Search Area. The results of the search indicate that the properties within this area have been historically occupied by commercial land uses since at least 2012.

Based on the review of the city directories, the following potentially contaminating activity (PCA) was identified within the City Directory Search Area:

- Stantec Consulting Machine Shops was listed in the city directories at 300 Hagey Blvd in 2021. This property is located approximately 150 meters south of the Phase One property.

Given the separation distance and the fact that the property is located downgradient of the Phase One Property, the potential for impact is considered low. Furthermore, Stantec is a consulting firm operating on land not classified as industrial. Therefore, it can surmise that the likelihood of a PCA impacting the Site is low. Therefore, this PCA is not considered to pose environmental concern to the Phase One Property.

A copy of city directory search results is presented in Appendix [D].

3.1.7 ENVIRONMENTAL OR OTHER REPORTS

No previous environmental reports for the Phase One Property were made available to Sola for review.

3.2 ENVIRONMENTAL SOURCE INFORMATION

A search of records for federal, provincial, and private databases pertaining to the Phase One Property and surrounding properties within 250 meters from the Phase One Property boundaries was conducted by Environmental Risk Information Services (ERIS).

3.2.1 RECORDS DATABASE REPORT

A request was made to ERIS to conduct a complete search for all available database records pertaining to the Phase One Study Area. See Appendix [C] for a copy of the ERIS Report. A summary of findings from the review of the ERIS report are summarized in the table below.

Table 4 – ERIS Database Findings

Database	Description of Relevant Data to Phase One ESA	Causing an APEC onto the Site
Phase One Property		
Water Well Information System	Two listings found for the Phase One Property	None
Phase One Study Area		
Borehole	Seven listing found within the Study Area	None
Certificates of Approval	One listing found within the Study Area	None
Environmental Activity and Sector Registry	Two listings found within the Study Area	None
Environmental Registry	Two listings found within the Study Area	None
Environmental Compliance Approval	Four listings found within the Study Area	None
ERIS Historical Searches	Fourteen listings found within the Study Area	None
Ontario Regulation 347 Waste Generators Summary	Thirty-three listings found within the Study Area	None

Database	Description of Relevant Data to Phase One ESA	Causing an APEC onto the Site
Fuel Oil Spills and Leaks	One listing found within the Study Area	None
Permit to Take Water	One listing found within the Study Area	None
Scott's Manufacturing Directory	Seven listings found within the Study Area	None
Water Well Information System	Eighteen listings found for the Phase One Property	None

3.2.2 PROVINCIAL RECORDS DATABASE

A *Freedom of Information* request was made on February 12th, 2025, to obtain information with respect to any control orders, violation notices, or other environmental concerns with the MECP for the Phase One Property. A response has been received on February 13th, 2025, indicated that no records were located responsive to the Phase One Property and the vicinity area.

Copies of correspondence to the MECP is presented in Appendix [E].

3.2.3 TECHNICAL STANDARDS AND SAFETY AUTHORITY RECORDS

A request was made on February 14th, 2025, to the Technical Safety and Standards Association (TSSA), to inquire about the presence of fuel tanks as well as any expired tanks on the Phase One Property and select adjacent properties.

Based on their responses, TSSA indicated that no records of any fuel storage tanks listed at the Phase One Property and the immediate surrounding properties.

A copy of this correspondence is presented in Appendix [E].

3.3 PHYSICAL SETTING SOURCES

3.3.1 AERIAL PHOTOGRAPHS

The earliest available aerial photographs of the Phase One Property and Phase One Study Area were available at Region of Waterloo Interactive Maps. Aerial photographs for the years 2000, 2006, 2009, 2012, 2015, 2020 and 2024 were reviewed. Copies of the aerial photographs are presented in Appendix [F]. These photographs were selected as they provide a visual record of the Phase One Property and its surrounding properties. The findings are presented in the table below.

Table 5 – Observation from Aerial Photographs

Year	Phase One Property	Surrounding Areas Pertaining to the Phase One Study Area
2000	Agriculture	The Phase One Property and the adjacent properties were historically used for agriculture within the Phase One Study Area.
2006	Vacant	The Phase One Property appears consistent with the previous photograph. Some commercial development has occurred to the northwest and southwest within the Phase One Study Area.
2009	Vacant	The Phase One Property remains vacant. Some commercial development has occurred to the south of the Phase One Property.
2012	Vacant	The Phase One Property remains vacant. Some further commercial development has occurred to the west and southwest within the Phase One Study Area.
2015	Vacant	The Phase One Property remains vacant, while the adjacent property to the east appears to be under construction.
2020	Vacant	The Phase One Property remains vacant, and construction at the adjacent property to the east appears to be complete.
2024	Vacant	The Phase One Property and the Phase One Study Area appear consistent with previous photographs.

3.3.2 TOPOGRAPHY, HYDROLOGY, GEOLOGY

Based on the review of Toporama, Natural Resources of Canada, the vicinity of the Phase One Property has the ground surface elevation of approximately 350 metres above sea level (masl) with the Phase One Property appearing to be on a relatively flat surface. This feature is anticipated to control surface water drainage and shallow groundwater flow patterns. Groundwater flow was anticipated to be in the southerly direction. Localized groundwater flow may be influenced by other factors such as utilities. The Phase One Property is in Till Plains of Drumlinized (Ontario Geological Survey (OGS, 2023).

Surficial geology consists of clay to silt-textured till (derived from glaciolacustrine deposits or shale) (OGS, 2023). Bedrock geology is generally interbedded limestone, dolostone, shale, sandstone, gypsum, and salt under Salina Formation. Review of Mines and Minerals Division Ontario Geological Survey, bedrock topography Map P3211, indicated that the elevation of bedrock in the vicinity of the Phase One Property is approximately 276 masl.

3.3.3 Fill Materials

No fill material was reported to be underlying the Phase One Property. No previous report or records identified any fill material having been used on the Phase One Property.

3.3.4 WATER BODIES, AREAS OF NATURAL SIGNIFICANCE, GROUNDWATER INFORMATION, AND WELL-HEAD/GROUNDWATER PROTECTION AREAS

The following informational sources were reviewed as part of this section: the Ontario Geological Survey database, The Ministry of Environment, Conservation and Parks of Ontario Drinking Water Source Mapping program, the Make a Map: Natural Heritage Areas of Ontario program, the Water Well Information System (WWIS), and Source Protection Information Atlas of Ontario.

The Phase One Property is not located in the Wellhead Protection Area. No water bodies or areas of natural significance (ANSI) are present on the Phase One Property and within the Phase One Study Area.

3.3.5 WELL RECORDS

Ontario Well records were obtained from the Ontario Well Records Database. Records in the Phase One Property are summarized in the table below:

Table 6 – Monitoring Well Information within the Phase One Property

Location		Well ID	Well Depth (m)	Stratigraphy	Bedrock Depth (m)	Water Table Depth (m)
Easting	Northing					
536490	4814231	7160059	5.2	Silt, Silty Sand	-	-
536490	4814231	7163994 (Abandoned)	4.5	-	-	-

Records in close proximity to the Phase One Property are summarized in the table below:

Table 7 - Monitoring Well Information in the Phase One Study Area

Location		Well ID	Well Depth (m)	Stratigraphy	Bedrock Depth (m)	Water Table Depth (m)
Easting	Northing					
536621	4814268	7289425	160.0	Clay, Sand, Silty Sand, Hardpan, gravel, limestone	64.9	143.0 156.7 82.3
536673	4814292	7277022	6.1	Clay, Sand, Silt	-	3.7
536704	4814273	7281422	160.0	Clay, Medium Gravel, Hardpan, Shale, Limestone	67.1	153.3 69.8 122.0

Location		Well ID	Well Depth (m)	Stratigraphy	Bedrock Depth (m)	Water Table Depth (m)
Easting	Northing					
536693	4814312	7287710 (Abandoned)	-	-	-	3.0
536760	4814258	7289426	160.0	Clay, Sand, Gravel, Stones, Limestone	56.4	117.4 153.9 140.5
536745	4814305	7287709 (Abandoned)	-	-	-	-
536739	4814011	7286591	9.1	Clay, Sand, Silt	-	3.0
536972	4814328	7440404	6.1	Sand, Gravel	-	-
536830	4814054	7333790	8.5	Sandy Silt, Clay, Stones	-	2.1
536877	4814132	6509664	5	Sand, Gravel, Silt	-	1
536861	4814086	7232572 (Abandoned)	4.2	-	-	-
536806	4814450	7238646	4.9	Sand, Silt	-	-
536815	4814441	7265298	6.1	Fine Sand, Silt	-	-

Location		Well ID	Well Depth (m)	Stratigraphy	Bedrock Depth (m)	Water Table Depth (m)
Easting	Northing					
536817	4814442	7238645	5.8	Sand, Silt	-	-
536762	4814520	6507205	70.1	Clay, Sand, Silt, Limestone	68.0	-
536795	4814497	7238647	4.9	Sand, Silt	-	-

Details of the monitoring wells located within the Phase One Study Area are listed in Appendix [C].

3.4 SITE OPERATING RECORDS

The Phase One Property is currently not considered an enhanced investigation property for a use specified in clause 32 (1) (b) of O. Reg. 153/04. The Phase One Property are currently backyards of residential properties, and so, the site operating records are not applicable.

Table 7 - Relevant Details of Phase One Property Operating Records

Topic	Document Title	A detailed description of data, analysis, or findings relevant to the Phase One ESA (such as the existence of an APEC)
Regulatory permits and records related to areas of potential environmental concern	n/a	n/a
Material safety data sheets	n/a	n/a
Underground utility drawings	n/a	n/a
Inventory of above-ground storage tanks and underground storage tanks	n/a	n/a

Topic	Document Title	A detailed description of data, analysis, or findings relevant to the Phase One ESA (such as the existence of an APEC)
Environmental monitoring data, including data collected in response to an order or request of the Ministry	n/a	n/a
Waste management records and current and historical locations	n/a	n/a
Waster generator and receiver information maintained by the Ministry	n/a	n/a
Process, production, and maintenance documents related to APECs	n/a	n/a
Records of spills and records of discharges of contaminants (where notice was required to be given to the Ministry)	n/a	n/a
Emergency response and contingency plans, including spill prevention and contingency plans	n/a	n/a
Environmental audit reports	n/a	n/a
Phase One Property plan of the facility showing areas of production and/or manufacturing	n/a	n/a

4.0 INTERVIEWS

Sola conducted email interview with the purpose of gathering environmental information for the Phase One Property. Mr. Adam Layton, an employee of Goldberg Group, was interviewed on February 21st, 2025. Based on the interviewees' understanding, the Phase One Property is currently vacant and have no knowledge of any environmental incidents having taken place on the Phase One Property or in the immediate surrounding area. Additionally, Mike Pereira, Director, Real Estate and R+T Park of was a source information regarding the adjacent property to the south. He was interviewed via email on March 5, 2025. Based on his knowledge the property located to the south i.e., 350 Hagey Boulevard was used as a testing facility for cell phones by 'Research In Motion'.

5.0 PHASE ONE PROPERTY SITE RECONNAISSANCE

5.1 GENERAL INFORMATION

The Phase One Property is currently undeveloped/vacant land. The property was covered with vegetation (i.e. grass, shrubs). Access to the Phase One Property was limited because the entire Phase One Property was covered by snow during the site reconnaissance.

5.2 GENERAL REQUIREMENTS

Table 8 - General Requirements, Phase One Property Site Reconnaissance

Date	February 19st, 2025
Time	10:00 a.m. – 11:00 a.m.
Weather Conditions	Mostly Cloudy with little snow, -8 degree Celsius
Length of Time of the Investigation	1 hour
Limitations of Access	Access is limited by the Snow
Name and Qualifications of QP or Persons Under the Supervision of a QP Conducting the Investigation	Rohan Nareshkumar Tankaria, M.Eng., E.I.T. supervised by Sajjad Din, PGeo, QP_{ESA}
Enhanced Phase One Property Investigation	The Phase One Property was not currently operating as an enhanced investigation property during the time of the site reconnaissance.

The site reconnaissance included a walk-through of accessible areas of the neighbouring properties within the Phase One Study Area. The site reconnaissance was documented with photographs. A written description and explanation of the photographs are provided in Appendix [G].

5.3 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

The table below illustrates observations made during the time of the site reconnaissance.

Table 9 - Site Reconnaissance Observations

Topic	Observations
General description of structures and other	No building/structure onsite.

Topic	Observations
improvements, including the number and age of buildings	
Number of floors (including below ground)	Not applicable.
Number, age, and depth of levels below ground level	Not applicable.
Number and details (material, method of construction, age, contents, volume, if its currently in use) of all above-ground storage tanks (ASTs)	None observed.
Number and details (material, method of construction, age, contents, volume, if its currently in use) of all underground storage tanks (USTs)	None observed.
Potable water sources	Not applicable.
Utility lines (e.g. Water, Electrical, Natural gas, etc.)	Not applicable.
Exit and entry points	Not applicable.
Former heating system(s), fuel type, and source	Not applicable.
Existing heating system(s), fuel type, and source	Not applicable.
Cooling system(s), fuel type, and source	Not applicable.
Unidentified substances, the interior of buildings or structures	Not applicable.
Floor stains (other than water) or corrosions near a potential discharge location (drains, pits sumps, cracks, or other)	Not applicable.

Topic	Observations
Location of any former wells	None observed.
Location of any current wells	None observed.
Ground cover (e.g. pavement, gravel, grass, soil, etc.)	The entire Phase One Property is vegetated and was covered with snow during the time of the site reconnaissance.
Current railway lines or spurs, location	None observed.
Former railway lines or spurs, location	None observed.
Presence of stained soil, vegetation, pavement, or other ground cover type	None observed.
Presence of stressed vegetation	None observed.
Locations, where fill and/or debris materials, appear to have been placed or graded	None observed.
Potentially contaminating activity (PCA)	#55 Transformer Manufacturing, Processing and Use Two (2) transformers were observed in the Phase One Study Area: one (1) located approximately 24 meters east of the Phase One Property, adjacent to the building in the parking lot, and the other (1) to the southwest corner of the Phase One Property. During the site reconnaissance, no evidence of staining was observed on the pads or the transformers.
Unidentified substances, the exterior of buildings or structures	None observed.
Odours	None observed.

5.3.1 OBSERVATIONS FROM THE PHASE ONE PROPERTY SITE RECONNAISSANCE FOR THE PURPOSES OF AN ENHANCED INVESTIGATION OF THE PHASE ONE PROPERTY

The Phase One Property has not been or is being used in any manner which would deem it an enhanced investigation.

5.3.2 WRITTEN DESCRIPTION OF INVESTIGATION

The site reconnaissance was conducted on February 19st, 2025. During the site reconnaissance, photographs were documented regarding the environmental condition of the Phase One Property. During the time of the site visit, no PCAs were observed on the Phase One Property, and two (2) PCAs were observed within the Phase One Study Area. Details of the site visit are provided in the previous sections.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 CURRENT AND PAST USES

The current and past uses of and activities at or affecting the Phase One Property are summarized in the table below.

Table 10 - Current and Past Uses of the Phase One Property (PIN#: 03107-0016 (LT); 35 Edgar Avenue)

Year	Name of Owner	Description of Property Use	Property use	Other observations from aerial photographs, fire insurance plans, etc.
Prior to 1758	Crown	Vacant	Agricultural or vacant	None
1758-1801	Richard Beasley James Wilson John Baptiste Rousseau			
1801-1805	Richard Beasley			
1805-1805	Daniel Erb & Jacob Erb			
1805-1842	Jacob Hershey			
1842-1863	John Brubacher, Sr.			Ontario Historical County Maps
1863-1903	John Brubacher, Jr.			None
1903-1922	Benjamin M. Eby			
1922-1960	Henry K. Schnarr			
1960-1965	Major Holdings & Developments Ltd.			
1965-Present	University of Waterloo			Aerial photos from Waterloo Region Interactive Maps starting from 2000

6.2 POTENTIALLY CONTAMINATING ACTIVITY

Current and historic potentially contaminating activities, as outlined in Table 2 of Schedule D of the O. Reg. 153/04, (as amended), on the Phase One Property and in the Phase One Study Area are in the table below:

Table 11 – Potentially Contaminating Activities

Potentially Contaminating Activity on, in, or under the Phase One Study Area	Address	Description of Potentially Contaminating Activity
#4 - Antifreeze and De-icing Manufacturing and Bulk Storage	Roads surrounding Property 380 Hagey Blvd.	Former underground diesel and gasoline tanks.
#19 - Electronic and Computer Equipment Manufacturing	350 Hagey Blvd	Records from ERIS indicate that Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing activities were associated with 'Research In Motion' Limited at 350 Hagey Blvd, located approximately 9 meters upgradient to the south of the Phase One Property.
#55 – Transformer Manufacturing, Processing and Use	Approximately 24 meters east of the Phase One Property, at 420 Wes Graham Way	One (1) transformer.
	To the southwest corner of the Phase One Property, at 340 Hagey Blvd	One (1) transformer.

The locations of PCAs within the Phase One Study Area are shown on Drawing [2].

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Based on our review of the activities identified on the Phase One Property and Phase One Study Area, no Area of Potential Environmental Concern (APEC) was identified.

The two (2) PCAs related to transformers were not considered to contribute to an APEC, as no evidence of impacts was observed in the vicinity or on the transformers. Additionally, any contaminants associated with the transformers are not anticipated to be present in the subsurface of the Phase One Property.

The PCA related to de-icing salt application was also not considered to contribute to an APEC, as specified in Section 49.1 of the O.Reg 153/04 if the presence of de-icing salts on a property is solely due to the application for safety purposes the PCA does not automatically designate an APEC.

The PCA associated with the manufacturing record at 350 Hagey Blvd was not considered to contribute to an APEC on the Phase One property due to it likely bring a facility for testing of meobile phones. Further, there are no records of the facility generating hazardous waste and a review of the aerial phtographs from the past does not reveal and facility that may be related to significant manufacturing that would create an environmental impact on to the Phase One Property. Lastly, 350 Hagey Blvd was considered to be downgradient of the Phase One Property.

6.4 PHASE ONE CONCEPTUAL SITE MODEL

The Phase One ESA Conceptual Site Model consists of a Site Plan and site features Drawing No. [1] and a plan depicting the Phase One Property and the Phase One Study Area PCAs Drawing No. [2].

The Phase One Property is an irregular-shaped parcel of land located south of Wes Graham Way, east of Hagey Blvd, approximately 220 metres north of Frank Tompa Drive, and approximately 140 metres west of Laurel Trail in Waterloo, Ontario. The total area of the Phase One Property is approximately 15,203.7 m2 (~163,651 ft2).

No PCA was identified on the Phase One Property, and four (4) PCAs were identified within the Phase One Study Area. One (1) PCA was deemed to be contributing an APEC on to the Phase One Property (see Sections 6.2 and 6.3 for details).

The Phase One Property is in Till Plains of Drumlinized (Ontario Geological Survey (OGS, 2023). Surficial geology consists of clay to silt-textured till (derived from glaciolacustrine deposits or shale) (OGS, 2023). Bedrock geology is generally interbedded limestone, dolostone, shale, sandstone, gypsum, and salt under Salina Formation. Review of Mines and Minerals Division Ontario Geological Survey, bedrock topography Map P3211, indicated that the elevation of bedrock in the vicinity of the Phase One Property is approximately 276 masl.

The hydrogeology of the Phase One Property and the vicinity is primarily controlled by topographic elevation, glacial geology, and bedrock topography of the region. Locally, shallow, and regional groundwater is expected to flow south.

Since the assessment of PCAs and APECs (if applicable) were based on theoretical information, there was inherent uncertainty in the Phase One Conceptual Site Model. These predictions were mostly based on the information available from data sources. If these predictions are incorrect, evaluation for PCAs as well as APEC could be missed. However, attempts were taken to minimize the uncertainties by field observations.

7.0 PHASE ONE ESA CONCLUSION

7.1 WHETHER PHASE TWO ENVIRONMENTAL SITE ASSESSMENT IS REQUIRED BEFORE THE FILING OF A RECORD OF SITE CONDITION

Based on the findings of this Phase One ESA, a Phase Two ESA is not required before filing a Record of Site Condition (if applicable).
Sola has undertaken their own due diligence in completing this Phase One ESA. The logic and rationale of the conclusion are based on document review, site reconnaissance and interviews.

Third-party sources such as interactive map websites, ERIS, topographic and other regulatory information, and previous environmental reports were reviewed during this ESA. The conclusions were based on information obtained from the above sources in conjunction with site visit findings and interviews.

7.2 RECORD OF SITE CONDITION BASED ON PHASE ONE ENVIRONMENTAL SITE ASSESSMENT ALONE

A Record of Site Condition can be submitted based on this Phase One Environmental Site Assessment.

8.0 ASSESSOR QUALIFICATIONS

Sola Engineering Inc. is a Geotechnical and Environmental Engineering firm incorporated in 2016 in accordance with Ontario and Canada regulations. It provides soil and material testing and inspection services, as well as environmental studies. Sola Engineering Inc. is registered in Ontario and operates under a Certificate of Authorization from the Professional Engineers of Ontario. The qualifications of the environmental assessors are presented in Appendix [H].

9.0 LIMITATION AND CLOSURE

Services performed by Sola Engineering Inc. were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the environmental consulting engineering profession. This report does not exhaustively cover all possible environmental conditions or circumstances that may exist on the Phase One Property. If a service is not expressly indicated, it should not be assumed that it was provided.

In evaluating the Phase One Property, Sola Engineering Inc. has relied on the Client to provide all existing relevant reports. Furthermore, we also relied in good faith on information provided by any other individuals noted in the report. We assume that all the information provided is factual and accurate. We accept no responsibility for any deficiencies, misstatements, or inaccuracies contained in this report as a result of omissions, misrepresentation, or fraudulent acts by the Client or any persons contacted.

Since the date of completing all work related to the records review, interviews, and Phase One Property reconnaissance required for this Phase One Environmental Assessment there has been no material change to any areas of potential environmental concern.

It should also be noted that current environmental guidelines and regulations are subject to change; such changes, when put into effect, could alter the conclusions and recommendations noted through this report.

Respectively Submitted,
SOLA ENGINEERING INC.

JiaYu (Katrina) Cheng, M.Eng., E.I.T.

Qualified Person:
Sajjad Din, PGeo, QP$_{ESA}$.

10.0 REFERENCES

- Ministry of the Environment and Climate Change. June 2011. *Guide for Completing Phase One Environmental Phase One Property Assessments under Ontario Regulation 153/04 (Electronic Version);*
- *Ontario Regulation 153/04 Records of Site Condition — Part Xv.1 of The Act* Environment Canada, National Pollutant Release Inventory;
- Ontario Ministry of the Environment Hazardous Waste Information Network;
- Ontario Ministry of the Environment, Brownfields Environmental Site Registry;
- Ontario Ministry of the Environment, Conservation and Parks – Source Protection Information Atlas
- Ontario Ministry of the Environment, Inventory of Coal Gasification Plan Waste Sites in Ontario, 1987;
- Ontario Ministry of the Environment, Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, 1998;
- Ontario Ministry of the Environment, Inventory of PCB Storage Sites, 1994-2004;
- Waste Disposal Site Inventory, 1991;
- Ministry of Environment, Conservation and Parks - Freedom of Information;
- Technical Standards and Safety Authority – Fuel Safety Division inquiry;
- Environmental Risk Information Services (ERIS Report); and,
- Region of Waterloo GIS Locator.

STATEMENT OF LIMITATIONS

Standard of Care and Basis of this Report
Sola Engineering Inc. ("Sola Engineering") has prepared this report in a manner consistent with generally accepted engineering and/or environmental practices in the jurisdiction in which the specified services were provided. The information and conclusions set out in this report reflects Sola Engineering's best professional judgment in light of the information available to Sola Engineering at the time of preparation. Sola Engineering disclaims any and all warranties, express or implied, including without limitation any warranty of merchantability and/or fitness for a particular purpose, and makes no representations concerning the legal effect, interpretation or significance of this report or the information, conclusions or recommendations contained in it.

The conclusions and recommendations provided in this report have been prepared in relation to the specified site (the "Site") and the proposed project (the "Project"), as described by the Client to Sola Engineering. Given the nature of the work undertaken by Sola Engineering as part of this report, the Client acknowledges that ground conditions may vary over distances and may change over time. Should there arise any changes to the conditions of the Site or the Project (as to purpose or design), Sola Engineering is to be notified within a reasonable period of time, and in any event within 24 hours of the Client's learning of such changes, so as to give Sola Engineering an opportunity to review and revise this report in light of such changes. Sola Engineering accepts no liability or responsibility for any use of this report or reliance on this report following any changes to the conditions of the Site or the Project.

The scope of professional services provided by Sola Engineering for the Project are as set out in this report. Should such services be limited to those of a geotechnical nature, Sola Engineering shall not be held liable or responsible for any environmental services that may be required, nor shall this report be interpreted to reflect any environmental aspects of the Project. Alternatively, should such services be limited to those of an environmental nature, Sola Engineering shall not be held liable or responsible for any geotechnical services that may be required, nor shall this report be interpreted to reflect any geotechnical aspects of the Project.

This report is not intended to provide recommendations for possible future conditions or use of the Site or adjoining properties. Should the need arise for such recommendations Sola Engineering may need to conduct further investigations.

Use of this Report
This report is intended to be read and used in its entirety. No reliance may be made upon any individual portion or section of this report without reference to the entire report as a whole. In preparing this report, Sola Engineering has relied on information, instructions and communications given by the Client to Sola Engineering, the applicability, truth and accuracy of which is the sole responsibility of the Client.

This report with the information, sampling data, analysis, conclusions and recommendations contained in it (if any), has been prepared for and may only be used by the Client and only for the specific purpose as specified by the Client to Sola Engineering in connection with the Project. Without prior written consent from Sola Engineering, use of this report or any portion thereof by any person or entity other than the Client, or for any purpose other than as communicated by the Client to Sola Engineering, is strictly prohibited. Sola Engineering accepts no liability or responsibility for the unauthorized use of this report. This report and all documents that form part of it are the sole property of Sola Engineering. Sola Engineering relies on and retains any and all intellectual property rights it has in this report, including any copyright to which it is entitled. The Client shall not give, lend or sell this report, or any portion thereof, to any entity, person or association without the express prior written consent of Sola Engineering. This report and the information contained herein shall be treated as strictly confidential.

The contents of this report, inclusive of Sola Engineering's conclusions and recommendations in relation to the Project, are intended only for the guidance of the Client in carrying out the specified services for the Project, as described by the Client to Sola Engineering. Accordingly, Sola Engineering does not accept any liability or responsibility for any inaccuracy contained in this report arising as a result of or in any way connected with any exclusion, oversight or falsification of the information provided to Sola Engineering by the Client. This report, including the effect of the subsurface conditions as described in this report, is to be interpreted at the risk and discretion of the Client and any contractors or others bidding on or undertaking contractual work to be performed as part of the Project who may come into possession of or learn of this report or its contents. It is exigent that all contractors bidding or undertaking the work are to rely on their own interpretations of the data contained in this report in addition to their own investigations and conclusions. Sola Engineering shall not be held liable or responsible for any interpretation of or conclusions that may be drawn from the data or information contained in this report.

The information, recommendations and conclusions presented in this report are based on Sola Engineering's interpretation of conditions revealed through the limited investigation conducted within a defined scope of services. In no event will Sola Engineering be held responsible or liable to the Client or any other person or entity for any special, indirect, incidental, punitive or consequential loss or damage (including, loss of use, lost profits or expenses incurred) resulting from or in any way related to the independent interpretations, interpolations, conclusions or decisions of the Client or any other person or entity, based on the information contained in this report. The restriction of liability includes but is not limited to decisions made to develop, purchase or sell land.

Notwithstanding the exclusions of liability contained herein but without in any way limiting their effect or generality, if there is found to be any finding of liability or responsibility whatsoever on the part of Sola Engineering which in any way relates to or arises from this report, or the information, conclusions or recommendations contained in it, such liability and/or responsibility shall cease and forever be extinguished from and after the date which is two (2) years from the date of this report. In no event shall any liability or responsibility of Sola Engineering exceed the fees charged by Sola Engineering to the Client for the preparation of this report (excluding any arms' length disbursements or expenditures made or incurred by Sola Engineering as a result thereof and reimbursed by the Client).

Site Conditions
The material conditions, classifications, conclusions and recommendations contained in this report were based on the site conditions observed or tested by Sola Engineering or otherwise communicated to Sola Engineering by the Client. The description, identification and classification of soils, rocks, chemical contamination and other materials have been made based on limited investigations, sampling and testing of materials performed by Sola Engineering and its qualified representatives in reliance on the use of relevant or applicable equipment, all in accordance with commonly acceptable standards in the geotechnical and/or environmental disciplines. Accordingly, this report may include assumptions of conditions which are based on discrete sample locations and thus some conditions may not have been detected. The Client accepts all liability and risk for the use of this report and the information and data contained in it. Sola Engineering shall not be held liable or responsible for any conditions beyond the scope of tests conducted on samples of the subsurface and soil conditions of the subject property as set out in this report.

For clarity, the Client acknowledges and accepts that unique risks exist whenever engineering or related disciplines are applied to identify subsurface conditions and even a comprehensive sampling and testing program may fail to detect certain conditions. The environmental, geological, geotechnical, geochemical and hydrogeological conditions that Sola Engineering interprets to exist between sampling points may differ from those that actually exist. As a result, the Client acknowledges and accepts that because of the inherent uncertainties in subsurface evaluations, unanticipated underground conditions may occur or become known subsequent to Sola Engineering's investigation that could affect conclusions, recommendations, total Project cost and/or execution.

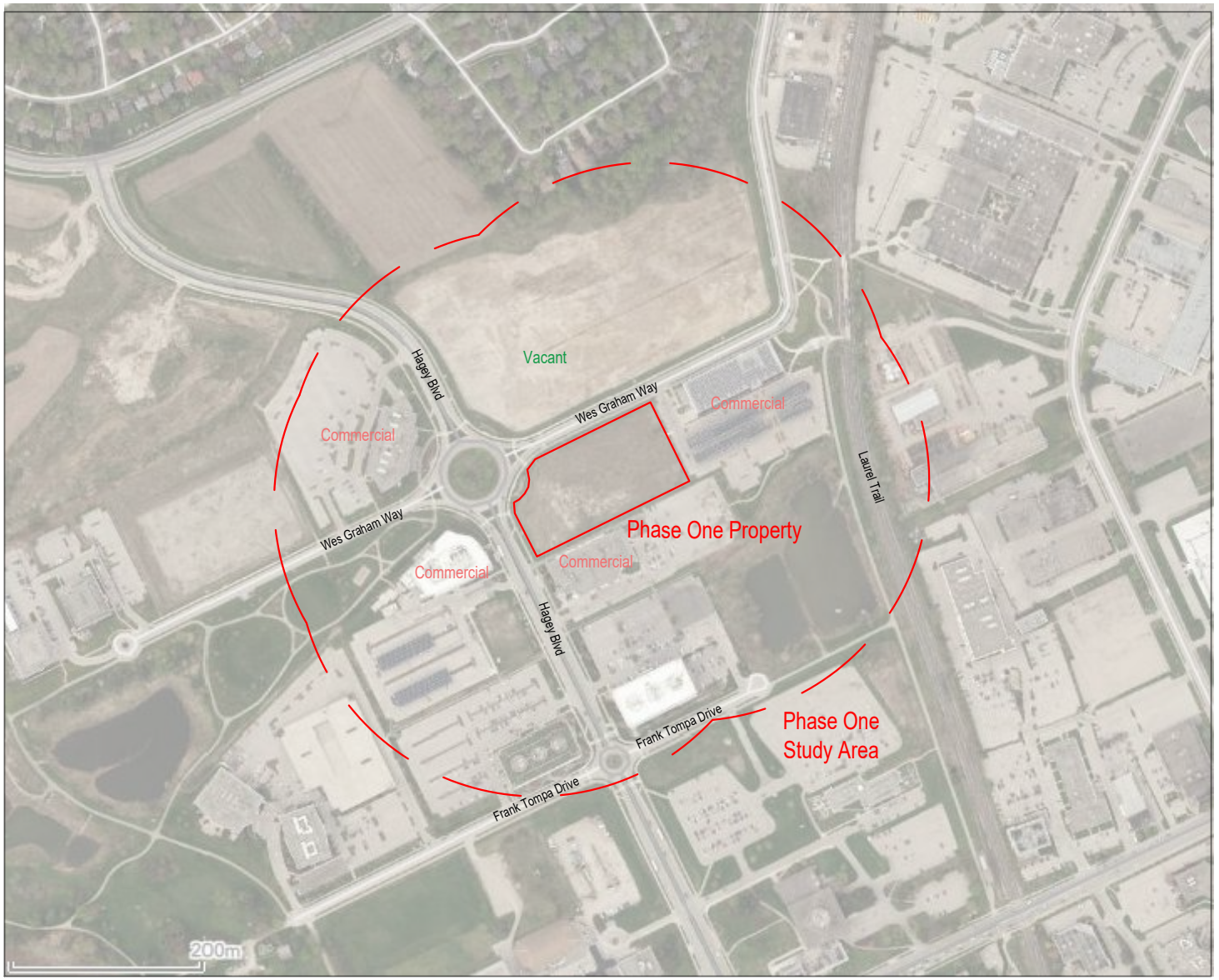
Indemnification of Risk
Though Sola Engineering adheres to the highest degree of integrity and employs due diligence in limiting the potential release of toxins and hazardous substances, the risk of accidental release of such substances is a possibility when providing geotechnical and environmental services.

In consideration of the provision of services by Sola Engineering, the Client agrees to defend, indemnify and hold Sola Engineering and its employees and agents harmless from and against any and all claims, liabilities, damages, causes of action, judgments, costs or expenses (including reasonable legal fees and disbursements), resulting from or arising by reason of the death or bodily injury to persons, damage to property, or other loss, whether related to an accidental release of pollutants or hazardous substances occurring as a result of carrying out this Project or otherwise, and whether or not resulting from Sola Engineering's negligent actions or omissions. This indemnification shall include and extend to any and all third party claims brought or threatened against Sola Engineering under any federal or provincial law or statute as a result of Sola Engineering conducting work on the Project. In addition to and notwithstanding the foregoing, the Client further agrees to unconditionally and irrevocably release Sola Engineering from, and not to bring any claims against Sola Engineering in connection with, any of the aforementioned claims or causes.

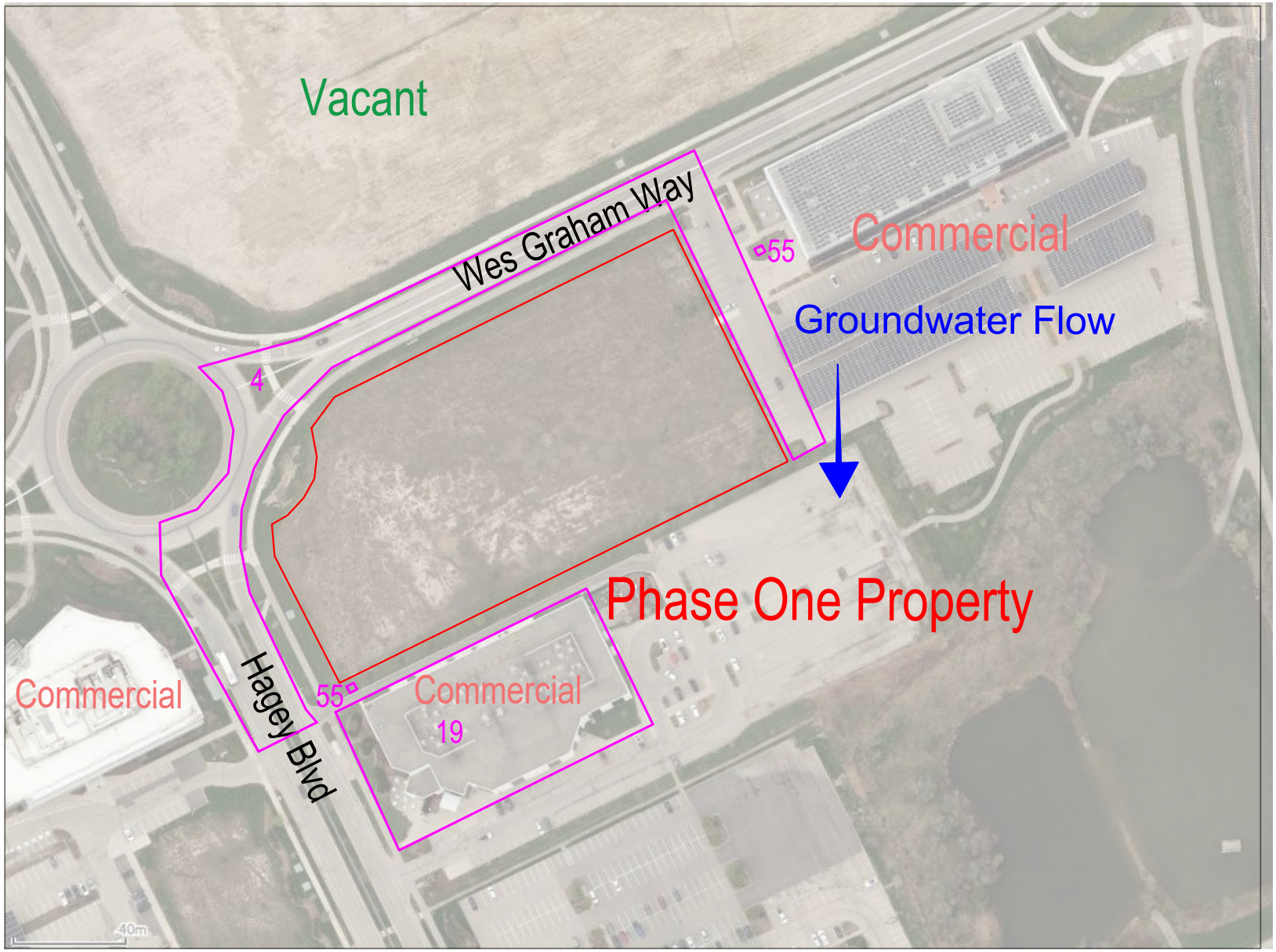
Subconsultants and Contractor Services
In conjunction with the services provided by Sola Engineering's own employees, external services provided by other persons or entities that are specializing in services other than those offered by Sola Engineering, such as drilling, excavation and laboratory testing, are often employed in order to carry out the defined scope of work. If such external services have been employed for this Project, the Client acknowledges that Sola Engineering is not in any way liable or responsible for any costs, claims or damages in relation to the services rendered by such other persons or entities or payment therefor, nor shall Sola Engineering be liable or responsible for damages for errors, omissions or negligence caused by such other persons or entities while providing such external services.

Work and Job Site Safety
Sola Engineering shall be responsible only for its activities and that of its employees on the Site. Sola Engineering shall not direct any of the fieldwork nor the work of any other person or entity on the Project. The presence of Sola Engineering staff on the Site does not relieve the Client or any contractor on the Site from their responsibilities pertaining to site safety. The Client at all times retains any and all responsibility for the safety of those individuals present on the Site and/or working on the Project, including Sola Engineering's employees.

DRAWINGS



DRAWING NO: 1	**DRAWING TITLE**: Phase One Property and Study Area Location Map	**CLIENT**: Kothari Group c/o Goldberg Group	**LEGENDS:**
		PROJECT NO: 11425A-S0770-ENV	Phase One Property
		PROJECT: Phase One Environmental Site Assessment	Phase One Study Area
SOLA ENGINEERING 390 Edgeley Blvd., Units 25 & 26, Vaughan, Ontario L4K 3Z6 T: 905 - 760 - 9501 F: 905 - 761 - 1822 W: www.solaengineering.ca	**DATE**: Feb., 2025	**SITE ADDRESS:** 380 Hagey Boulevard, Waterloo, Ontario	
	DRAWN BY: K.C.		



DRAWING NO: 2	**DRAWING TITLE**: Phase One Conceptual Site Model with Potentially Contaminating Activities	**CLIENT**: Kothari Group c/o Goldberg Group	**NOTES:** Ontario Regulation 153/04 records of site condition - part XV.1 of the Act scheduled - Phase One Environmental Site Assessments Table 2 - Potentially Contaminating Activities: 4- Antifreeze and De-icing Manufacturing and Bulk Storage 19- Electronic and Computer Equipment Manufacturing 55- Transformer Manufacturing, Processing and Use
		PROJECT NO: 11425A-S0770-ENV	**LEGENDS:** Potentially Contaminating Activities Phase One Property Phase One Study Area
		PROJECT: Phase One Environmental Site Assessment	
SOLA ENGINEERING 390 Edgeley Blvd., Units 25 & 26, Vaughan, Ontario L4K 3Z6 T: 905 - 760 - 9501 F: 905 - 761 - 1822 W: www.solaengineering.ca	**DATE**: Feb., 2025 **DRAWN BY**: K.C.	**SITE ADDRESS:** 380 Hagey Boulevard, Waterloo, Ontario	

APPENDIX A
LEGAL SURVEY

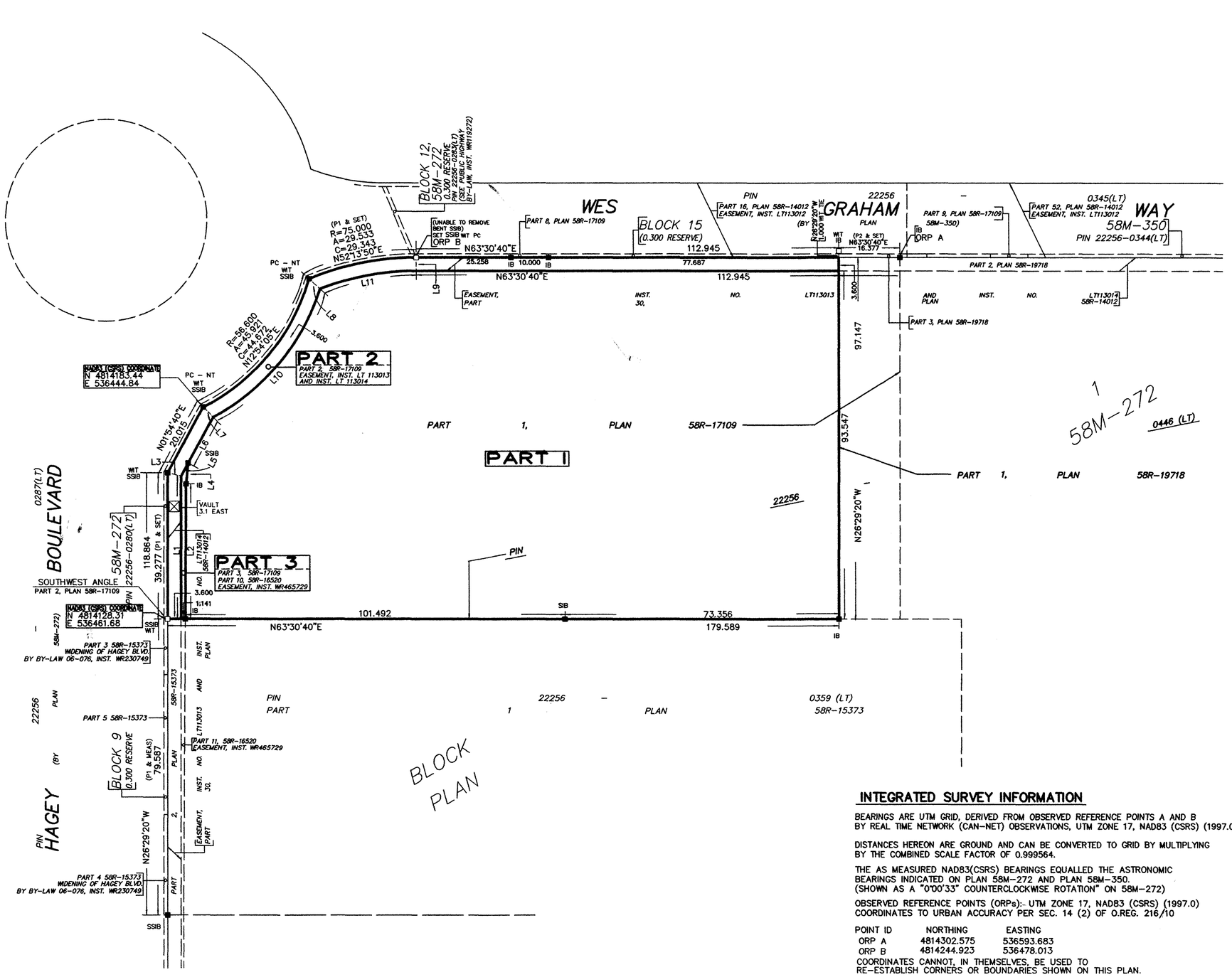
PLAN OF SURVEY
PART OF BLOCK 1, REGISTERED PLAN 58M–272
CITY OF WATERLOO
REGIONAL MUNICIPALITY OF WATERLOO

RATIO 1 : 750

20 0 20 40 60 metres

McKECHNIE SURVEYING LIMITED

DIMENSION TABLE				
L1	N26°29'20"W	38.366		
L2	N26°10'10"W	36.268		
L3	N77°42'40"E	3.713	(WIT TIE)	
L4	N20°59'35"W	5.600		
L5	N01°54'40"E	3.951		
L6	N01°54'40"E	14.063		
L7	N71°14'40"W	3.761	(WIT TIE)	
L8	N73°56'05"W	3.990	(WIT TIE)	
L9	N26°29'20"W	3.600	(WIT TIE)	
L10	R=60.200	A=45.943	C=44.836	N13°12'40"E
L11	R=71.400	A=26.436	C=26.286	N52°54'15"E



INTEGRATED SURVEY INFORMATION

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B BY REAL TIME NETWORK (CAN–NET) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (1997.0)

DISTANCES HEREON ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999564.

THE AS MEASURED NAD83(CSRS) BEARINGS EQUALLED THE ASTRONOMIC BEARINGS INDICATED ON PLAN 58M–272 AND PLAN 58M–350. (SHOWN AS A "0°00'33" COUNTERCLOCKWISE ROTATION" ON 58M–272)

OBSERVED REFERENCE POINTS (ORPs):– UTM ZONE 17, NAD83 (CSRS) (1997.0) COORDINATES TO URBAN ACCURACY PER SEC. 14 (2) OF O.REG. 216/10

POINT ID	NORTHING	EASTING
ORP A	4814302.575	536593.683
ORP B	4814244.923	536478.013

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

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

DATE OCTOBER 10, 2017

JEFFREY P. TALBOT, O.L.S.

PLAN 58R–19929

RECEIVED AND DEPOSITED

DATE October 13, 2017

REPRESENTATIVE FOR LAND REGISTRAR FOR THE LAND TITLES DIVISION OF WATERLOO (NO.58)

METRIC

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

PART SCHEDULE

PART	PIN	LOT/PLAN	AREA
1	22256–0446(LT)	PART OF BLOCK 1 PLAN 58M–272	15203.7 m^2
2			880.9 m^2
3			50.8 m^2

PARTS 1 TO 3 (BOTH INCLUSIVE) COMPRISE PART OF PIN 22256–0446(LT)
PART 2 IS SUBJECT TO EASEMENTS INST. LT113013 AND INST. LT113014.
PART 3 IS SUBJECT TO EASEMENT INST. WR465729.

LEGEND

- □ denotes SET
- ■ denotes FOUND (STAMPED "1508" UNLESS SHOWN OTHERWISE)
- SIB denotes STANDARD IRON BAR
- IB denotes IRON BAR
- SSIB denotes SHORT STANDARD IRON BAR
- MEAS denotes MEASURED
- WIT denotes WITNESS
- INST. denotes INSTRUMENT
- NO. denotes NUMBER
- PC denotes POINT OF CURVE
- NT denotes NOT TANGENTIAL
- L1 TO L11 denotes FOR DIMENSION, REFER TO TABLE
- P1 denotes PLAN 58R–17109
- P2 denotes PLAN 58R–19718

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE *SURVEYS ACT*, THE *SURVEYORS ACT* AND THE *LAND TITLES ACT* AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON OCTOBER 06, 2017.

OCTOBER 10, 2017
DATE

JEFFREY P. TALBOT, OLS
McKECHNIE SURVEYING LIMITED

DRAWN BY J.H.	RATIO 1 : 750	FILE NO. 17–053
CHECKED BY T.A./JT	DATE SEPTEMBER 29, 2017	PLAN NO. C–683

FIELD : 02001\BASE
CADD : 17053\RPLAN_17053.FLX
INTEGRATION : X_BASE_GRID_CSRS_10099
(NOTE: BY DIRECT OBSERVATION)

SINCE 1982
McKECHNIE SURVEYING LTD.

24 McINTYRE PLACE, UNIT B
KITCHENER, ONTARIO .
N2R 1H7

TEL : (519) 578–5570
email : planskwsurveys.ca

17–053 C–683

APPENDIX B
CHAIN OF TITLE

CHAIN OF TITLE REPORT

Project #: 11425A
Address: 380 Hagey Blvd., Waterloo
Legal Description: Part Block 1 Plan 58M272
Parts 1 - 3, 58R-19929

PIN #: 22256-0469 (LT)

Searched at: Kitchener
LRO #: 58

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	05 02 1758	Crown	**Richard BEASLEY** **James WILSON** **John Baptiste ROUSSEAU**
31	Deed	19 02 1801	James Wilson John Baptiste Rousseau	Richard BEASLEY
123	Deed	24 07 1805	Richard Beasley	Daniel ERB & Jacob ERB
127	Deed	25 07 1805	Daniel Erb & Jacob Erb	Jacob HERSHEY
592	Deed	07 07 1842	Jacob Hershey	John BRUBACHER, Sr.
2882	Deed	08 07 1863	John Brubacher, Sr.	John BRUBACHER, Jr.
15888	Deed	22 01 1903	John Brubacher, Jr.	Benjamin M. EBY
24329	Deed	13 01 1922	Benjamin M. Eby	Henry K. SCHNARR
209682	Deed	30 09 1960	Henry K. Schnarr	Major Holdings & Developments Ltd.

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 11425A
Address: 380 Hagey Blvd., Waterloo
Legal Description: Part Block 1 Plan 58M272
Parts 1 - 3, 58R-19929

PIN #: 22256-0469 (LT)

Searched at: Kitchener
LRO #: 58

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
312809	Deed	25 11 1965	Major Holdings & Developments Ltd.	University of Waterloo
LT113013	Easement	02 05 2003	University of Waterloo	The Corporation of The City of Waterloo
LT113014	Easement	02 05 2003	University of Waterloo	Waterloo North Hydro Inc.
WR465729	Easement	03 06 2009	University of Waterloo	Union Gas Limited
WR1078697	Deed **(Present Owner)**	14 11 2017	University of Waterloo	**University of Waterloo**
WR465729	Easement	03 06 2009	University of Waterloo	Union Gas Limited (Lessee)

APPENDIX C
ERIS REPORT

DATABASE REPORT

Project Property:	*11425A* *380 Hagey Blvd* *Waterloo ON N2L 0A4*
Project No:	
Report Type:	*RSC Report (Urban)*
Order No:	*25021100685*
Requested by:	*Sola Engineering Inc.*
Date Completed:	*February 14, 2025*

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

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property:	*11425A* *380 Hagey Blvd Waterloo ON N2L 0A4*
Project No:	

Order Information:

Order No:	*25021100685*
Date Requested:	*February 11, 2025*
Requested by:	*Sola Engineering Inc.*
Report Type:	*RSC Report (Urban)*

Historical/Products:

City Directory Search	*Smart CD Search*
ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Topographic Map	*RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	7	7
CA	*Certificates of Approval*	Y	0	1	1
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	2	2
EBR	*Environmental Registry*	Y	0	2	2
ECA	*Environmental Compliance Approval*	Y	0	4	4
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	14	14
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	33	33
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	7	7
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
WDSH	***Waste Disposal Sites - MOE 1991 Historical Approval Inventory***	*Y*	*0*	*0*	*0*
WWIS	***Water Well Information System***	*Y*	*2*	*16*	*18*
		Total:	*2*	*88*	*90*

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		ON **Well ID:** 7160059	WNW/0.0	0.59	28
1	WWIS		380 HAGEY BLVD. Waterloo ON **Well ID:** 7163994	WNW/0.0	0.59	29

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SCT	Research In Motion Limited	350 Hagey Blvd Waterloo ON N2L 3W8	SW/8.9	3.98	31
3	WWIS		420 WES GRAHANM WAY Waterloo ON ***Well ID:*** 7289425	ENE/15.2	-0.97	31
4	PTTW	2237467 Ontario Inc.	ON	ENE/18.6	-0.33	40
4	ECA	2237467 Ontario Inc.	420 Wes Graham Way Waterloo ON N2L 1C9	ENE/18.6	-0.33	40
4	ECA	2237467 Ontario Inc.	420 Wes Graham Way Waterloo ON N2L 1C9	ENE/18.6	-0.33	41
4	EBR	2237467 Ontario Inc.	420 Wes Graham Way Waterloo Regional Municipality of Waterloo CITY OF WATERLOO ON	ENE/18.6	-0.33	41
4	EHS		420 Wes Graham Way Waterloo ON N2L5W3	ENE/18.6	-0.33	41
5	GEN	Techtown Dentistry	340 Hagey Blvd Waterloo ON N2L6R6	S/35.6	0.67	42
6	WWIS		420 WEST GRAHAM WAY Waterloo ON ***Well ID:*** 7277022	ENE/72.5	-0.30	42
7	CA	Agfa HealthCare Inc.	375 Hagey Blvd Waterloo ON	WSW/82.4	5.11	45
7	EHS		375 Hagey Boulavard Waterloo Regional Municipality ON N2L 6R5	WSW/82.4	5.11	45

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	EHS		375 Hagey Boulevard Waterloo ON N2L 6R5	WSW/82.4	5.11	45
7	ECA	Agfa HealthCare Inc.	375 Hagey Blvd Waterloo ON	WSW/82.4	5.11	45
7	GEN	AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	WSW/82.4	5.11	46
7	GEN	AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	WSW/82.4	5.11	46
7	GEN	AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	WSW/82.4	5.11	46
7	GEN	AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	WSW/82.4	5.11	47
7	EHS		375 Hagey Blvd Waterloo ON N2L6R5	WSW/82.4	5.11	47
7	GEN	AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	WSW/82.4	5.11	47
7	GEN	AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	WSW/82.4	5.11	48
7	EHS		375 Hagey Boulevard Waterloo ON N2L 6R6	WSW/82.4	5.11	50
8	WWIS		420 WES GRAHAM WAY Waterloo ON ***Well ID:*** 7281422	ENE/92.1	-1.61	50
9	WWIS		420 WES GRAHAM WAY Waterloo ON ***Well ID:*** 7287710	ENE/99.2	-1.13	59
10	EHS		375 Hagey Boulevard Waterloo ON N2L 6R6	WSW/120.0	4.98	61

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	BORE		ON	SE/122.8	-2.40	61
12	BORE		ON	SE/132.1	-2.40	62
13	WWIS		420 WES GRAHAM WAY Waterloo ON ***Well ID:*** 7289426	E/137.0	-1.98	64
14	WWIS		420 WEST GRAHAM WAY Waterloo ON ***Well ID:*** 7287709	ENE/143.0	-1.33	69
15	SCT	Sybase Inc.	445 Wes Graham Way Waterloo ON N2L 6R2	W/144.6	6.98	71
15	EHS		445 Wes Graham Way Waterloo ON N2L6R2	W/144.6	6.98	71
16	EHS		300 Hagey Blvd Waterloo ON N2L 0A4	SSE/168.6	-0.75	72
16	GEN	Research In Motion Limited	300 Hagey Blvd Waterloo ON	SSE/168.6	-0.75	72
16	GEN	Research In Motion Limited	300 Hagey Blvd Waterloo ON N2L 0A4	SSE/168.6	-0.75	72
16	GEN	Research In Motion Limited	300 Hagey Blvd Waterloo ON N2L 0A4	SSE/168.6	-0.75	73
16	GEN	Research In Motion Limited	300 Hagey Blvd Waterloo ON N2L 0A4	SSE/168.6	-0.75	73
16	GEN	Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	SSE/168.6	-0.75	73
16	GEN	Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	SSE/168.6	-0.75	74

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
16	EHS		300 Hagey Blvd Waterloo ON N2L0A4	SSE/168.6	-0.75	75
16	GEN	Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	SSE/168.6	-0.75	75
17	GEN	Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	SSE/183.0	-1.67	76
18	SCT	Miovision Technologies	295 Hagey Blvd Waterloo ON N2L 6R5	SSW/202.5	-0.02	79
18	SCT	Navtech Systems Support Inc.	295 Hagey Blvd Suite 200 Waterloo ON N2L 6R5	SSW/202.5	-0.02	80
18	EHS		295 Hagey Blvd Waterloo ON N2L6R5	SSW/202.5	-0.02	80
19	BORE		ON	ESE/218.2	-5.06	80
20	BORE		ON	E/225.6	-0.99	81
21	WWIS		200 COLUMBIA ST W Waterloo ON ***Well ID:*** 7286591	SE/229.7	-6.02	82
22	BORE		ON	ESE/238.3	-6.02	86
23	SCT	Valley Blades Limited	435 Phillip St Waterloo ON N2L 3X2	E/250.5	-0.72	87
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET WATERLOO ON N2J 3Z9	E/250.5	-0.72	87
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	E/250.5	-0.72	88

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	EHS		435 Phillip St Waterloo ON N2L 3X2	E/250.5	-0.72	88
23	EHS		435 Phillip Street Waterloo ON N2L 3X2	E/250.5	-0.72	88
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	E/250.5	-0.72	89
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	E/250.5	-0.72	89
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	E/250.5	-0.72	89
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	E/250.5	-0.72	90
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON	E/250.5	-0.72	90
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	E/250.5	-0.72	91
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	E/250.5	-0.72	91
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	E/250.5	-0.72	92
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	E/250.5	-0.72	92
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	E/250.5	-0.72	93
23	GEN	VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	E/250.5	-0.72	94

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	EBR	Valley Blades Limited	435 Phillip Street Waterloo, ON Canada ON	E/250.5	-0.72	94
23	ECA	Valley Blades Limited	435 Phillip Street Waterloo ON N2L 3X2	E/250.5	-0.72	95
23	WWIS		435 Phillip Street lot 12 Waterloo ON ***Well ID:*** 7440404	E/250.5	-0.72	95
24	WWIS		FRANK TOMPA DR Waterloo ON ***Well ID:*** 7333790	ESE/255.5	-5.02	99
25	WWIS		lot 43 WATERLOO ON ***Well ID:*** 6509664	E/259.7	-4.02	102
26	WWIS		COLUMBIA ST WATERLOO ON ***Well ID:*** 7232572	ESE/263.4	-5.06	104
27	WWIS		451 PHILLIP ST WATERLOO ON ***Well ID:*** 7238646	ENE/264.0	-0.02	106
28	WWIS		435 PHILIP ST. WATERLOO ON ***Well ID:*** 7265298	ENE/266.7	-0.02	109
29	WWIS		451 PHILLIP ST Waterloo ON ***Well ID:*** 7238645	ENE/268.9	-0.02	112
30	EHS		275 Frank Tompa Drive Waterloo ON N2L 0A1	SW/277.0	3.98	115
30	SCT	Open Text Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	115
30	SCT	Spicer Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	115
30	EASR	OPEN TEXT CORPORATION	275 FRANK TOMPA DR WATERLOO ON N2L 0A1	SW/277.0	3.98	116

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
30	INC		275 Frank Tompa Drive, Waterloo ON N2L 0A1	SW/277.0	3.98	116
30	EASR	OPEN TEXT CORPORATION	275 FRANK TOMPA DR WATERLOO ON N2L 0A1	SW/277.0	3.98	117
30	GEN	OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	117
30	GEN	OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	117
30	GEN	OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	118
30	GEN	OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	118
30	GEN	OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	SW/277.0	3.98	118
31	BORE		ON	ESE/277.9	-6.11	121
32	WWIS		ON ***Well ID:*** 6507205	NE/280.6	-0.02	122
33	WWIS		451 PHILLIP ST WATERLOO ON ***Well ID:*** 7238647	NE/285.2	-0.02	126
34	BORE		ON	E/293.9	-0.23	129
35	EHS		295 Hagey Blvd. Waterloo ON N2L 6R5	WNW/294.6	8.98	130

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 7 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	122.8	11
	ON	132.1	12
	ON	218.2	19
	ON	225.6	20
	ON	238.3	22
	ON	277.9	31
	ON	293.9	34

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Agfa HealthCare Inc.	375 Hagey Blvd Waterloo ON	82.4	7

Site	Address	Distance (m)	Map Key

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Oct 31, 2024 has found that there are 2 EASR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OPEN TEXT CORPORATION	275 FRANK TOMPA DR WATERLOO ON N2L 0A1	277.0	30
OPEN TEXT CORPORATION	275 FRANK TOMPA DR WATERLOO ON N2L 0A1	277.0	30

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Dec 31, 2024 has found that there are 2 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2237467 Ontario Inc.	420 Wes Graham Way Waterloo Regional Municipality of Waterloo CITY OF WATERLOO ON	18.6	4
Valley Blades Limited	435 Phillip Street Waterloo, ON Canada ON	250.5	23

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 31, 2024 has found that there are 4 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2237467 Ontario Inc.	420 Wes Graham Way Waterloo ON N2L 1C9	18.6	4
2237467 Ontario Inc.	420 Wes Graham Way Waterloo ON N2L 1C9	18.6	4

Site	Address	Distance (m)	Map Key
Agfa HealthCare Inc.	375 Hagey Blvd Waterloo ON	82.4	7
Valley Blades Limited	435 Phillip Street Waterloo ON N2L 3X2	250.5	23

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 14 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	420 Wes Graham Way Waterloo ON N2L5W3	18.6	4
	375 Hagey Boulavard Waterloo Regional Municipality ON N2L 6R5	82.4	7
	375 Hagey Boulevard Waterloo ON N2L 6R5	82.4	7
	375 Hagey Blvd Waterloo ON N2L6R5	82.4	7
	375 Hagey Boulevard Waterloo ON N2L 6R6	82.4	7
	375 Hagey Boulevard Waterloo ON N2L 6R6	120.0	10
	445 Wes Graham Way Waterloo ON N2L6R2	144.6	15

Site	Address	Distance (m)	Map Key
	300 Hagey Blvd Waterloo ON N2L 0A4	168.6	16
	300 Hagey Blvd Waterloo ON N2L0A4	168.6	16
	295 Hagey Blvd Waterloo ON N2L6R5	202.5	18
	435 Phillip St Waterloo ON N2L 3X2	250.5	23
	435 Phillip Street Waterloo ON N2L 3X2	250.5	23
	275 Frank Tompa Drive Waterloo ON N2L 0A1	277.0	30
	295 Hagey Blvd. Waterloo ON N2L 6R5	294.6	35

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Nov 30, 2022 has found that there are 33 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Techtown Dentistry	340 Hagey Blvd Waterloo ON N2L6R6	35.6	5
AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	82.4	7
AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	82.4	7

Site	Address	Distance (m)	Map Key
AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	82.4	7
AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	82.4	7
AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	82.4	7
AGFA HEALTHCARE INC.	375 HAGEY BLVD WATERLOO ON N2L6R5	82.4	7
Research In Motion Limited	300 Hagey Blvd Waterloo ON	168.6	16
Research In Motion Limited	300 Hagey Blvd Waterloo ON N2L 0A4	168.6	16
Research In Motion Limited	300 Hagey Blvd Waterloo ON N2L 0A4	168.6	16
Research In Motion Limited	300 Hagey Blvd Waterloo ON N2L 0A4	168.6	16
Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	168.6	16
Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	168.6	16
Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	168.6	16

Site	Address	Distance (m)	Map Key
Stantec Consulting Ltd.	100-300 Hagey Blvd. Waterloo ON N2L 0A4	183.0	17
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET WATERLOO ON N2J 3Z9	250.5	23

Site	Address	Distance (m)	Map Key
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	250.5	23
VALLEY BLADES LIMITED	435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	250.5	23
OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30
OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30
OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30
OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30
OpenText Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated 31 Oct, 2023 has found that there are 1 INC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	275 Frank Tompa Drive, Waterloo ON N2L 0A1	277.0	30

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Dec 31, 2024 has found that there are 1 PTTW site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2237467 Ontario Inc.	ON	18.6	4

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 7 SCT site(s) within approximately 0.30 kilometers of the project property.

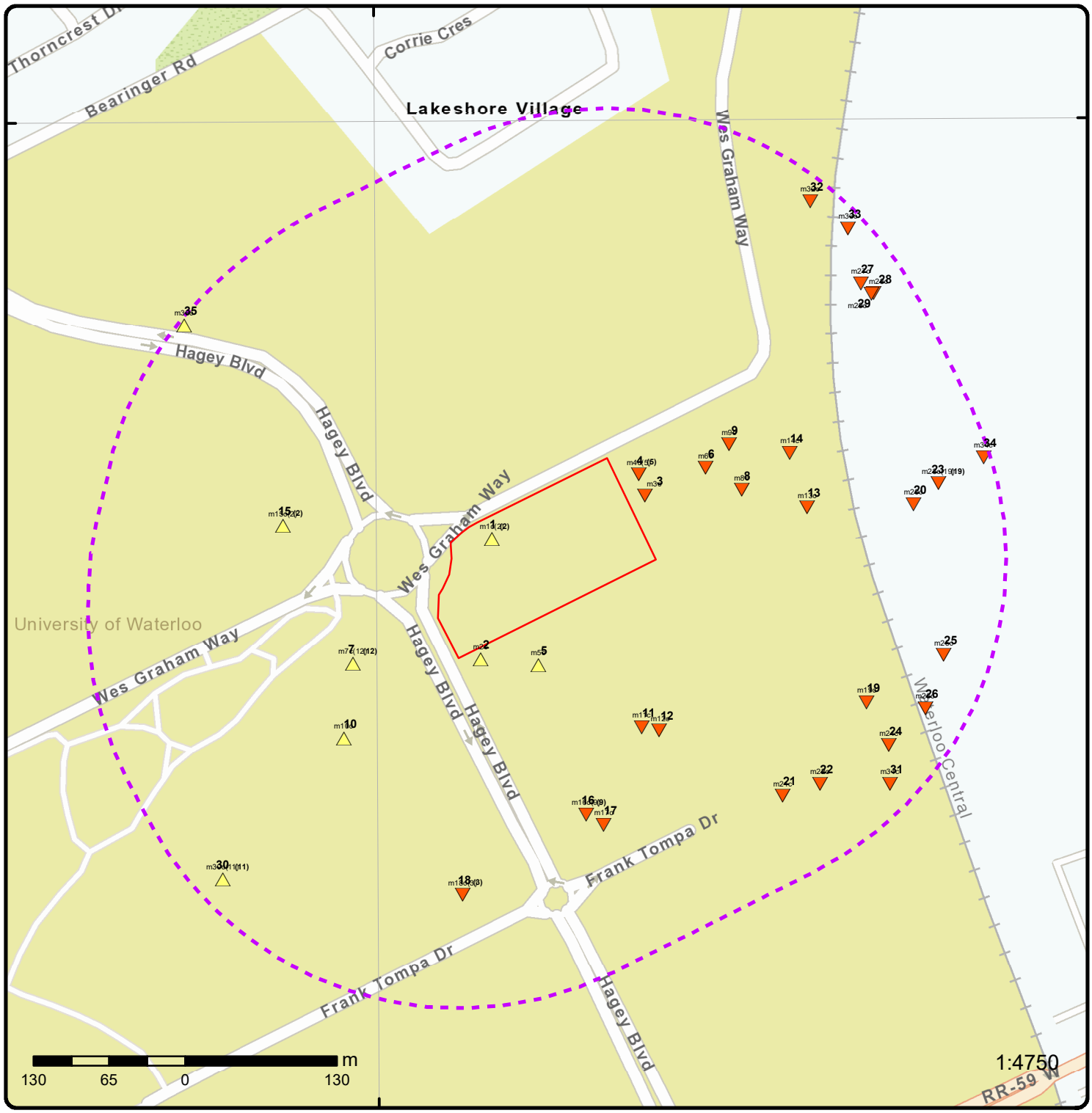
Site	Address	Distance (m)	Map Key
Research In Motion Limited	350 Hagey Blvd Waterloo ON N2L 3W8	8.9	2
Sybase Inc.	445 Wes Graham Way Waterloo ON N2L 6R2	144.6	15
Miovision Technologies	295 Hagey Blvd Waterloo ON N2L 6R5	202.5	18
Navtech Systems Support Inc.	295 Hagey Blvd Suite 200 Waterloo ON N2L 6R5	202.5	18
Valley Blades Limited	435 Phillip St Waterloo ON N2L 3X2	250.5	23
Spicer Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30
Open Text Corporation	275 Frank Tompa Dr Waterloo ON N2L 0A1	277.0	30

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 18 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	380 HAGEY BLVD. Waterloo ON ***Well ID:*** 7163994	0.0	1
	ON ***Well ID:*** 7160059	0.0	1
	420 WES GRAHANM WAY Waterloo ON ***Well ID:*** 7289425	15.2	3
	420 WEST GRAHAM WAY Waterloo ON ***Well ID:*** 7277022	72.5	6
	420 WES GRAHAM WAY Waterloo ON ***Well ID:*** 7281422	92.1	8
	420 WES GRAHAM WAY Waterloo ON ***Well ID:*** 7287710	99.2	9
	420 WES GRAHAM WAY Waterloo ON ***Well ID:*** 7289426	137.0	13
	420 WEST GRAHAM WAY Waterloo ON ***Well ID:*** 7287709	143.0	14
	200 COLUMBIA ST W Waterloo ON ***Well ID:*** 7286591	229.7	21
	435 Phillip Street lot 12 Waterloo ON ***Well ID:*** 7440404	250.5	23
	FRANK TOMPA DR Waterloo ON ***Well ID:*** 7333790	255.5	24
	lot 43 WATERLOO ON	259.7	25

Site	Address	Distance (m)	Map Key
	Well ID: 6509664		
	COLUMBIA ST WATERLOO ON ***Well ID:*** 7232572	263.4	26
	451 PHILLIP ST WATERLOO ON ***Well ID:*** 7238646	264.0	27
	435 PHILIP ST. WATERLOO ON ***Well ID:*** 7265298	266.7	28
	451 PHILLIP ST Waterloo ON ***Well ID:*** 7238645	268.9	29
	ON ***Well ID:*** 6507205	280.6	32
	451 PHILLIP ST WATERLOO ON ***Well ID:*** 7238647	285.2	33



Map: 0.3 Kilometer Radius

Order Number: 25021100685

Address: 380 Hagey Blvd, Waterloo, 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)

Source: © 2021 ESRI StreetMap Premium.

© ERIS Information Limited Partnership

80°33'W



43°28'30"N

43°28'30"N

Aerial

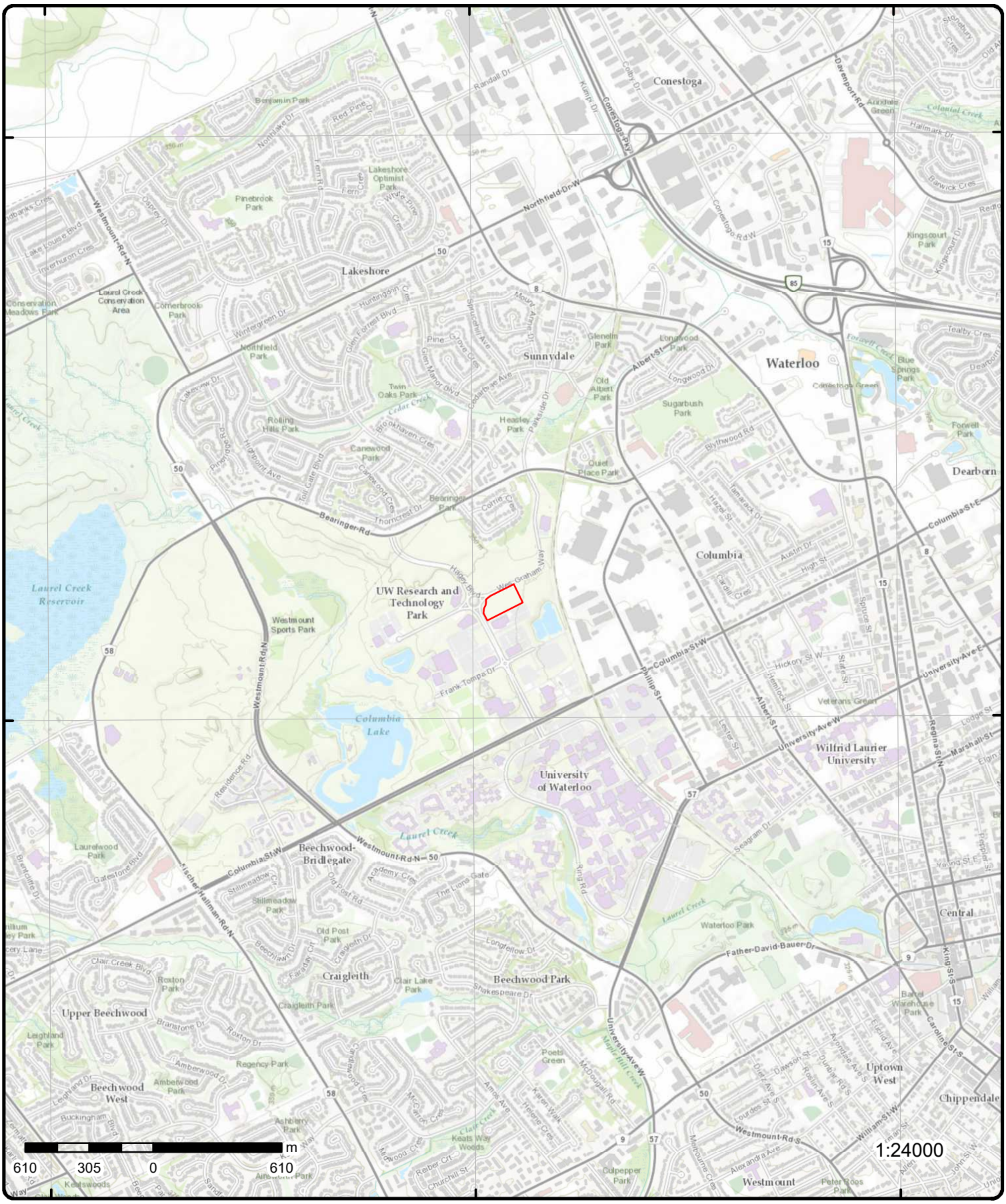
Year: 2022

Order Number: 25021100685

Address: 380 Hagey Blvd, Waterloo, ON

Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 380 Hagey Blvd, ON

Source: ESRI World Topographic Map

Order Number: 25021100685

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	WNW/0.0	345.5 / 0.59	ON	WWIS

Well ID:	7160059	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	03/07/2011
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	M04785	**Contractor:**	7366
Tag:	A097904	**Form Version:**	5
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: WATERLOO CITY (WATERLOO TWP)
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7160059.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/14/2011
Year Completed: 2011
Depth (m):
Latitude: 43.4801072123016
Longitude: -80.5487870774992
X: -80.5487869287011
Y: 43.48010721116614
Path: 716\7160059.pdf

Bore Hole Information

Bore Hole ID:	1003483021	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536490.00
Code OB Desc:		**North83:**	4814231.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	02/14/2011	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
1	2 of 2	WNW/0.0	345.5 / 0.59	380 HAGEY BLVD. Waterloo ON	WWIS

Well ID:	7163994	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	06/15/2011
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z117024	**Contractor:**	7366
Tag:	A097904	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: WATERLOO CITY (WATERLOO TWP)
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7163994.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/27/2011
Year Completed: 2011
Depth (m):
Latitude: 43.4801072123016
Longitude: -80.5487870774992
X: -80.5487869287011
Y: 43.48010721116614
Path: 716\7163994.pdf

Bore Hole Information

Bore Hole ID:	1003518467	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536490.00
Code OB Desc:		**North83:**	4814231.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	05/27/2011	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1003882757

Layer: 2
Plug From: 0.0
Plug To: 27.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003882756
Layer: 1
Plug From: 0.0
Plug To: 15.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003882755
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1003882749
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003882753
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003882754
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1003882752
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003882751
Diameter: 13.0
Depth From: 0.0
Depth To: 4.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

2 | ***1 of 1*** | ***SW/8.9*** | ***348.8 / 3.98*** | ***Research In Motion Limited*** ***350 Hagey Blvd*** ***Waterloo ON N2L 3W8*** | ***SCT***

Established:
Plant Size (ft²):
Employment:

--Details--
Description: Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
SIC/NAICS Code: 334220

Description: Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
SIC/NAICS Code: 334220

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3 | ***1 of 1*** | ***ENE/15.2*** | ***343.9 / -0.97*** | ***420 WES GRAHANM WAY*** ***Waterloo ON*** | ***WWIS***

Well ID:	7289425	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Commerical	***Data Entry Status:***	
Use 2nd:	Cooling And A/C	***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	06/30/2017
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z247104	***Contractor:***	2644
Tag:	A216958	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	WATERLOO
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: WATERLOO CITY (WATERLOO TWP)
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7289425.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/12/2017
Year Completed: 2017
Depth (m): 160.02
Latitude: 43.4804339587722
Longitude: -80.5471647734963
X: -80.54716462478181
Y: 43.480433957907785
Path: 728\7289425.pdf

Bore Hole Information

Bore Hole ID:	1006593939	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	536621.00
Code OB Desc:		***North83:***	4814268.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/12/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006632360
Layer:	3
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	68.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632364
Layer:	7
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	190.0
Formation End Depth:	202.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632363
Layer:	6
Color:	2
General Color:	GREY
Material 1:	05

Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	143.0
Formation End Depth:	190.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632358
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	13.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632361
Layer:	4
Color:	2
General Color:	GREY
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	84
Material 3 Desc:	SILTY
Formation Top Depth:	68.0
Formation End Depth:	120.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632362
Layer:	5
Color:	2
General Color:	GREY
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	120.0
Formation End Depth:	143.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632365
Layer:	8
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	33
Material 2 Desc:	MARL
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	202.0
Formation End Depth:	213.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632366
Layer:	9
Color:	3
General Color:	BLUE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	17
Material 2 Desc:	SHALE
Material 3:	74
Material 3 Desc:	LAYERED
Formation Top Depth:	213.0
Formation End Depth:	525.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632359
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	13.0
Formation End Depth:	32.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006632404
Layer:	1
Plug From:	0.0
Plug To:	238.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006632403

Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006632356
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006632372
Layer:	1
Material:	8
Open Hole or Material:	STAINLESS STEEL
Depth From:	-2.0
Depth To:	238.0
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006632373
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	238.0
Depth To:	525.0
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006632374
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1006632357
Pump Set At:	240.0
Static Level:	103.0
Final Level After Pumping:	216.0
Recommended Pump Depth:	240.0
Pumping Rate:	360.0
Flowing Rate:	
Recommended Pump Rate:	360.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

Pumping Test Method: 0
Pumping Duration HR: 72
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1006632386
Test Type: Recovery
Test Duration: 10
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632391
Test Type: Draw Down
Test Duration: 25
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632395
Test Type: Draw Down
Test Duration: 40
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632398
Test Type: Recovery
Test Duration: 50
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632378
Test Type: Recovery
Test Duration: 2
Test Level: 104.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632383
Test Type: Draw Down
Test Duration: 5
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632387
Test Type: Draw Down
Test Duration: 15
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632389
Test Type: Draw Down
Test Duration: 20
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632392
Test Type: Recovery
Test Duration: 25
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632397
Test Type: Draw Down
Test Duration: 50
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632376
Test Type: Recovery
Test Duration: 1
Test Level: 104.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632382
Test Type: Recovery
Test Duration: 4
Test Level: 104.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632385
Test Type: Draw Down
Test Duration: 10
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632380
Test Type: Recovery
Test Duration: 3
Test Level: 104.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632384
Test Type: Recovery
Test Duration: 5
Test Level: 104.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632390
Test Type: Recovery
Test Duration: 20
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632394
Test Type: Recovery
Test Duration: 30
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632400
Test Type: Recovery
Test Duration: 60
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632399
Test Type: Draw Down
Test Duration: 60
Test Level: 215.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632377
Test Type: Draw Down
Test Duration: 2
Test Level: 169.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632393
Test Type: Draw Down
Test Duration: 30
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632396
Test Type: Recovery
Test Duration: 40
Test Level: 103.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632375
Test Type: Draw Down
Test Duration: 1
Test Level: 168.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632381
Test Type: Draw Down
Test Duration: 4
Test Level: 214.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632388
Test Type: Recovery
Test Duration: 15
Test Level: 103.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006632379
Test Type: Draw Down
Test Duration: 3
Test Level: 214.0
Test Level UOM: ft

Water Details

Water ID: 1006632370
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 469.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006632371
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 514.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006632369
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 270.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006632367
Diameter: 12.25
Depth From: 0.0
Depth To: 238.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1006632368
Diameter: 7.875
Depth From: 238.0
Depth To: 525.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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4 | ***1 of 5*** | ***ENE/18.6*** | ***344.5 / -0.33*** | ***2237467 Ontario Inc.*** | ***PTTW***

ON

EBR Registry No: 013-1386
Ministry Ref No: 6166-AQJJZR
Notice Type: Instrument Decision
Notice Stage:
Notice Date: January 10, 2018
Proposal Date: August 30, 2017
Year: 2017
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 2237467 Ontario Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 43 Allen Street West, Waterloo Ontario, Canada N2L 1C9
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

420 Wes Graham Way Address: 420 Wes Graham Way, Waterloo, City, Regional Municipality of Waterloo District Office: Guelph GeoReference: Zone: 17, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, Method: GPS, UTM Easting: 536704, UTM Northing: 4814273, , REGIONAL MUNICIPALITY OF WATERLOO

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4 | ***2 of 5*** | ***ENE/18.6*** | ***344.5 / -0.33*** | ***2237467 Ontario Inc.*** ***420 Wes Graham Way*** ***Waterloo ON N2L 1C9*** | ***ECA***

Approval No: 1171-AQHNJA
Approval Date: 2017-09-13
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 2237467 Ontario Inc.

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Address: 420 Wes Graham Way
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1952-AKXLLK-14.pdf
PDF Site Location:

---

4 | **3 of 5** | **ENE/18.6** | **344.5 / -0.33** | **2237467 Ontario Inc.**
420 Wes Graham Way
Waterloo ON N2L 1C9 | **ECA**

Approval No: 7340-AZ8KEE
Approval Date: 2018-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Grand River
MOE District: Guelph
City:
Longitude: -80.54605
Latitude: 43.481978
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 2237467 Ontario Inc.
Address: 420 Wes Graham Way
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1732-AWFJK6-14.pdf
PDF Site Location:

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4 | **4 of 5** | **ENE/18.6** | **344.5 / -0.33** | **2237467 Ontario Inc.**
420 Wes Graham Way Waterloo Regional Municipality of Waterloo CITY OF WATERLOO ON | **EBR**

EBR Registry No: 013-2612
Ministry Ref No: 1732-AWFJK6
Notice Type: Instrument Decision
Notice Stage:
Notice Date: July 23, 2018
Proposal Date: March 16, 2018
Year: 2018
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: Environmental Compliance Approval (project type: sewage) - EPA Part II.1-sewage
Off Instrument Name:
Posted By:
Company Name: 2237467 Ontario Inc.(EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage)
Site Address:
Location Other:
Proponent Name: 2237467 Ontario Inc.
Proponent Address: 43 Allen Street West Waterloo Ontario Canada N2L 1C9
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM0ODgy&statusId=MjA2MjU1&language=en
Summary:

Site Location Details:

420 Wes Graham Way
Waterloo
Regional Municipality of Waterloo
CITY OF WATERLOO

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4 | **5 of 5** | **ENE/18.6** | **344.5 / -0.33** | **420 Wes Graham Way**
Waterloo ON N2L5W3 | **EHS**

Order No: 20170313037
Status: C
Nearest Intersection:
Municipality: Waterloo

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

Report Type:	Standard Select Report	**Client Prov/State:**	ON
Report Date:	17-MAR-17	**Search Radius (km):**	.25
Date Received:	13-MAR-17	**X:**	-80.546067
Previous Site Name:		**Y:**	43.481024
Lot/Building Size:			
Additional Info Ordered:			

5 | **1 of 1** | **S/35.6** | **345.5 / 0.67** | **Techtown Dentistry**
340 Hagey Blvd
Waterloo ON N2L6R6 | **GEN**

Generator Info

Generator No:	ON7054284	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2014	**Contaminated Fac:**	No
Status:		**MHSW Facility:**	No
PO Box No:		**SIC Code:**	621210
Country:	Canada		
Co Admin:	Tim Sellner		
Phone No Admin:	519-746-7333 Ext.		
SIC Description:	OFFICES OF DENTISTS		

Waste Detail(s)

Waste Class:	312
Waste Class Name:	PATHOLOGICAL WASTES

6 | **1 of 1** | **ENE/72.5** | **344.6 / -0.30** | **420 WEST GRAHAM WAY**
Waterloo ON | **WWIS**

Well ID:	7277022	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	12/13/2016
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z238696	**Contractor:**	7190
Tag:	A156790	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1006305464	**Tag No:**	A156790
Depth M:	6.096	**Contractor:**	7190
Year Completed:	2016	**Latitude:**	43.4806475077522
Well Completed Dt:	11/12/2016	**Longitude:**	-80.5465201735227
Audit No:	Z238696	**Y:**	43.48064750736615
Path:		**X:**	-80.54652002535938

Bore Hole Information

Bore Hole ID:	1006305464	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	536673.00
Code OB Desc:		***North83:***	4814292.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/12/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006488284
Layer:	1
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	66
Material 3 Desc:	DENSE
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006488285
Layer:	2
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	66
Material 3 Desc:	DENSE
Formation Top Depth:	10.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006488293
Layer:	2
Plug From:	8.0
Plug To:	20.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006488292
Layer:	1
Plug From:	0.0
Plug To:	8.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006488291
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006488283
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006488288
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	10.0
Casing Diameter:	0.75
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006488289
Layer:	1
Slot:	
Screen Top Depth:	10.0
Screen End Depth:	20.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	0.75

Water Details

Water ID:	1006488287
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	12.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006488286
Diameter:	4.5

Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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7 **1 of 12** **WSW/82.4** **350.0 / 5.11** **Agfa HealthCare Inc.** **CA**
375 Hagey Blvd
Waterloo ON

Certificate #: 1287-8KFQFX
Application Year: 2011
Issue Date: 8/9/2011
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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7 **2 of 12** **WSW/82.4** **350.0 / 5.11** **375 Hagey Boulavard** **EHS**
Waterloo Regional Municipality ON N2L 6R5

Order No: 20121112043
Status: C
Report Type: Site Report
Report Date: 13-NOV-12
Date Received: 12-NOV-12
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: NY
Search Radius (km): .25
X: -80.549727
Y: 43.479363

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7 **3 of 12** **WSW/82.4** **350.0 / 5.11** **375 Hagey Boulevard** **EHS**
Waterloo ON N2L 6R5

Order No: 20130215034
Status: C
Report Type: Standard Select Report
Report Date: 19-FEB-13
Date Received: 15-FEB-13
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality: Region of Waterloo
Client Prov/State: ON
Search Radius (km): .25
X: -80.55037
Y: 43.479083

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7 **4 of 12** **WSW/82.4** **350.0 / 5.11** **Agfa HealthCare Inc.** **ECA**
375 Hagey Blvd
Waterloo ON

Approval No: 1287-8KFQFX
Approval Date: 2011-08-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Agfa HealthCare Inc.
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Address: 375 Hagey Blvd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8777-8GKKL9-14.pdf
PDF Site Location:

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7 **5 of 12** **WSW/82.4** **350.0 / 5.11** **AGFA HEALTHCARE INC.**
375 HAGEY BLVD
WATERLOO ON N2L6R5
GEN

Generator Info

Generator No:	ON3317377	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2016	**Contaminated Fac:**	No
Status:		**MHSW Facility:**	No
PO Box No:		**SIC Code:**	541510
Country:	Canada		
Co Admin:	KEVIN Kevin M CURLEY		
Phone No Admin:	2013733689 Ext.		
SIC Description:	COMPUTER SYSTEMS DESIGN AND RELATED SERVICES		

Waste Detail(s)

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

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7 **6 of 12** **WSW/82.4** **350.0 / 5.11** **AGFA HEALTHCARE INC.**
375 HAGEY BLVD
WATERLOO ON N2L6R5
GEN

Generator Info

Generator No:	ON3317377	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2015	**Contaminated Fac:**	No
Status:		**MHSW Facility:**	No
PO Box No:		**SIC Code:**	541510
Country:	Canada		
Co Admin:	KEVIN Kevin M CURLEY		
Phone No Admin:	2013733689 Ext.		
SIC Description:	COMPUTER SYSTEMS DESIGN AND RELATED SERVICES		

Waste Detail(s)

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

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7 **7 of 12** **WSW/82.4** **350.0 / 5.11** **AGFA HEALTHCARE INC.**
375 HAGEY BLVD
WATERLOO ON N2L6R5
GEN

Generator Info

Generator No:	ON3317377	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2014	**Contaminated Fac:**	No
Status:		**MHSW Facility:**	No
PO Box No:		**SIC Code:**	541510

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

Country: Canada
Co Admin: KEVIN Kevin M CURLEY
Phone No Admin: 2013733689 Ext.
SIC Description: COMPUTER SYSTEMS DESIGN AND RELATED SERVICES

Waste Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	8 of 12	WSW/82.4	350.0 / 5.11	AGFA HEALTHCARE INC. 375 HAGEY BLVD WATERLOO ON N2L6R5	GEN

Generator Info

Generator No: ON3317377
Approval Years: As of Dec 2018
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	9 of 12	WSW/82.4	350.0 / 5.11	375 Hagey Blvd Waterloo ON N2L6R5	EHS

Order No: 20170608148
Status: C
Report Type: Standard Select Report
Report Date: 15-JUN-17
Date Received: 08-JUN-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -80.550327
Y: 43.478583

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	10 of 12	WSW/82.4	350.0 / 5.11	AGFA HEALTHCARE INC. 375 HAGEY BLVD WATERLOO ON N2L6R5	GEN

Generator Info

Generator No: ON3317377
Approval Years: As of Jul 2020
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

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

Waste Detail(s)

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	11 of 12	WSW/82.4	350.0 / 5.11	AGFA HEALTHCARE INC. 375 HAGEY BLVD WATERLOO ON N2L6R5	GEN

Generator Info

Generator No:	ON3317377	***Choice of Contact:***	
Approval Years:	As of Jan 2021	***Contaminated Fac:***	
Status:	Registered	***MHSW Facility:***	
PO Box No:		***SIC Code:***	
Country:	Canada		
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

2017 Generator Info

Gen No:	ON3317377	***Choice of Contact:***	CO_OFFICIAL
ID:	13389	***Phone No Official:***	2013709324 Ext.
Contaminated Fac:	N	***Phone No Admin:***	2013733689 Ext.
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	541510	***County Out:***	
NAICS Code2:		***District:***	202
NAICS Code3:			
Gen Name:	AGFA HEALTHCARE INC.		
Gen Div:			
Gen Op Name:	AGFA HEALTHCARE INC.		
Gen Op Div:			
Site Adrs1:	375 HAGEY BLVD		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	WATERLOO		
Province Out:			
Site Postal Code:	N2L6R5		
Site Country:	Canada		
Co Official:	Kevin M Curley		
Co Admin:	KEVIN Kevin M CURLEY		

2018 Generator Info

Gen No:	ON3317377	***Choice of Contact:***	CO_OFFICIAL
ID:	13235	***Phone No Official:***	2013709324 Ext.
Contaminated Fac:	N	***Phone No Admin:***	2013733689 Ext.
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	541510	***County Out:***	
NAICS Code2:		***District:***	202
NAICS Code3:			
Gen Name:	AGFA HEALTHCARE INC.		

Gen Div:	
Gen Op Name:	AGFA HEALTHCARE INC.
Gen Op Div:	
Site Adrs1:	375 HAGEY BLVD
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	WATERLOO
Province Out:	
Site Postal Code:	N2L6R5
Site Country:	Canada
Co Official:	Kevin M Curley
Co Admin:	KEVIN Kevin M CURLEY

2019 Generator Info

Gen No:	ON3317377	**Choice of Contact:**	CO_OFFICIAL
ID:	13001	**Phone No Official:**	5195002432 Ext.
Contaminated Fac:	N	**Phone No Admin:**	
MHSW Facility:	N	**County Ont:**	WATERLOO (R. M.)
NAICS Code1:	541510	**County Out:**	
NAICS Code2:		**District:**	202
NAICS Code3:			

Gen Name:	AGFA HEALTHCARE INC.
Gen Div:	
Gen Op Name:	AGFA HEALTHCARE INC.
Gen Op Div:	
Site Adrs1:	375 HAGEY BLVD
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	WATERLOO
Province Out:	
Site Postal Code:	N2L6R5
Site Country:	Canada
Co Official:	Jennifer L Rodriguez
Co Admin:	

2020 Generator Info

Gen No:	ON3317377	**Choice of Contact:**	CO_OFFICIAL
ID:	12671	**Phone No Official:**	5195002432 Ext.
Contaminated Fac:	N	**Phone No Admin:**	
MHSW Facility:	N	**County Ont:**	WATERLOO (R. M.)
NAICS Code1:	541510	**County Out:**	
NAICS Code2:		**District:**	202
NAICS Code3:			

Gen Name:	AGFA HEALTHCARE INC.
Gen Div:	
Gen Op Name:	AGFA HEALTHCARE INC.
Gen Op Div:	
Site Adrs1:	375 HAGEY BLVD
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	WATERLOO
Province Out:	
Site Postal Code:	N2L6R5
Site Country:	Canada
Co Official:	Jennifer L Rodriguez
Co Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	12 of 12	WSW/82.4	350.0 / 5.11	375 Hagey Boulevard Waterloo ON N2L 6R6	EHS

Order No:	22082403318	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Select Report	**Client Prov/State:**	ON
Report Date:	29-AUG-22	**Search Radius (km):**	.25
Date Received:	24-AUG-22	**X:**	-80.5502675
Previous Site Name:		**Y:**	43.4791549
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	ENE/92.1	343.3 / -1.61	420 WES GRAHAM WAY Waterloo ON	WWIS

Well ID:	7281422	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	02/21/2017
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z247093	**Contractor:**	2644
Tag:	A216958	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7281422.pdf

Additional Detail(s) (Map)

Well Completed Date:	02/06/2017
Year Completed:	2017
Depth (m):	160.02
Latitude:	43.4804749099896
Longitude:	-80.5461381355935
X:	-80.54613798817508
Y:	43.480474909452724
Path:	728\7281422.pdf

Bore Hole Information

Bore Hole ID:	1006355505	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536704.00
Code OB Desc:		**North83:**	4814273.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	02/06/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1006591220
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591223
Layer:	4
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	28
Material 3 Desc:	SAND
Formation Top Depth:	120.0
Formation End Depth:	147.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591228
Layer:	9
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	265.0
Formation End Depth:	525.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591222

Layer:	3
Color:	2
General Color:	GREY
Material 1:	30
Material 1 Desc:	MEDIUM GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	08
Material 3 Desc:	FINE SAND
Formation Top Depth:	79.0
Formation End Depth:	120.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591224
Layer:	5
Color:	2
General Color:	GREY
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	147.0
Formation End Depth:	193.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591227
Layer:	8
Color:	2
General Color:	GREY
Material 1:	17
Material 1 Desc:	SHALE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	230.0
Formation End Depth:	265.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591225
Layer:	6
Color:	6
General Color:	BROWN
Material 1:	17
Material 1 Desc:	SHALE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	193.0
Formation End Depth:	220.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591226
Layer:	7
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	220.0
Formation End Depth:	230.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006591221
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	79.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006591265
Layer:	1
Plug From:	0.0
Plug To:	227.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006591264
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006591218
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006591235
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	227.0
Depth To:	525.0
Casing Diameter:	6.125
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006591234
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2.0
Depth To:	227.0
Casing Diameter:	7.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006591236
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1006591219
Pump Set At:	172.0
Static Level:	63.0
Final Level After Pumping:	112.69999694824219
Recommended Pump Depth:	
Pumping Rate:	400.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1006591239
Test Type:	Draw Down
Test Duration:	2
Test Level:	111.0999984741211
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 1006591240
Test Type: Recovery
Test Duration: 2
Test Level: 68.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591250
Test Type: Recovery
Test Duration: 15
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591256
Test Type: Recovery
Test Duration: 30
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591258
Test Type: Recovery
Test Duration: 40
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591261
Test Type: Draw Down
Test Duration: 60
Test Level: 112.69999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591243
Test Type: Draw Down
Test Duration: 4
Test Level: 111.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591260
Test Type: Recovery
Test Duration: 50
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591241
Test Type: Draw Down

Test Duration: 3
Test Level: 111.30000305175781
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591247
Test Type: Draw Down
Test Duration: 10
Test Level: 112.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591254
Test Type: Recovery
Test Duration: 25
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591242
Test Type: Recovery
Test Duration: 3
Test Level: 67.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591248
Test Type: Recovery
Test Duration: 10
Test Level: 67.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591244
Test Type: Recovery
Test Duration: 4
Test Level: 67.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591245
Test Type: Draw Down
Test Duration: 5
Test Level: 111.5999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591249
Test Type: Draw Down
Test Duration: 15
Test Level: 112.19999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591252
Test Type: Recovery
Test Duration: 20
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591259
Test Type: Draw Down
Test Duration: 50
Test Level: 112.69999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591246
Test Type: Recovery
Test Duration: 5
Test Level: 67.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591253
Test Type: Draw Down
Test Duration: 25
Test Level: 112.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591257
Test Type: Draw Down
Test Duration: 40
Test Level: 112.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591237
Test Type: Draw Down
Test Duration: 1
Test Level: 110.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591251
Test Type: Draw Down
Test Duration: 20
Test Level: 112.4000015258789
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591262

Test Type: Recovery
Test Duration: 60
Test Level: 63.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591238
Test Type: Recovery
Test Duration: 1
Test Level: 69.69999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006591255
Test Type: Draw Down
Test Duration: 30
Test Level: 112.5999984741211
Test Level UOM: ft

Water Details

Water ID: 1006591233
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 503.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006591231
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 229.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006591232
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 400.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006591230
Diameter: 6.125
Depth From: 227.0
Depth To: 525.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1006591229

Diameter:	9.875
Depth From:	0.0
Depth To:	227.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

9 **1 of 1** **ENE/99.2** **343.7 / -1.13** **420 WES GRAHAM WAY Waterloo ON** **WWIS**

Well ID:	7287710	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	06/05/2017
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z255258	**Contractor:**	7190
Tag:	A156790	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7287710.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/17/2017
Year Completed:	2017
Depth (m):	
Latitude:	43.480826607672
Longitude:	-80.5462715236077
X:	-80.54627137534439
Y:	43.480826607328524
Path:	728\7287710.pdf

Bore Hole Information

Bore Hole ID:	1006499104	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536693.00
Code OB Desc:		**North83:**	4814312.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	04/17/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006701775
Layer:	
Color:	
General Color:	
Material 1:	
Material 1 Desc:	
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006701780
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006701774
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006701778
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	
Casing Diameter:	0.75
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006701779
Layer:	1
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	0.75

Water Details

Water ID:	1006701777
Layer:	1
Kind Code:	
Kind:	

Water Found Depth: 10.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006701776
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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10 | **1 of 1** | **WSW/120.0** | **349.8 / 4.98** | **375 Hagey Boulevard Waterloo ON N2L 6R6** | **EHS**

Order No: 24070800423
Status: C
Report Type: Custom Report
Report Date: 11-JUL-24
Date Received: 08-JUL-24
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -80.55036803
Y: 43.47857504

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11 | **1 of 1** | **SE/122.8** | **342.5 / -2.40** | **ON** | **BORE**

Borehole ID: 700638
OGF ID: 215561548
Status: Unknown
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 1993
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 21.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m:
Elev Reliabil Note:
DEM Ground Elev m: 343
Concession:
Location D: University of Waterloo North Campus, east of Columbia Lake, Waterloo. Borehole UW54-74. Borehole UW54-74 is beside Borehole UW53-74.
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name: UW54-74
Municipality:
Lot:
Township: WATERLOO CITY (WATERLOO TWP)
Latitude DD: 43.478651
Longitude DD: -80.547215
UTM Zone: 17
Easting: 536618
Northing: 4814070
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218342550
Top Depth: 19.5
Bottom Depth: 20.4
Material Color:
Material 1: Till
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: Silt till **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID:	218342551	**Mat Consistency:**	
Top Depth:	20.4	**Material Moisture:**	
Bottom Depth:	21.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand and gravel **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218342549	**Mat Consistency:**	
Top Depth:	18.6	**Material Moisture:**	
Bottom Depth:	19.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Sandy silt till (Catfish Creek Till?); Sample UW54-74-A at 18.9 m and Sample UW54-74-B at 19.5 m **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Borehole Sample

Sample ID:	220421137	**Sample Date:**	19650101
Sample Mat Type:	Sediment	**Top Depth:**	18.6
Sample Purpose:	Geological logging	**Bottom Depth:**	19.5
Sample Description:	Sample UW54-74-A for analyses of grain size, texture, carbonate content, pebble lithologies and heavy minerals. Sandy silt till (Catfish Creek Till?); Sample UW54-74-A at 18.9 m.		

Sample ID:	220421138	**Sample Date:**	19650101
Sample Mat Type:	Sediment	**Top Depth:**	18.6
Sample Purpose:	Geological logging	**Bottom Depth:**	19.5
Sample Description:	Sample UW54-74-B for analyses of grain size, texture, carbonate content, pebble lithologies and heavy minerals. Sandy silt till (Catfish Creek Till?); Sample UW54-74-B at 19.5 m.		

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12 ***1 of 1*** ***SE/132.1*** ***342.5 / -2.40*** ***ON*** ***BORE***

Borehole ID:	700637	**Inclin FLG:**	No
OGF ID:	215561547	**SP Status:**	Initial Entry
Status:	Unknown	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	UW53-74
Completion Date:	1993	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	WATERLOO CITY (WATERLOO TWP)
Sec. Water Use:		**Latitude DD:**	43.478624
Total Depth m:	18.9	**Longitude DD:**	-80.54703
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	536633
Drill Method:		**Northing:**	4814067
Orig Ground Elev m:		**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	343		
Concession:			
Location D:	University of Waterloo North Campus, east of Columbia Lake, Waterloo. Borehole UW53-74.		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218342547	**Mat Consistency:**	
Top Depth:	18	**Material Moisture:**	
Bottom Depth:	18.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218342543	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Sand **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218342546	**Mat Consistency:**	
Top Depth:	12.6	**Material Moisture:**	
Bottom Depth:	18	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Olive sandy silt till (Catfish Creek Till); Sample UW53-74-B at 15.3 m **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218342548	**Mat Consistency:**	
Top Depth:	18.6	**Material Moisture:**	
Bottom Depth:	18.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	Stony silt till **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218342544	**Mat Consistency:**	
Top Depth:	6.6	**Material Moisture:**	
Bottom Depth:	11.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Laminated clay and silt **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218342545	**Mat Consistency:**	
Top Depth:	11.1	**Material Moisture:**	
Bottom Depth:	12.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	Quaternary
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: Clay till (Maryhill Till); Sample UW53-74-A at 12.3 m **Note: Many records provided by the department have a truncated [Stratum Description] field.

Borehole Sample

Sample ID:	220421135	***Sample Date:***	19650101
Sample Mat Type:	Sediment	***Top Depth:***	11.1
Sample Purpose:	Geological logging	***Bottom Depth:***	12.6
Sample Description:	Sample UW53-74-A for analyses of grain size, texture, carbonate content, pebble lithologies and heavy minerals. Clay till (Maryhill Till); Sample UW53-74-A at 12.3 m.		

Sample ID:	220421136	***Sample Date:***	19650101
Sample Mat Type:	Sediment	***Top Depth:***	12.6
Sample Purpose:	Geological logging	***Bottom Depth:***	18
Sample Description:	Sample UW53-74-B for analyses of grain size, texture, carbonate content, pebble lithologies and heavy minerals. Olive sandy silt till (Catfish Creek Till); Sample UW53-74-B at 15.3 m.		

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13 ***1 of 1*** ***E/137.0*** ***342.9 / -1.98*** ***420 WES GRAHAM WAY Waterloo ON*** ***WWIS***

Well ID:	7289426	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Commerical	***Data Entry Status:***	
Use 2nd:	Other	***Data Src:***	
Final Well Status:	Recharge Well	***Date Received:***	06/30/2017
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z247103	***Contractor:***	2644
Tag:	A216959	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	WATERLOO
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7289426.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/12/2017
Year Completed:	2017
Depth (m):	160.02
Latitude:	43.4803370987003
Longitude:	-80.5454467037664
X:	-80.5454465560302
Y:	43.48033709838863
Path:	728\7289426.pdf

Bore Hole Information

Bore Hole ID:	1006593942	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	536760.00
Code OB Desc:		***North83:***	4814258.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4

Date Completed: 06/12/2017
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006632454
Layer: 9
Color: 6
General Color: BROWN
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 450.0
Formation End Depth: 525.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006632446
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006632451
Layer: 6
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 180.0
Formation End Depth: 185.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	1006632447
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	05
Material 2 Desc:	CLAY
Material 3:	12
Material 3 Desc:	STONES
Formation Top Depth:	28.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632452
Layer:	7
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	17
Material 2 Desc:	SHALE
Material 3:	74
Material 3 Desc:	LAYERED
Formation Top Depth:	185.0
Formation End Depth:	260.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632448
Layer:	3
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	84
Material 3 Desc:	SILTY
Formation Top Depth:	75.0
Formation End Depth:	84.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632453
Layer:	8
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	

Formation Top Depth:	260.0
Formation End Depth:	450.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632450
Layer:	5
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	164.0
Formation End Depth:	180.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006632449
Layer:	4
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	06
Material 3 Desc:	SILT
Formation Top Depth:	84.0
Formation End Depth:	164.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006632466
Layer:	1
Plug From:	0.0
Plug To:	218.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006632465
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006632444
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006632460
Layer:	1
Material:	8
Open Hole or Material:	STAINLESS STEEL
Depth From:	-2.0
Depth To:	218.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006632461
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	218.0
Depth To:	525.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006632462
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1006632445
Pump Set At:	
Static Level:	68.0
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	1006632457
Layer:	1
Kind Code:	1
Kind:	FRESH

Water Found Depth: 385.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006632459
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 505.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006632458
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 461.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006632456
Diameter: 6.0
Depth From: 218.0
Depth To: 525.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1006632455
Diameter: 8.75
Depth From: 0.0
Depth To: 218.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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14 | ***1 of 1*** | ***ENE/143.0*** | ***343.5 / -1.33*** | ***420 WEST GRAHAM WAY Waterloo ON*** | ***WWIS***

Well ID:	7287709	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Abandoned-Other	***Date Received:***	06/05/2017
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	Yes
Audit No:	Z255257	***Contractor:***	7190
Tag:	A156790	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	WATERLOO
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7287709.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/17/2017
Year Completed: 2017
Depth (m):
Latitude: 43.4807610261091
Longitude: -80.5456290081399
X: -80.545628860038
Y: 43.480761024886775
Path: 728\7287709.pdf

Bore Hole Information

Bore Hole ID: 1006499101
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/17/2017
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 536745.00
North83: 4814305.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006701768
Layer:
Color:
General Color:
Material 1:
Material 1 Desc:
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth:
Formation End Depth:
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006701773
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006701767
Casing No: 0

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

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006701771
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006701772
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006701770
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006701769
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

15	*1 of 2*	*W/144.6*	*351.8 / 6.98*	***Sybase Inc.*** ***445 Wes Graham Way*** ***Waterloo ON N2L 6R2***	***SCT***

Established: 01-NOV-74
Plant Size (ft²):
Employment:

--Details--
Description: Computer Systems Design and Related Services
SIC/NAICS Code: 541510

15	*2 of 2*	*W/144.6*	*351.8 / 6.98*	***445 Wes Graham Way*** ***Waterloo ON N2L6R2***	***EHS***

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

Order No:	20130809001	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	15-AUG-13	**Search Radius (km):**	.25
Date Received:	09-AUG-13	**X:**	-80.551003
Previous Site Name:		**Y:**	43.480218
Lot/Building Size:			
Additional Info Ordered:			

---

16 | **1 of 9** | **SSE/168.6** | **344.1 / -0.75** | **300 Hagey Blvd**
Waterloo ON N2L 0A4 | **EHS**

Order No:	20091208018	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	12/16/2009	**Search Radius (km):**	0.25
Date Received:	12/8/2009	**X:**	-80.547503
Previous Site Name:		**Y:**	43.477976
Lot/Building Size:			
Additional Info Ordered:			

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16 | **2 of 9** | **SSE/168.6** | **344.1 / -0.75** | **Research In Motion Limited**
300 Hagey Blvd
Waterloo ON | **GEN**

Generator Info

Generator No:	ON2892036	**Choice of Contact:**	
Approval Years:	2013	**Contaminated Fac:**	
Status:		**MHSW Facility:**	
PO Box No:		**SIC Code:**	517910
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	OTHER TELECOMMUNICATIONS		

Waste Detail(s)

Waste Class:	312
Waste Class Name:	PATHOLOGICAL WASTES

---

16 | **3 of 9** | **SSE/168.6** | **344.1 / -0.75** | **Research In Motion Limited**
300 Hagey Blvd
Waterloo ON N2L 0A4 | **GEN**

Generator Info

Generator No:	ON2892036	**Choice of Contact:**	
Approval Years:	2010	**Contaminated Fac:**	
Status:		**MHSW Facility:**	
PO Box No:		**SIC Code:**	517910
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Other Telecommunications		

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

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

---

16 | ***4 of 9*** | ***SSE/168.6*** | ***344.1 / -0.75*** | ***Research In Motion Limited*** ***300 Hagey Blvd*** ***Waterloo ON N2L 0A4*** | ***GEN***

Generator Info

Generator No: ON2892036
Approval Years: 2011
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: Other Telecommunications

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 517910

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

---

16 | ***5 of 9*** | ***SSE/168.6*** | ***344.1 / -0.75*** | ***Research In Motion Limited*** ***300 Hagey Blvd*** ***Waterloo ON N2L 0A4*** | ***GEN***

Generator Info

Generator No: ON2892036
Approval Years: 2012
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: Other Telecommunications

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 517910

Waste Detail(s)

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

---

16 | ***6 of 9*** | ***SSE/168.6*** | ***344.1 / -0.75*** | ***Stantec Consulting Ltd.*** ***100-300 Hagey Blvd.*** ***Waterloo ON N2L 0A4*** | ***GEN***

Generator Info

Generator No: ON9766163
Approval Years: 2016
Status:
PO Box No:

Choice of Contact: CO_OFFICIAL
Contaminated Fac: No
MHSW Facility: No
SIC Code: 541620, 541619

Country: Canada
Co Admin:
Phone No Admin:
SIC Description: ENVIRONMENTAL CONSULTING SERVICES, OTHER MANAGEMENT CONSULTING SERVICES

Waste Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Detail(s)

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

---

16 | **7 of 9** | **SSE/168.6** | **344.1 / -0.75** | **Stantec Consulting Ltd.**
100-300 Hagey Blvd.
Waterloo ON N2L 0A4 | **GEN**

Generator Info

Generator No: ON9766163
Approval Years: As of Dec 2018
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 114 L
Waste Class Name: Other inorganic acid wastes

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 148 I
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

Waste Detail(s)

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

---

16 | **8 of 9** | **SSE/168.6** | **344.1 / -0.75** | **300 Hagey Blvd**
Waterloo ON N2L0A4 | **EHS**

Order No: 20170608147
Status: C
Report Type: Standard Select Report
Report Date: 15-JUN-17
Date Received: 08-JUN-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -80.547466
Y: 43.478362

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16 | **9 of 9** | **SSE/168.6** | **344.1 / -0.75** | **Stantec Consulting Ltd.**
100-300 Hagey Blvd.
Waterloo ON N2L 0A4 | **GEN**

Generator Info

Generator No: ON9766163
Approval Years: As of Jul 2020
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 148 I
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 145 I
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Detail(s)

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

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

Waste Detail(s)

Waste Class: 114 L
Waste Class Name: Other inorganic acid wastes

Waste Detail(s)

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

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17 | ***1 of 1*** | ***SSE/183.0*** | ***343.2 / -1.67*** | ***Stantec Consulting Ltd.***
100-300 Hagey Blvd.
Waterloo ON N2L 0A4 | ***GEN***

Generator Info

Generator No:	ON9766163	***Choice of Contact:***	
Approval Years:	As of Nov 2021	***Contaminated Fac:***	
Status:	Registered	***MHSW Facility:***	
PO Box No:		***SIC Code:***	
Country:	Canada		
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

Waste Class: 148 I
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Detail(s)

Waste Class: 114 L
Waste Class Name: Other inorganic acid wastes

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 145 I
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

2017 Generator Info

Gen No:	ON9766163	***Choice of Contact:***	CO_OFFICIAL
ID:	38141	***Phone No Official:***	519-585-7322 Ext.
Contaminated Fac:	N	***Phone No Admin:***	
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	541620	***County Out:***	
NAICS Code2:	541619	***District:***	202
NAICS Code3:			
Gen Name:	Stantec Consulting Ltd.		
Gen Div:			
Gen Op Name:	Stantec Consultign Ltd.		
Gen Op Div:			
Site Adrs1:	100-300 Hagey Blvd.		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A4		
Site Country:	Canada		
Co Official:	Kimberley F Voelzing		
Co Admin:			

2018 Generator Info

Gen No:	ON9766163	***Choice of Contact:***	CO_OFFICIAL
ID:	38923	***Phone No Official:***	519-585-7322 Ext.
Contaminated Fac:	N	***Phone No Admin:***	
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	541620	***County Out:***	
NAICS Code2:	541619	***District:***	202
NAICS Code3:			
Gen Name:	Stantec Consulting Ltd.		
Gen Div:			
Gen Op Name:	Stantec Consultign Ltd.		
Gen Op Div:			
Site Adrs1:	100-300 Hagey Blvd.		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A4		
Site Country:	Canada		
Co Official:	Kimberley F Voelzing		
Co Admin:			

2018 Generator Manifest

ID:	67705	***Sum Received Qty:***	40.0
Generator No:	ON9766163	***Waste Class Name:***	INORGANIC LABORATORY CHEMICALS
Receiver Type:	035	***Count Manifests:***	2
Waste Char:	C	***District:***	201
Waste Code:	148		

2018 Generator Manifest

ID:	67706	***Sum Received Qty:***	20.0
Generator No:	ON9766163	***Waste Class Name:***	WASTE COMPRESSED GASES
Receiver Type:	035	***Count Manifests:***	1
Waste Char:	I	***District:***	201

Waste Code: 331

2019 Generator Info

Gen No:	ON9766163	***Choice of Contact:***	CO_OFFICIAL
ID:	39492	***Phone No Official:***	519-585-7322 Ext.
Contaminated Fac:	N	***Phone No Admin:***	
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	541620	***County Out:***	
NAICS Code2:	541619	***District:***	202
NAICS Code3:	541330		
Gen Name:	Stantec Consulting Ltd.		
Gen Div:			
Gen Op Name:	Stantec Consultign Ltd.		
Gen Op Div:			
Site Adrs1:	100-300 Hagey Blvd.		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A4		
Site Country:	Canada		
Co Official:	Kimberley F Voelzing		
Co Admin:			

2019 Generator Manifest

ID:	67682	***Sum Received Qty:***	50.0
Generator No:	ON9766163	***Waste Class Name:***	INORGANIC LABORATORY CHEMICALS
Receiver Type:	035	***Count Manifests:***	2
Waste Char:	C	***District:***	201
Waste Code:	148		

2019 Generator Manifest

ID:	67684	***Sum Received Qty:***	25.0
Generator No:	ON9766163	***Waste Class Name:***	WASTE COMPRESSED GASES
Receiver Type:	035	***Count Manifests:***	2
Waste Char:	I	***District:***	201
Waste Code:	331		

2019 Generator Manifest

ID:	67681	***Sum Received Qty:***	200.0
Generator No:	ON9766163	***Waste Class Name:***	PAINT/PIGMENT/COATING RESIDUES
Receiver Type:	035	***Count Manifests:***	1
Waste Char:	I	***District:***	201
Waste Code:	145		

2019 Generator Manifest

ID:	67683	***Sum Received Qty:***	5.0
Generator No:	ON9766163	***Waste Class Name:***	ORGANIC LABORATORY CHEMICALS
Receiver Type:	035	***Count Manifests:***	1
Waste Char:	I	***District:***	201
Waste Code:	263		

2020 Generator Info

Gen No:	ON9766163	**Choice of Contact:**	CO_OFFICIAL
ID:	39244	**Phone No Official:**	519-585-7322 Ext.
Contaminated Fac:	N	**Phone No Admin:**	
MHSW Facility:	N	**County Ont:**	WATERLOO (R. M.)
NAICS Code1:	541620	**County Out:**	
NAICS Code2:	541619	**District:**	202
NAICS Code3:	541330		
Gen Name:	Stantec Consulting Ltd.		
Gen Div:			
Gen Op Name:	Stantec Consultign Ltd.		
Gen Op Div:			
Site Adrs1:	100-300 Hagey Blvd.		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A4		
Site Country:	Canada		
Co Official:	Kimberley F Voelzing		
Co Admin:			

2021 Generator Info

Gen No:	ON9766163	**Choice of Contact:**	CO_OFFICIAL
ID:	40311	**Phone No Official:**	519-585-7322 Ext.
Contaminated Fac:	N	**Phone No Admin:**	
MHSW Facility:	N	**County Ont:**	WATERLOO (R. M.)
NAICS Code1:	541620	**County Out:**	
NAICS Code2:	541619	**District:**	202
NAICS Code3:	541330		
Gen Name:	Stantec Consulting Ltd.		
Gen Div:			
Gen Op Name:	Stantec Consultign Ltd.		
Gen Op Div:			
Site Adrs1:	100-300 Hagey Blvd.		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A4		
Site Country:	Canada		
Co Official:	Kimberley F Voelzing		
Co Admin:			

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18 | ***1 of 3*** | ***SSW/202.5*** | ***344.8 / -0.02*** | ***Miovision Technologies***
295 Hagey Blvd
Waterloo ON N2L 6R5 | ***SCT***

Established:	2005
Plant Size (ft²):	
Employment:	

--Details--

Description:	Computer and Peripheral Equipment Manufacturing
SIC/NAICS Code:	334110
Description:	Software Publishers
SIC/NAICS Code:	511210

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	2 of 3	SSW/202.5	344.8 / -0.02	Navtech Systems Support Inc. 295 Hagey Blvd Suite 200 Waterloo ON N2L 6R5	SCT

Established: 01-JAN-87
Plant Size (ft²):
Employment:

--Details--
Description: Computer Systems Design and Related Services
SIC/NAICS Code: 541510

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	3 of 3	SSW/202.5	344.8 / -0.02	295 Hagey Blvd Waterloo ON N2L6R5	EHS

Order No: 20160719018
Status: C
Report Type: Standard Report
Report Date: 22-JUL-16
Date Received: 19-JUL-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -80.549117
Y: 43.477366

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	ESE/218.2	339.8 / -5.06	ON	BORE

Borehole ID: 681510
OGF ID: 215558506
Status:
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: JUN-1969
Static Water Level: 0.6
Primary Water Use:
Sec. Water Use:
Total Depth m: 4.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Power auger
Orig Ground Elev m: 343
Elev Reliabil Note:
DEM Ground Elev m: 339
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 43.478831
Longitude DD: -80.544827
UTM Zone: 17
Easting: 536811
Northing: 4814091
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218554201
Top Depth: 0
Bottom Depth: .6
Material Color:
Material 1: Unknown
Material 2:
Material 3:
Material 4:
Gsc Material Description:

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

Stratum Description: (No description) **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218554202	***Mat Consistency:***	Dense
Top Depth:	.6	***Material Moisture:***	
Bottom Depth:	4.9	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Silt	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	LIGHT, BROWN, DENSE.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	4
Source Date:	1900 - 1977	***Scale or Res:***	Varies
Confidence:	H	***Horizontal:***	NAD27
Observatio:	1969/6	***Verticalda:***	Mean Average Sea Level
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Details:	1669		
Confiden 1:			

Source List

Source Identifier:	4	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1900 - 1977	***Projection Name:***	Universal Traverse Mercator
Scale or Resolution:	Varies		
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Originators:	Geological Survey of Canada		

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20 ***1 of 1*** ***E/225.6*** ***343.9 / -0.99*** ***ON*** ***BORE***

Borehole ID:	680213	***Inclin FLG:***	No
OGF ID:	215557209	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	AUG-1963	***Municipality:***	
Static Water Level:	5.5	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	43.48036
Total Depth m:	7.6	***Longitude DD:***	-80.544321
Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	536851
Drill Method:	Power auger	***Northing:***	4814261
Orig Ground Elev m:	343	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	342		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218549647	***Mat Consistency:***	Dense
Top Depth:	3.7	***Material Moisture:***	
Bottom Depth:	7.6	***Material Texture:***	Medium

Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BROWN, VERY DENSE.		

Geology Stratum ID:	218549646	**Mat Consistency:**	Dense
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	3.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BROWN, VERY DENSE.		

Geology Stratum ID:	218549644	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	(No description) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218549645	**Mat Consistency:**	Dense
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	Coarse
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BROWN, VERY DENSE.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	4
Source Date:	1900 - 1977	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:	1963/8	**Verticalda:**	Mean Average Sea Level
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Details:	171		
Confiden 1:			

Source List

Source Identifier:	4	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1900 - 1977	**Projection Name:**	Universal Traverse Mercator
Scale or Resolution:	Varies		
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Originators:	Geological Survey of Canada		

21	*1 of 1*	*SE/229.7*	*338.8 / -6.02*	***200 COLUMBIA ST W Waterloo ON***	***WWIS***

Well ID:	7286591	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	05/15/2017
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z253917	**Contractor:**	7238
Tag:	A222243	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1006444959	**Tag No:**	A222243
Depth M:	9.144	**Contractor:**	7238
Year Completed:	2017	**Latitude:**	43.4781141303374
Well Completed Dt:	04/27/2017	**Longitude:**	-80.5457230325519
Audit No:	Z253917	**Y:**	43.478114129142796
Path:		**X:**	-80.54572288511179

Bore Hole Information

Bore Hole ID:	1006444959	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536739.00
Code OB Desc:		**North83:**	4814011.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	04/27/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006682079
Layer:	1
Color:	
General Color:	
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	

Formation Top Depth: 0.0
Formation End Depth: 0.33000001311302185
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006682080
Layer: 2
Color:
General Color:
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 05
Material 3 Desc: CLAY
Formation Top Depth: 0.33000001311302185
Formation End Depth: 30.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006682092
Layer: 4
Plug From: 20.0
Plug To: 24.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006682093
Layer: 5
Plug From: 24.0
Plug To: 30.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006682091
Layer: 3
Plug From: 14.0
Plug To: 20.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006682089
Layer: 1
Plug From: 0.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006682090

Layer: 2
Plug From: 10.0
Plug To: 14.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006682088
Method Construction Code: F
Method Construction: H.S.A.
Other Method Construction:

Pipe Information

Pipe ID: 1006682078
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006682083
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 21.0
Casing Diameter: 1.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1006682084
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 11.0
Casing Diameter: 1.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006682085
Layer: 1
Slot: .10
Screen Top Depth: 21.0
Screen End Depth: 23.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.5

Construction Record - Screen

Screen ID: 1006682086
Layer: 2
Slot: .10

Screen Top Depth:	11.0
Screen End Depth:	13.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.5

Water Details

Water ID:	1006682082
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	10.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006682081
Diameter:	8.0
Depth From:	0.0
Depth To:	30.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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22 ***1 of 1*** ***ESE/238.3*** ***338.8 / -6.02*** ***ON*** ***BORE***

Borehole ID:	681535	**Inclin FLG:**	No
OGF ID:	215558531	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	JUN-1969	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	43.478203
Total Depth m:	5	**Longitude DD:**	-80.545327
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	536771
Drill Method:	Power auger	**Northing:**	4814021
Orig Ground Elev m:	343	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	339		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218554286	**Mat Consistency:**	Dense
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIGHT, BROWN, DENSE.		

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

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	4
Source Date:	1900 - 1977	***Scale or Res:***	Varies
Confidence:	H	***Horizontal:***	NAD27
Observatio:	1969/6	***Verticalda:***	Mean Average Sea Level
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Details:	1694		
Confiden 1:			

Source List

Source Identifier:	4	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1900 - 1977	***Projection Name:***	Universal Traverse Mercator
Scale or Resolution:	Varies		
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	1 of 19	E/250.5	344.1 / -0.72	***Valley Blades Limited*** ***435 Phillip St*** ***Waterloo ON N2L 3X2***	***SCT***

Established:	01-JAN-62
Plant Size (ft²):	55000
Employment:	

--Details--

Description:	Construction Machinery Manufacturing
SIC/NAICS Code:	333120
Description:	Construction Machinery Manufacturing
SIC/NAICS Code:	333120
Description:	Cutlery and Hand Tool Manufacturing
SIC/NAICS Code:	332210

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	2 of 19	E/250.5	344.1 / -0.72	***VALLEY BLADES LIMITED*** ***435 PHILLIP STREET*** ***WATERLOO ON N2J 3Z9***	***GEN***

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	97,98,99,00,01	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	3049
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	OTHER STAMPED METAL		

Waste Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	3 of 19	E/250.5	344.1 / -0.72	VALLEY BLADES LIMITED 435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	GEN

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	02,03,04,05,06,07,08	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

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

Waste Detail(s)

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

Waste Detail(s)

Waste Class:	253
Waste Class Name:	EMULSIFIED OILS

Waste Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	4 of 19	E/250.5	344.1 / -0.72	435 Phillip St Waterloo ON N2L 3X2	EHS

Order No:	20040206011	***Nearest Intersection:***	Phillip St./Albert St.
Status:	C	***Municipality:***	Regional Municipality of Waterloo
Report Type:	Complete Report	***Client Prov/State:***	ON
Report Date:	2/17/04	***Search Radius (km):***	0.35
Date Received:	2/6/04	***X:***	-80.543632
Previous Site Name:		***Y:***	43.481052
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	5 of 19	E/250.5	344.1 / -0.72	435 Phillip Street Waterloo ON N2L 3X2	EHS

Order No:	20100601029	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Select Report	***Client Prov/State:***	ON
Report Date:	6/10/2010	***Search Radius (km):***	0.25
Date Received:	6/1/2010	***X:***	-80.543044
Previous Site Name:		***Y:***	43.480622
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	6 of 19	E/250.5	344.1 / -0.72	VALLEY BLADES LIMITED 435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	GEN

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	2009	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	333990
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	All Other General-Purpose Machinery Manufacturing		

Waste Detail(s)

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

Waste Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	7 of 19	E/250.5	344.1 / -0.72	VALLEY BLADES LIMITED 435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	GEN

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	2010	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	333990
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	All Other General-Purpose Machinery Manufacturing		

Waste Detail(s)

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

Waste Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	8 of 19	E/250.5	344.1 / -0.72	VALLEY BLADES LIMITED 435 PHILLIP STREET, BOX 126 WATERLOO ON N2L 3X2	GEN

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	2011	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	333990
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	All Other General-Purpose Machinery Manufacturing		

Waste Detail(s)

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

Waste Detail(s)

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

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23 | ***9 of 19*** | ***E/250.5*** | ***344.1 / -0.72*** | ***VALLEY BLADES LIMITED***
435 PHILLIP STREET, BOX 126
WATERLOO ON N2L 3X2 | ***GEN***

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	2012	***Contaminated Fac:***	
Status:		***MHSW Facility:***	
PO Box No:		***SIC Code:***	333990
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	All Other General-Purpose Machinery Manufacturing		

Waste Detail(s)

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

Waste Detail(s)

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

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23 | ***10 of 19*** | ***E/250.5*** | ***344.1 / -0.72*** | ***VALLEY BLADES LIMITED***
435 PHILLIP STREET, BOX 126
WATERLOO ON | ***GEN***

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	
Approval Years:	2013	***Contaminated Fac:***	
Status:		***MHSW Facility:***	

PO Box No:		***SIC Code:***	333990
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING		

Waste Detail(s)

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

Waste Detail(s)

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

23	***11 of 19***	***E/250.5***	***344.1 / -0.72***	***VALLEY BLADES LIMITED*** ***435 PHILLIP STREET, BOX 126*** ***WATERLOO ON N2J 3Z9***	***GEN***

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2016	***Contaminated Fac:***	No
Status:		***MHSW Facility:***	No
PO Box No:		***SIC Code:***	333990
Country:	Canada		
Co Admin:	Richard A May		
Phone No Admin:	519-885-5500 Ext.115		
SIC Description:	ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING		

Waste Detail(s)

Waste Class:	253
Waste Class Name:	EMULSIFIED OILS

Waste Detail(s)

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

Waste Detail(s)

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

23	***12 of 19***	***E/250.5***	***344.1 / -0.72***	***VALLEY BLADES LIMITED*** ***435 PHILLIP STREET, BOX 126*** ***WATERLOO ON N2J 3Z9***	***GEN***

Generator Info

Generator No:	ON2288100	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2015	***Contaminated Fac:***	No
Status:		***MHSW Facility:***	No
PO Box No:		***SIC Code:***	333990

Country: Canada
Co Admin: Richard A May
Phone No Admin: 519-885-5500 Ext.115
SIC Description: ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING

Waste Detail(s)

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

Waste Detail(s)

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

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23 | **13 of 19** | **E/250.5** | **344.1 / -0.72** | **VALLEY BLADES LIMITED**
435 PHILLIP STREET, BOX 126
WATERLOO ON N2J 3Z9 | **GEN**

Generator Info

Generator No: ON2288100
Approval Years: 2014
Status:
PO Box No:
Country: Canada
Co Admin: Richard A May
Phone No Admin: 519-885-5500 Ext.115
SIC Description: ALL OTHER GENERAL-PURPOSE MACHINERY MANUFACTURING
Choice of Contact: CO_OFFICIAL
Contaminated Fac: No
MHSW Facility: No
SIC Code: 333990

Waste Detail(s)

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

Waste Detail(s)

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

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23 | **14 of 19** | **E/250.5** | **344.1 / -0.72** | **VALLEY BLADES LIMITED**
435 PHILLIP STREET, BOX 126
WATERLOO ON N2J 3Z9 | **GEN**

Generator Info

Generator No: ON2288100
Approval Years: As of Dec 2018
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:
Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 253 L
Waste Class Name: Emulsified oils

Waste Detail(s)

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

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23	15 of 19	E/250.5	344.1 / -0.72	VALLEY BLADES LIMITED 435 PHILLIP STREET, BOX 126 WATERLOO ON N2J 3Z9	GEN

Generator Info

Generator No: ON2288100
Approval Years: As of Jul 2020
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 253 L
Waste Class Name: Emulsified oils

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

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23 | **16 of 19** | **E/250.5** | **344.1 / -0.72** | **VALLEY BLADES LIMITED**
435 PHILLIP STREET, BOX 126
WATERLOO ON N2J 3Z9 | **GEN**

Generator Info

Generator No: ON2288100
Approval Years: As of Nov 2021
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 253 L
Waste Class Name: Emulsified oils

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Waste Detail(s)

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

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23 | **17 of 19** | **E/250.5** | **344.1 / -0.72** | **Valley Blades Limited**
435 Phillip Street Waterloo, ON Canada
ON | **EBR**

EBR Registry No:	019-6672	**Decision Posted:**	December 18, 2023
Ministry Ref No:	1108-CNLNJV	**Exception Posted:**	
Notice Type:	Instrument	**Section:**	Part II.1 (20.3 or 20.5)
Notice Stage:	Decision	**Act 1:**	Environmental Protection Act, R.S.O. 1990
Notice Date:		**Act 2:**	Environmental Protection Act
Proposal Date:	February 16, 2023	**Site Location Map:**	43.480028,-80.543585
Year:	2023		

Instrument Type: Environmental Compliance Approval (air)
Off Instrument Name: Environmental Compliance Approval (air) (EPA s.9)
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address: 435 Phillip Street
Waterloo,
ON
Canada
Location Other:
Proponent Name: Valley Blades Limited
Proponent Address: Valley Blades Limited
435 Phillip Street
Waterloo,
ON
N2L 3X2
Canada
Comment Period: February 16, 2023 - April 2, 2023 (45 days) Closed
URL: https://ero.ontario.ca/notice/019-6672
Summary:

Site Location Details:

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23 | **18 of 19** | **E/250.5** | **344.1 / -0.72** | **Valley Blades Limited**
435 Phillip Street
Waterloo ON N2L 3X2 | **ECA**

Approval No:	2038-CP5KY2	**MOE District:**	Guelph
Approval Date:	December 15, 2023	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	-8966093.689
SWP Area Name:	Grand River	**Geometry Y:**	5385425.572

Approval Type: ECA-AIR
Project Type: AIR
Business Name: Valley Blades Limited
Address: 435 Phillip Street
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1108-CNLNJV-14.pdf
PDF Site Location: 435 Phillip Street, Waterloo, Ontario.

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23 | **19 of 19** | **E/250.5** | **344.1 / -0.72** | **435 Phillip Street lot 12**
Waterloo ON | **WWIS**

Well ID:	7440404	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	02/12/2023
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	3RA956RE	**Contractor:**	7320
Tag:	A368885	**Form Version:**	9
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO

Elevatn Reliabilty:		***Lot:***	012
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	GCT
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

Bore Hole Information

Bore Hole ID:	1009343796	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	536972.00
Code OB Desc:		***North83:***	4814328.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	02/07/2023	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1009344016
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	01
Material 3 Desc:	FILL
Formation Top Depth:	0.0
Formation End Depth:	0.6100000143051147
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1009344017
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.6100000143051147
Formation End Depth:	4.599999904632568
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1009344018
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	4.599999904632568
Formation End Depth:	6.099999904632568
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1009344134
Layer:	1
Plug From:	
Plug To:	
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1009344179
Layer:	2
Plug From:	0.15000000596046448
Plug To:	2.740000009536743
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1009344180
Layer:	3
Plug From:	2.740000009536743
Plug To:	6.099999904632568
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1009344178
Layer:	1
Plug From:	0.0
Plug To:	0.15000000596046448
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1009343890
Method Construction Code:	E
Method Construction:	Auger
Other Method Construction:	

Pipe Information

Pipe ID:	1009343857
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1009344050
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	3.049999952316284
Casing Diameter:	5.099999904632568
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1009344077
Layer:	1
Slot:	10
Screen Top Depth:	3.049999952316284
Screen End Depth:	6.099999904632568
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.099999904632568

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1009343858
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1009344104
Diameter:	21.0
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 1	ESE/255.5	339.8 / -5.02	FRANK TOMPA DR Waterloo ON	WWIS

Well ID: 7333790
Construction Date:
Use 1st: Monitoring
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z309019
Tag: A266353
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: WATERLOO CITY (WATERLOO TWP)
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05/30/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7238
Form Version: 7
Owner:
County: WATERLOO
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7333790.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/25/2019
Year Completed: 2019
Depth (m): 8.5344
Latitude: 43.4784968287793
Longitude: -80.5445949465206
X: -80.54459479906625
Y: 43.47849682819659
Path: 733\7333790.pdf

Bore Hole Information

Bore Hole ID: 1007474056
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/25/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 536830.00
North83: 4814054.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1007846214
Layer: 1
Color:
General Color:

Material 1: 06
Material 1 Desc: SILT
Material 2: 05
Material 2 Desc: CLAY
Material 3: 12
Material 3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007847734
Layer: 3
Plug From: 18.0
Plug To: 21.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007847733
Layer: 2
Plug From: 11.0
Plug To: 18.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007847735
Layer: 4
Plug From: 21.0
Plug To: 28.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007847732
Layer: 1
Plug From: 1.5
Plug To: 11.0
Plug Depth UOM: ft

Pipe Information

Pipe ID: 1007844924
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007850209
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 13.0

Casing Diameter:	1.0
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1007850208
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	23.0
Casing Diameter:	1.0
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007850673
Layer:	2
Slot:	10
Screen Top Depth:	13.0
Screen End Depth:	18.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	
Screen Diameter:	

Construction Record - Screen

Screen ID:	1007850672
Layer:	1
Slot:	10
Screen Top Depth:	23.0
Screen End Depth:	28.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1007851624
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1007851172
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	7.0
Water Found Depth UOM:	ft

25 **1 of 1** **E/259.7** **340.8 / -4.02** **lot 43 WATERLOO ON** **WWIS**

Well ID:	6509664	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	05/04/2004
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z10835	**Contractor:**	6607
Tag:	A010222	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	043
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	GCT
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6509664.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/05/2004
Year Completed:	2004
Depth (m):	5
Latitude:	43.4791968285544
Longitude:	-80.5440085253488
X:	-80.5440083771742
Y:	43.47919682794795
Path:	650\6509664.pdf

Bore Hole Information

Bore Hole ID:	11108057	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536877.00
Code OB Desc:		**North83:**	4814132.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	04/05/2004	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932965085
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.6000000238418579
Formation End Depth:	5.0
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932965084
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	0.6000000238418579
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933251912
Layer:	1
Plug From:	0.0
Plug To:	0.20999999344348907
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	966509664
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11115935
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930841393

Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.7599999904632568
Depth To:	1.5199999809265137
Casing Diameter:	5.0
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933408697
Layer:	1
Slot:	010
Screen Top Depth:	1.5199999809265137
Screen End Depth:	5.0
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	934049303
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	1.0
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11115934
Diameter:	21.0
Depth From:	0.0
Depth To:	5.0
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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26 **1 of 1** **ESE/263.4** **339.8 / -5.06** **COLUMBIA ST WATERLOO ON** **WWIS**

Well ID:	7232572	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	0	**Date Received:**	11/27/2014
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z198821	**Contractor:**	7320
Tag:	A144501	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7232572.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/27/2014
Year Completed: 2014
Depth (m):
Latitude: 43.478783431105
Longitude: -80.5442094758361
X: -80.54420932758218
Y: 43.478783430153335
Path: 723\7232572.pdf

Bore Hole Information

Bore Hole ID: 1005240779
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/27/2014
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 536861.00
North83: 4814086.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005469002
Layer: 1
Plug From: 0.0
Plug To: 4.199999809265137
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005469001
Method Construction Code: 9
Method Construction: Driving
Other Method Construction:

Pipe Information

Pipe ID: 1005468994
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005468998
Layer:

Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005468999
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1005468997
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005468996
Diameter: 10.0
Depth From: 0.0
Depth To: 4.199999809265137
Hole Depth UOM: m
Hole Diameter UOM: cm

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27 | ***1 of 1*** | ***ENE/264.0*** | ***344.8 / -0.02*** | ***451 PHILLIP ST WATERLOO ON*** | ***WWIS***

Well ID: 7238646
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z193747
Tag: A176671
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: WATERLOO CITY (WATERLOO TWP)
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 03/23/2015
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: WATERLOO
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7238646.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/22/2015
Year Completed: 2015
Depth (m): 4.8768
Latitude: 43.4820636129453
Longitude: -80.544864934168
X: -80.5448647855204
Y: 43.4820636124456
Path: 723\7238646.pdf

Bore Hole Information

Bore Hole ID: 1005315107
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/22/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 536806.00
North83: 4814450.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005570744
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 91
Material 3 Desc: WATER-BEARING
Formation Top Depth: 10.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005570743
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3:
Material 3 Desc:

Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570753
Layer:	2
Plug From:	1.0
Plug To:	5.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570752
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570754
Layer:	3
Plug From:	5.0
Plug To:	16.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005570751
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1005570742
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005570747
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	6.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005570748
Layer:	1
Slot:	10
Screen Top Depth:	6.0
Screen End Depth:	16.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Water Details

Water ID:	1005570746
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005570745
Diameter:	8.0
Depth From:	0.0
Depth To:	16.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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28 | ***1 of 1*** | ***ENE/266.7*** | ***344.8 / -0.02*** | ***435 PHILIP ST. WATERLOO ON*** | ***WWIS***

Well ID:	7265298	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	06/17/2016
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z210085	**Contractor:**	7241
Tag:	A176775	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7265298.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/02/2016
Year Completed:	2016
Depth (m):	6.096
Latitude:	43.4819821335215
Longitude:	-80.5447542540497
X:	-80.54475410593322

Y: 43.48198213309843
Path: 726\7265298.pdf

Bore Hole Information

Bore Hole ID: 1006064807
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/02/2016
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 536815.00
North83: 4814441.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006125090
Layer: 2
Color: 6
General Color: BROWN
Material 1: 08
Material 1 Desc: FINE SAND
Material 2: 34
Material 2 Desc: TILL
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 1.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006125091
Layer: 3
Color: 2
General Color: GREY
Material 1: 06
Material 1 Desc: SILT
Material 2: 08
Material 2 Desc: FINE SAND
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 10.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006125089
Layer: 1
Color: 8

General Color:	BLACK
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	08
Material 2 Desc:	FINE SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	1.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006125101
Layer:	3
Plug From:	9.0
Plug To:	20.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006125100
Layer:	2
Plug From:	1.0
Plug To:	9.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006125099
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006125098
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006125088
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006125094
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	10.0

Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006125095
Layer:	1
Slot:	10
Screen Top Depth:	10.0
Screen End Depth:	20.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Water Details

Water ID:	1006125093
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006125092
Diameter:	6.0
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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29 ***1 of 1*** ***ENE/268.9*** ***344.8 / -0.02*** ***451 PHILLIP ST Waterloo ON*** ***WWIS***

Well ID:	7238645	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Monitoring and Test Hole	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	
Final Well Status:	Observation Wells	***Date Received:***	03/23/2015
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z193748	***Contractor:***	7241
Tag:	A176670	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	WATERLOO
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7238645.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/22/2015
Year Completed:	2015
Depth (m):	5.7912
Latitude:	43.4819910391012
Longitude:	-80.5447294556685
X:	-80.54472930794684
Y:	43.48199103811255
Path:	723\7238645.pdf

Bore Hole Information

Bore Hole ID:	1005315104	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536817.00
Code OB Desc:		**North83:**	4814442.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/22/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005570718
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	91
Material 3 Desc:	WATER-BEARING
Formation Top Depth:	10.0
Formation End Depth:	19.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005570717
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570727
Layer:	2
Plug From:	1.0
Plug To:	8.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570726
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570728
Layer:	3
Plug From:	8.0
Plug To:	19.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005570725
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1005570716
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005570721
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	9.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005570722
Layer:	1
Slot:	10
Screen Top Depth:	9.0
Screen End Depth:	19.0

Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Water Details

Water ID:	1005570720
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005570719
Diameter:	8.0
Depth From:	0.0
Depth To:	19.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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30 | ***1 of 11*** | ***SW/277.0*** | ***348.8 / 3.98*** | ***275 Frank Tompa Drive, Waterloo ON N2L 0A1*** | ***EHS***

Order No:	20051020014	**Nearest Intersection:**	Phillip Street and Columbia St. W.
Status:	C	**Municipality:**	Kitchener/Waterloo
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	10/28/2005	**Search Radius (km):**	0.45
Date Received:	10/20/2005	**X:**	-80.550453
Previous Site Name:		**Y:**	43.476378
Lot/Building Size:			
Additional Info Ordered:			

---

30 | ***2 of 11*** | ***SW/277.0*** | ***348.8 / 3.98*** | ***Open Text Corporation, 275 Frank Tompa Dr, Waterloo ON N2L 0A1*** | ***SCT***

Established:	01-AUG-91
Plant Size (ft²):	
Employment:	

--Details--

Description:	Computer Systems Design and Related Services
SIC/NAICS Code:	541510
Description:	Software Publishers
SIC/NAICS Code:	511210

---

30 | ***3 of 11*** | ***SW/277.0*** | ***348.8 / 3.98*** | ***Spicer Corporation, 275 Frank Tompa Dr, Waterloo ON N2L 0A1*** | ***SCT***

Established:	01-AUG-83
Plant Size (ft²):	12000
Employment:	

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

--Details--
Description: Software Publishers
SIC/NAICS Code: 511210

Description: Software Publishers
SIC/NAICS Code: 511210

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30 **4 of 11** **SW/277.0** **348.8 / 3.98** **OPEN TEXT CORPORATION**
275 FRANK TOMPA DR
WATERLOO ON N2L 0A1 **EASR**

Approval No: R-002-1563442801
Status: REGISTERED
Date: 2012-02-21
Record Type: EASR
Link Source: MOFA
Project Type: Standby Power System
Full Address:
Approval Type: EASR-Standby Power System
SWP Area Name:
PDF NAICS Code:
PDF URL:
PDF Site Location:

MOE District:
Municipality: WATERLOO
Latitude:
Longitude:
Geometry X:
Geometry Y:

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30 **5 of 11** **SW/277.0** **348.8 / 3.98** **275 Frank Tompa Drive, Waterloo**
ON N2L 0A1 **INC**

Incident No: 463152
Incident ID: 2615030
Instance No:
Status Code: Causal Analysis Complete
Incident Status:
Incident Severity:
Task No:
Attribute Category: FS-Incident
Context:
Date of Occurrence:
Time of Occurrence:
Occr Insp Start Dt:
Incident Creat On:
Instance Creat Dt:
Instance Install Dt:
Approx Quant Rel:
Tank Capacity:
Fuels Occur Type:
Occur Type Rpt:
Occur Category:
Fuel Type Involved:
Fuel Type Reported:
Enforcement Policy:
Prc Escalation Req:
Item:
Item Description:
Device Installed Location:
Venting Type:
Vent Conn Mater:
Vent Chimney Mater:
Pipeline Type: Service / Riser Distribution Pipeline
Pipeline Involved:
Pipe Material: Plastic
Regulator Location: Outside
Regulator Type: Service Regulator (up to 60 psi intake)

Any Health Impact:
Any Enviro Impact:
Service Intrp:
Was Prop Damaged:
Reside App. Type:
Commer App. Type:
Indus App. Type:
Institut App. Type:
Depth Ground Cover:
Operation Pressure: IP
Equipment Type:
Equipment Model:
Serial No:
Cylinder Capacity:
Cylinder Cap Units:
Cylinder Mat Type:
Pump Flow Rate Cap:
Contam. Migrated:
Near Body of Water:
Drainage System:
Sub Surface Contam:
Tank Material Type:
Tank Storage Type:
Tank Location Type:

Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Liquid Prop Notes:
Inventory Address: 275 Frank Tompa Drive, Waterloo - 2" Pipeline Hit
Invent Postal Code:
Notes:
Contact Natural Env:
Aff Prop Use Water:
Occurence Narrative:
Operation Type Involved:

---

30 | ***6 of 11*** | ***SW/277.0*** | ***348.8 / 3.98*** | ***OPEN TEXT CORPORATION***
275 FRANK TOMPA DR
WATERLOO ON N2L 0A1 | ***EASR***

Approval No: R-003-5125697515
Status: REGISTERED
Date: 2012-06-12
Record Type: EASR
Link Source: MOFA
Project Type: Heating System
Full Address:
Approval Type: EASR-Heating System
SWP Area Name:
PDF NAICS Code:
PDF URL:
PDF Site Location:

MOE District:
Municipality: WATERLOO
Latitude:
Longitude:
Geometry X:
Geometry Y:

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30 | ***7 of 11*** | ***SW/277.0*** | ***348.8 / 3.98*** | ***OpenText Corporation***
275 Frank Tompa Dr
Waterloo ON N2L 0A1 | ***GEN***

Generator Info

Generator No: ON8562856
Approval Years: 2016
Status:
PO Box No:
Country: Canada
Co Admin: Nicola Browne
Phone No Admin: 51-888-7111 Ext.2874
SIC Description: 000000

Choice of Contact: CO_ADMIN
Contaminated Fac: No
MHSW Facility: No
SIC Code: 000000

Waste Detail(s)

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

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30 | ***8 of 11*** | ***SW/277.0*** | ***348.8 / 3.98*** | ***OpenText Corporation***
275 Frank Tompa Dr
Waterloo ON N2L 0A1 | ***GEN***

Generator Info

Generator No: ON8562856
Approval Years: As of Dec 2018

Choice of Contact:
Contaminated Fac:

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

Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	9 of 11	SW/277.0	348.8 / 3.98	OpenText Corporation 275 Frank Tompa Dr Waterloo ON N2L 0A1	GEN

Generator Info

Generator No: ON8562856
Approval Years: As of Jul 2020
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	10 of 11	SW/277.0	348.8 / 3.98	OpenText Corporation 275 Frank Tompa Dr Waterloo ON N2L 0A1	GEN

Generator Info

Generator No: ON8562856
Approval Years: As of Nov 2021
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	11 of 11	SW/277.0	348.8 / 3.98	OpenText Corporation 275 Frank Tompa Dr Waterloo ON N2L 0A1	GEN

Generator Info

Generator No:	ON8562856	***Choice of Contact:***	
Approval Years:	As of Oct 2022	***Contaminated Fac:***	
Status:	Registered	***MHSW Facility:***	
PO Box No:		***SIC Code:***	
Country:	Canada		
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

Waste Class:	251 L
Waste Class Name:	OIL SKIMMINGS & SLUDGES

2017 Generator Info

Gen No:	ON8562856	***Choice of Contact:***	CO_ADMIN
ID:	33518	***Phone No Official:***	519-888-7111 Ext.2167
Contaminated Fac:	N	***Phone No Admin:***	51-888-7111 Ext.2874
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	000000	***County Out:***	
NAICS Code2:		***District:***	202
NAICS Code3:			
Gen Name:	OpenText Corporation		
Gen Div:			
Gen Op Name:	OpenText		
Gen Op Div:			
Site Adrs1:	275 Frank Tompa Dr		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A1		
Site Country:	Canada		
Co Official:	Vicki Lipsit		
Co Admin:	Nicola Browne		

2018 Generator Info

Gen No:	ON8562856	***Choice of Contact:***	CO_ADMIN
ID:	34146	***Phone No Official:***	519-888-7111 Ext.2167
Contaminated Fac:	N	***Phone No Admin:***	51-888-7111 Ext.2874
MHSW Facility:	N	***County Ont:***	WATERLOO (R. M.)
NAICS Code1:	000000	***County Out:***	
NAICS Code2:		***District:***	202
NAICS Code3:			
Gen Name:	OpenText Corporation		
Gen Div:			
Gen Op Name:	OpenText		
Gen Op Div:			
Site Adrs1:	275 Frank Tompa Dr		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Waterloo		
Province Out:			
Site Postal Code:	N2L 0A1		

Site Country: Canada
Co Official: Vicki Lipsit
Co Admin: Nicola Browne

2019 Generator Info

Gen No: ON8562856
ID: 34548
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 000000
NAICS Code2:
NAICS Code3:
Gen Name: OpenText Corporation
Gen Div:
Gen Op Name: OpenText
Gen Op Div:
Site Adrs1: 275 Frank Tompa Dr
Site Bldg:
Site Pobox:
Province In: ONTARIO
Site Adrs2:
Site City: Waterloo
Province Out:
Site Postal Code: N2L 0A1
Site Country: Canada
Co Official: Vicki Lipsit
Co Admin: Nicola Browne

Choice of Contact: CO_ADMIN
Phone No Official: 519-888-7111 Ext.2167
Phone No Admin: 51-888-7111 Ext.2874
County Ont: WATERLOO (R. M.)
County Out:
District: 202

2020 Generator Info

Gen No: ON8562856
ID: 34271
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 000000
NAICS Code2:
NAICS Code3:
Gen Name: OpenText Corporation
Gen Div:
Gen Op Name: OpenText
Gen Op Div:
Site Adrs1: 275 Frank Tompa Dr
Site Bldg:
Site Pobox:
Province In: ONTARIO
Site Adrs2:
Site City: Waterloo
Province Out:
Site Postal Code: N2L 0A1
Site Country: Canada
Co Official: Vicki Lipsit
Co Admin: Nicola Browne

Choice of Contact: CO_ADMIN
Phone No Official: 519-888-7111 Ext.2167
Phone No Admin: 51-888-7111 Ext.2874
County Ont: WATERLOO (R. M.)
County Out:
District: 202

2021 Generator Info

Gen No: ON8562856
ID: 35091
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 000000
NAICS Code2:
NAICS Code3:

Choice of Contact: CO_ADMIN
Phone No Official: 519-888-7111 Ext.2167
Phone No Admin: 51-888-7111 Ext.2874
County Ont: WATERLOO (R. M.)
County Out:
District: 202

Gen Name:	OpenText Corporation
Gen Div:	
Gen Op Name:	OpenText
Gen Op Div:	
Site Adrs1:	275 Frank Tompa Dr
Site Bldg:	
Site Pobox:	
Province In:	ONTARIO
Site Adrs2:	
Site City:	Waterloo
Province Out:	
Site Postal Code:	N2L 0A1
Site Country:	Canada
Co Official:	Vicki Lipsit
Co Admin:	Nicola Browne

2021 Generator Manifest

ID:	60285	**Sum Received Qty:**	1320.0
Generator No:	ON8562856	**Waste Class Name:**	OIL SKIMMINGS & SLUDGES
Receiver Type:	035	**Count Manifests:**	1
Waste Char:	L	**District:**	202
Waste Code:	251		

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31 ***1 of 1*** ***ESE/277.9*** ***338.8 / -6.11*** ***ON*** ***BORE***

Borehole ID:	681511	**Inclin FLG:**	No
OGF ID:	215558507	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	JUN-1969	**Municipality:**	
Static Water Level:	0.3	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	43.4782
Total Depth m:	6.4	**Longitude DD:**	-80.544585
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	536831
Drill Method:	Power auger	**Northing:**	4814021
Orig Ground Elev m:	344	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	338		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218554203	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	(No description) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218554204	**Mat Consistency:**	Dense
Top Depth:	.2	**Material Moisture:**	

Bottom Depth:	6.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIGHT, BROWN, VERY DENSE.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	4
Source Date:	1900 - 1977	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:	1969/6	**Verticalda:**	Mean Average Sea Level
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Details:	1670		
Confiden 1:			

Source List

Source Identifier:	4	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1900 - 1977	**Projection Name:**	Universal Traverse Mercator
Scale or Resolution:	Varies		
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Originators:	Geological Survey of Canada		

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32 ***1 of 1*** ***NE/280.6*** ***344.8 / -0.02*** ***ON*** ***WWIS***

Well ID:	6507205	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Not Used	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Observation Wells	**Date Received:**	12/11/1991
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	116546	**Contractor:**	6518
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	GCT
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6507205.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/03/1991
Year Completed:	1991
Depth (m):	70.104
Latitude:	43.4827003597307
Longitude:	-80.5453985653268

X: -80.54539841691226
Y: 43.48270035926538
Path: 650\6507205.pdf

Bore Hole Information

Bore Hole ID: 10458452
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/03/1991
Remarks:
Location Method Desc: from gps
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 536762.46
North83: 4814520.48
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932582204
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 08
Material 3 Desc: FINE SAND
Formation Top Depth: 2.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932582206
Layer: 4
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 08
Material 2 Desc: FINE SAND
Material 3: 10
Material 3 Desc: COARSE SAND
Formation Top Depth: 172.0
Formation End Depth: 190.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932582208
Layer: 6

Color: 7
General Color: RED
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 202.0
Formation End Depth: 223.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932582207
Layer: 5
Color: 2
General Color: GREY
Material 1: 06
Material 1 Desc: SILT
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 190.0
Formation End Depth: 202.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932582203
Layer: 1
Color: 8
General Color: BLACK
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932582209
Layer: 7
Color: 1
General Color: WHITE
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 26
Material 2 Desc: ROCK
Material 3:
Material 3 Desc:
Formation Top Depth: 223.0
Formation End Depth: 230.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932582205
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	27.0
Formation End Depth:	172.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933209165
Layer:	3
Plug From:	189.0
Plug To:	230.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933209163
Layer:	1
Plug From:	0.0
Plug To:	175.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933209164
Layer:	2
Plug From:	175.0
Plug To:	189.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966507205
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	11007022
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930743547
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	3.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933384890
Layer:	1
Slot:	000
Screen Top Depth:	117.0
Screen End Depth:	127.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	3.0

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33 | **1 of 1** | **NE/285.2** | **344.8 / -0.02** | **451 PHILLIP ST WATERLOO ON** | **WWIS**

Well ID:	7238647	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	03/23/2015
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z193746	**Contractor:**	7241
Tag:	A176672	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	WATERLOO
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7238647.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/22/2015
Year Completed:	2015
Depth (m):	4.8768
Latitude:	43.4824873443489
Longitude:	-80.5449977776063
X:	-80.54499763010092
Y:	43.4824873430185
Path:	723\7238647.pdf

Bore Hole Information

Bore Hole ID:	1005315110	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	536795.00
Code OB Desc:		**North83:**	4814497.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/22/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005570796
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	06
Material 2 Desc:	SILT
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005570797
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	91
Material 3 Desc:	WATER-BEARING
Formation Top Depth:	10.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005570806
Layer:	2
Plug From:	1.0
Plug To:	5.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005570805
Layer: 1
Plug From: 0.0
Plug To: 1.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005570807
Layer: 3
Plug From: 5.0
Plug To: 16.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005570804
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1005570795
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005570800
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 6.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005570801
Layer: 1
Slot: 10
Screen Top Depth: 6.0
Screen End Depth: 16.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Water Details

Water ID: 1005570799
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005570798
Diameter: 8.0
Depth From: 0.0
Depth To: 16.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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34 ***1 of 1*** ***E/293.9*** ***344.6 / -0.23*** ***ON*** ***BORE***

Borehole ID: 680656
OGF ID: 215557652
Status:
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: AUG-1963
Static Water Level: 5.5
Primary Water Use:
Sec. Water Use:
Total Depth m: 7.6
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Power auger
Orig Ground Elev m: 343
Elev Reliabil Note:
DEM Ground Elev m: 344
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 43.480717
Longitude DD: -80.543577
UTM Zone: 17
Easting: 536911
Northing: 4814301
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218550851
Top Depth: 1.5
Bottom Depth: 3.7
Material Color: Brown
Material 1: Silt
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BROWN, VERY DENSE.

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

Geology Stratum ID: 218550852
Top Depth: 3.7
Bottom Depth: 7.6
Material Color: Brown
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BROWN, VERY DENSE.

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

Geology Stratum ID: 218550850
Top Depth: .5
Bottom Depth: 1.5

Mat Consistency: Dense
Material Moisture:
Material Texture: Medium

Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BROWN, VERY DENSE.		

Geology Stratum ID:	218550849	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	(No description) **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	4
Source Date:	1900 - 1977	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:	1963/8	**Verticalda:**	Mean Average Sea Level
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Details:	613		
Confiden 1:			

Source List

Source Identifier:	4	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1900 - 1977	**Projection Name:**	Universal Traverse Mercator
Scale or Resolution:	Varies		
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	1 of 1	WNW/294.6	353.8 / 8.98	295 Hagey Blvd. Waterloo ON N2L 6R5	EHS

Order No:	20101117045	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	11/25/2010	**Search Radius (km):**	0.25
Date Received:	11/17/2010 11:14:58 AM	**X:**	-80.552035
Previous Site Name:		**Y:**	43.481769
Lot/Building Size:	lot: 5.46 acres		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	WATERLOO CITY	CORRIE CRESCENT	WATERLOO CITY ON	
CA	WATERLOO CITY	CORRIE CRESCENT	WATERLOO CITY ON	

Unplottable Report

Site: ***WATERLOO CITY***
CORRIE CRESCENT WATERLOO CITY ON

Database: ***CA***

Certificate #: 3-0879-87-
Application Year: 87
Issue Date: 5/29/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***WATERLOO CITY***
CORRIE CRESCENT WATERLOO CITY ON

Database: ***CA***

Certificate #: 7-0732-87-
Application Year: 87
Issue Date: 5/29/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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 2024

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-Dec 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 - Dec 31, 2024

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 2024

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-Oct 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 - Dec 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-Oct 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-Aug 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-Nov 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-Nov 30, 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-Apr 2024

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-Dec 31, 2024

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal 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: Feb 2024

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 Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

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 - Dec 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-Oct 31, 2024

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Mar 2024; May 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: Feb 2024

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: Feb 2024

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 - Dec 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-Jan 2025

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.

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct 2024

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 2024

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 - Oct 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 D
CITY DIRECTORY

CITY DIRECTORY

Project Property:	*11425A* *380 Hagey Blvd* *Waterloo,ON N2L 0A4*
Project No:	
Requested By:	*Sola Engineering Inc.*
Order No:	*25021100685*
Date Completed:	*February 14, 2025*

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

February 14, 2025
RE: CITY DIRECTORY RESEARCH
380 Hagey Blvd
Waterloo,ON N2L 0A4

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

Search Criteria:

300-400 of Hagey Boulevard

420-455 of Wes Graham Way

Search Notes:

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2007	VERNONS	
2002	VERNONS	
1997	VERNONS	
1992	VERNONS	
1986	VERNONS	
1981	VERNONS	
1975-76	VERNONS	
1970	VERNONS	
1965	VERNONS	
1960	VERNONS	

2023 HAGEY BOULEVARD

SOURCE: DIGITAL BUSINESS DIRECTORY

300 **BISSETT TODD G ATY**...*ATTORNEYS*
300 **BROMILEY JAMES D ATY**...*ATTORNEYS*
300 **DAHMS WILLIAM S ATY**...*ATTORNEYS*
300 **DAVIS ERIC ATY**...*ATTORNEYS*
300 **FORTE PATRICIA J ATY**...*ATTORNEYS*
300 **FRIEDMAN HELEN D K ATY**...*ATTORNEYS*
300 **GRIGGS JOHN J ATY**...*ATTORNEYS*
300 **LEONARD JEAN ATY**...*ATTORNEYS*
300 **LUBCZUK STEVEN J ATY**...*ATTORNEYS*
300 **MARTIN J JAMIESON ATY**...*ATTORNEYS*
300 **MCGURRIN TIMOTHY J ATY**...*ATTORNEYS*
300 **MILLER THOMSON LLP**...*ATTORNEYS*
300 **PRIOR JAMES B ATY**...*ATTORNEYS*
300 **ROBSON GORDON L ATY**...*ATTORNEYS*
300 **SCHNURR DAVID ATY**...*ATTORNEYS*
300 **STANTEC**...*ENGINEERS-CONSULTING*
300 **STANTEC**...*CONSULTANTS-BUSINESS NEC*
300 **STEPHENS ADAM ATY**...*ATTORNEYS*
300 **SWEENEY STEPHEN ATY**...*ATTORNEYS*
300 **TED DUECK**...*ATTORNEYS*
300 **TUMMON MELISSA ATY**...*ATTORNEYS*
340 **ECU WEALTH MANAGEMENT**...*INVESTMENTS*
340 **EDUCATION CREDIT UNION**...*CREDIT UNIONS*
340 **KIDS CO**...*SERVICES NEC*
375 **AGFA HEALTHCARE INC**...*SCANNING SERVICE*
375 **AGFA HEALTHCARE INC**...*MEDICAL SOFTWARE*
375 **PRECEPT INSURANCE BROKERS**...*INSURANCE*

2023 WES GRAHAM WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

445 **H MASON**...*RESIDENTIAL*
445 **IMS**...*NONCLASSIFIED ESTABLISHMENTS*
445 **SYBASE CANADA LTD**...*COMPUTER SERVICES*

2021 HAGEY BOULEVARD

SOURCE: DIGITAL BUSINESS DIRECTORY

300 **56 GAME STUDIOS INC**...*GAMES & GAME SUPPLIES*
300 **BISSETT TODD G ATY**...*ASSOCIATIONS*
300 **BROMILEY JAMES D ATY**...*ASSOCIATIONS*
300 **CAMERON STEPHEN R ATY**...*ASSOCIATIONS*
300 **CAMERON STEPHEN R ATY**...*NON-PROFIT ORGANIZATIONS*
300 **DAHMS WILLIAM S ATY**...*ASSOCIATIONS*
300 **DAVIS ERIC ATY**...*ASSOCIATIONS*
300 **FORTE PATRICIA J ATY**...*ASSOCIATIONS*
300 **FRIEDMAN HELEN D K ATY**...*ASSOCIATIONS*
300 **GRIGGS JOHN J ATY**...*ASSOCIATIONS*
300 **KNOLDUS**...*NONCLASSIFIED ESTABLISHMENTS*
300 **KUIPER DWAYNE K ATY**...*NON-PROFIT ORGANIZATIONS*
300 **KUIPER DWAYNE K ATY**...*ASSOCIATIONS*
300 **LEONARD JEAN ATY**...*ASSOCIATIONS*
300 **LUBCZUK STEVEN J ATY**...*ASSOCIATIONS*
300 **MARTIN J JAMIESON ATY**...*ASSOCIATIONS*
300 **MCGURRIN TIMOTHY J ATY**...*ASSOCIATIONS*
300 **MILLER THOMSON LLP**...*ASSOCIATIONS*
300 **NAHM TAI W ATY**...*ASSOCIATIONS*
300 **PRIOR JAMES B ATY**...*ASSOCIATIONS*
300 **ROBSON GORDON L ATY**...*ASSOCIATIONS*
300 **ROTH ANDREW S ATY**...*ASSOCIATIONS*
300 **ROTH ANDREW S ATY**...*NON-PROFIT ORGANIZATIONS*
300 **SCHNEIDER ERIC N ATY**...*ASSOCIATIONS*
300 **SCHNURR DARYL W ATY**...*ASSOCIATIONS*
300 **SCHNURR DARYL W ATY**...*NON-PROFIT ORGANIZATIONS*
300 **SCHNURR DAVID ATY**...*ASSOCIATIONS*
300 **STANTEC**...*MACHINE SHOPS (MFRS)*
300 **STANTEC**...*CONSULTANTS-BUSINESS NEC*
300 **STANTEC CONSULTING**...*CONSULTANTS-BUSINESS NEC*
300 **STANTEC CONSULTING**...*MACHINE SHOPS (MFRS)*
300 **STEPHENS ADAM ATY**...*ASSOCIATIONS*
300 **SWEENEY STEPHEN ATY**...*ASSOCIATIONS*
300 **TUMMON MELISSA ATY**...*ASSOCIATIONS*
300 **WISMER IAN C ATY**...*NON-PROFIT ORGANIZATIONS*
300 **WISMER IAN C ATY**...*ASSOCIATIONS*
340 **ECU WEALTH MANAGEMENT**...*INVESTMENTS*
340 **EDUCATION CREDIT UNION**...*FEDERALLY CHARTERED CREDIT UNIONS*
340 **KIDS CO**...*SERVICES NEC*
375 **ABEX AFFILIATED BROKERS EXCH**...*INSURANCE*
375 **AGFA HEALTHCARE INC**...*SCANNING SERVICE*
375 **AGFA HEALTHCARE INC**...*MEDICAL SOFTWARE*
375 **PRECEPT INSURANCE BROKERS**...*INSURANCE*

2021 WES GRAHAM WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

445 **H MASON**...*RESIDENTIAL*
445 **IMS**...*NONCLASSIFIED ESTABLISHMENTS*
445 **SAP CANADA INC**...*COMPUTER SERVICES*

2017 HAGEY BOULEVARD

SOURCE: DIGITAL BUSINESS DIRECTORY

340 **COLUMBIA LAKE HEALTH CLUB**...*DIET & WEIGHT REDUCING CENTERS*
340 **COLUMBIA LAKE HEALTH CLUB**...*FITNESS & RECREATIONAL SPORTS CENTERS*
340 **CORA GROUP INC**...*FULLSERVICE RESTAURANTS*
340 **EDUCATION CREDIT UNION**...*CREDIT UNIONS*
340 **GOOGLE WATERLOO**...*COMPUTER & SOFTWARE STORES*
340 **KIDS CO**...*UNCLASSIFIED*
340 **TECH TOWN CAFE INC**...*CAFETERIAS*
340 **TECH TOWN DENTISTRY**...*OFFICES OF DENTISTS*
375 **AGFA HEALTH CARE INC**...*DATA PROCESSING & RELATED SVCS*

2017 WES GRAHAM WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

445 **SAP CANADA INC**...*CUSTOM COMPUTER PROGRAMMING SVCS*
445 **SYBASE CANADA**...*COMPUTER & SOFTWARE STORES*
445 **SYBASE CANADA**...*CUSTOM COMPUTER PROGRAMMING SVCS*

2012 HAGEY BOULEVARD

SOURCE: DIGITAL BUSINESS DIRECTORY

340 **COLUMBIA LAKE HEALTH CLUB**...*FITNESS & RECREATIONAL SPORTS CENTERS*
340 **TECH TOWN CAFE INC**...*CAFETERIAS*
340 **TECHTOWN DENTISTRY**...*OFFICES OF DENTISTS*

2012 WES GRAHAM WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

445 **SYBASE CANADA**...*COMPUTER & SOFTWARE STORES*

2007 HAGEY BOULEVARD

SOURCE: VERNONS

NO LISTINGS WITHIN RADIUS

2007 WES GRAHAM WAY

SOURCE: VERNONS

445 **ANYWHERE SOLUTIONS**

2002 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

2002 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1997 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1997 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1992 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1992 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1986 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1986 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1981 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1981 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1975-76 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1975-76 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1970 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1970 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1965 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1965 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

1960 HAGEY BOULEVARD

SOURCE: VERNONS

STREET NOT LISTED

1960 WES GRAHAM WAY

SOURCE: VERNONS

STREET NOT LISTED

APPENDIX E
REGULATORY CORRESPONDENCE

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

February 13, 2025

Katrina Cheng
SOLA Engineering Inc.
25,26- 390 Edgeley Boulevard
Vaughan, Ontario L4K 3Z6
katrinac@solaengineering.ca

Dear Katrina Cheng:

RE: **MECP FOI A-2025-00929 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

380 Hagey Blvd, Waterloo

Timeframe: January 01, 1950, to February 11, 2025

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned. This file is now closed.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Jessica Wilson at jessica.wilson@ontario.ca.

Yours truly,
Jessica Wilson

for
Josephine DeSouza
Manager, Access and Privacy Office

Katrina Cheng

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Friday, February 14, 2025 12:24 PM
To: Katrina Cheng
Subject: RE: TSSA Check Request

Follow Up Flag: Flag for follow up
Flag Status: Flagged

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Kimberly Gage | Public Information Agent
Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3348 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org
www.tssa.org

Winner of 2022 5-Star Safety Cultures Award

From: Katrina Cheng <katrinac@solaengineering.ca>
Sent: February 14, 2025 11:34 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Check Request

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

Hi,

We would like to inquire about fuel storage tanks at the following addresses in Waterloo:

1. 380 Hagey Blvd
2. 420 Wes Graham Way
3. 340 Hagey Blvd
4. 435 Wes Graham Way
5. 425 Wes Graham Way
6. 375 Hagey Blvd
7. 335 Hagey Blvd
8. 46 Hagey Blvd
9. 445 Wes Graham Way
10. 415 Wes Graham Way

Warm regards,

Katrina Cheng

Junior Environmental Scientist, M.Eng., E.I.T.

SOLA ENGINEERING

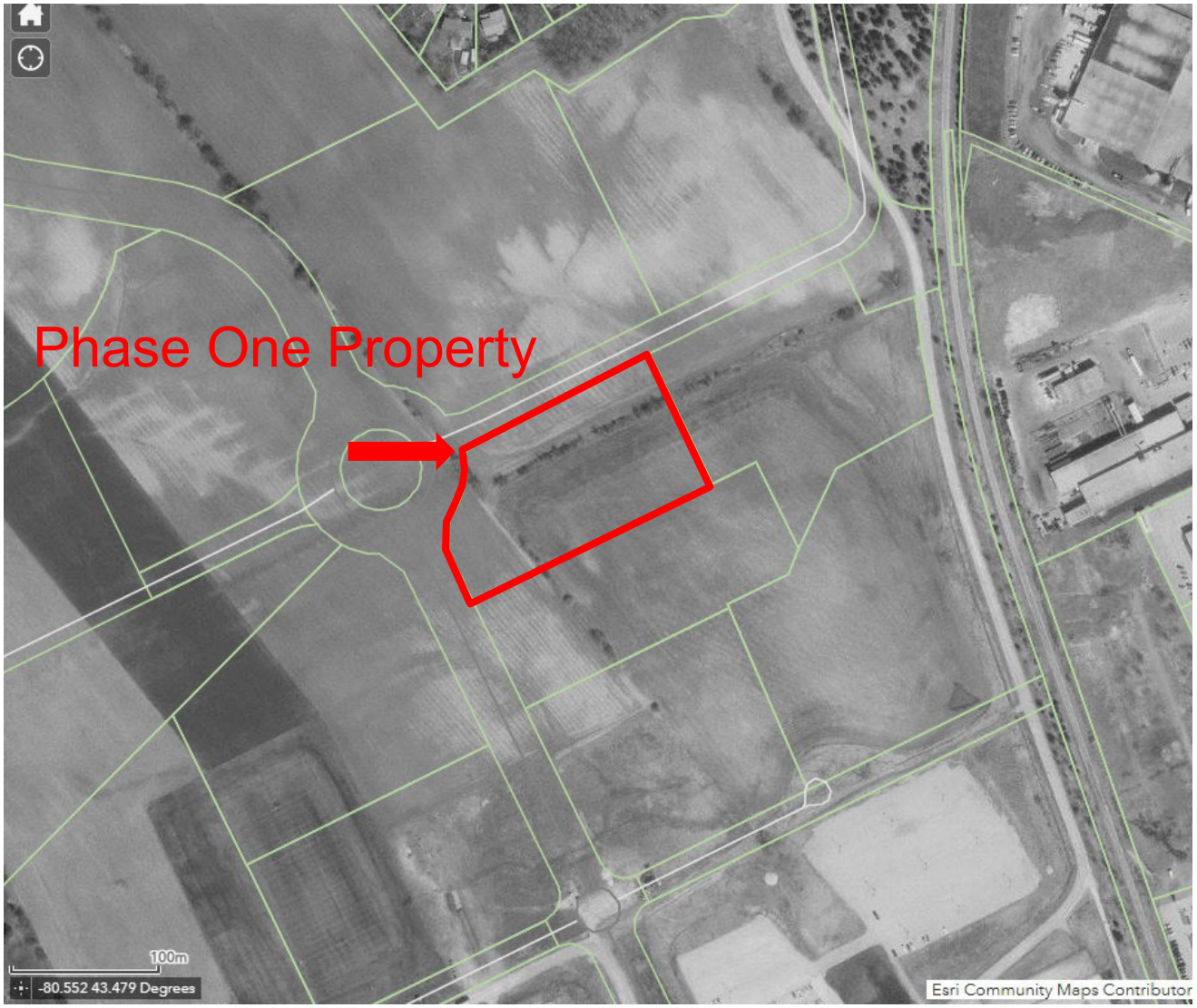
T. (905) 760-9501 | C. (647) 379-1557 | F. (905) 761-1822

katrinac@solaengineering.ca | www.solaengineering.ca

GEOTECHNICAL ENGINEERING | ENVIRONMENTAL ENGINEERING |
MATERIALS TESTING & INSPECTION

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

APPENDIX F
AERIAL PHOTOGRAPHS

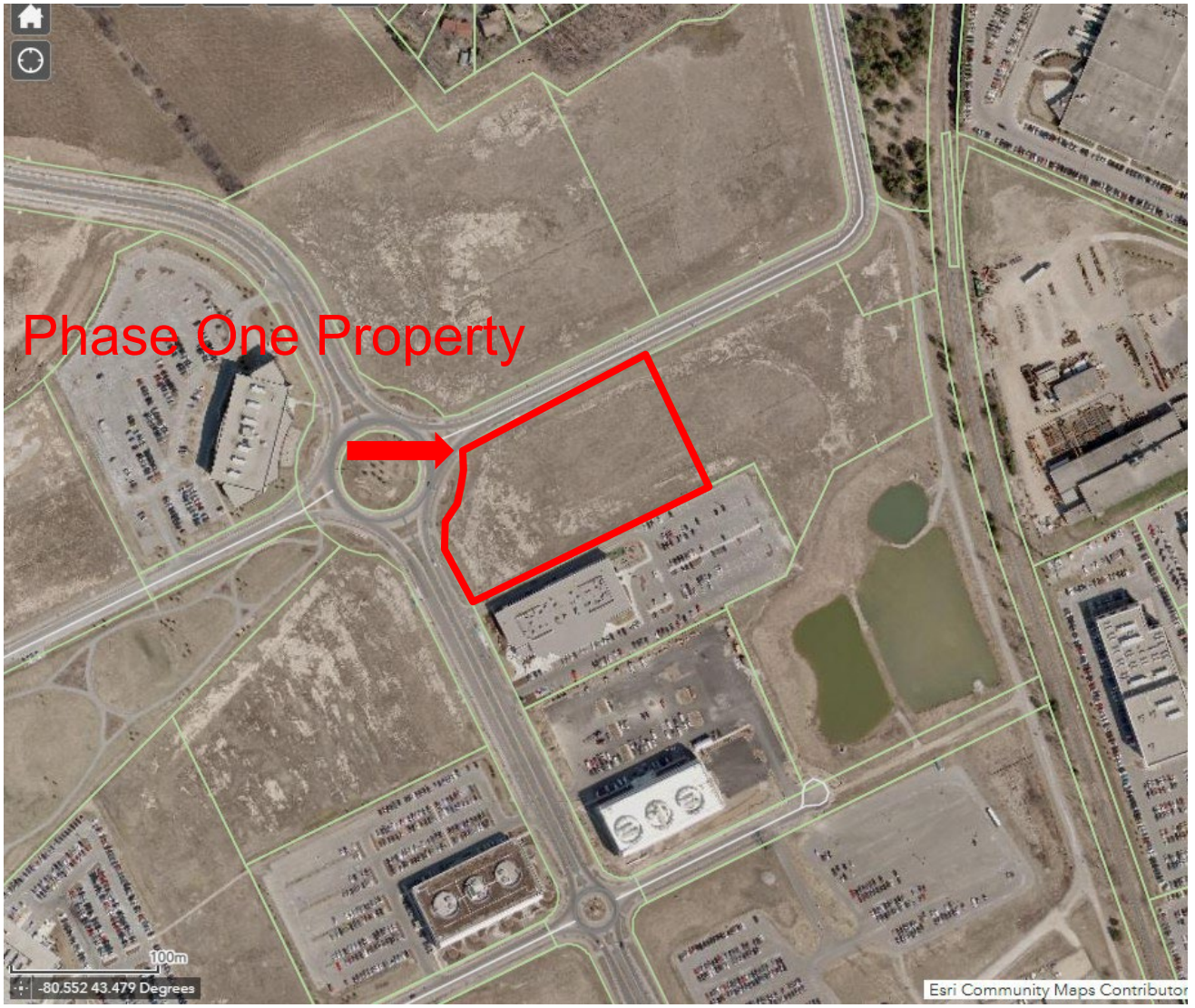


N

SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2000	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps



SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2006	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps



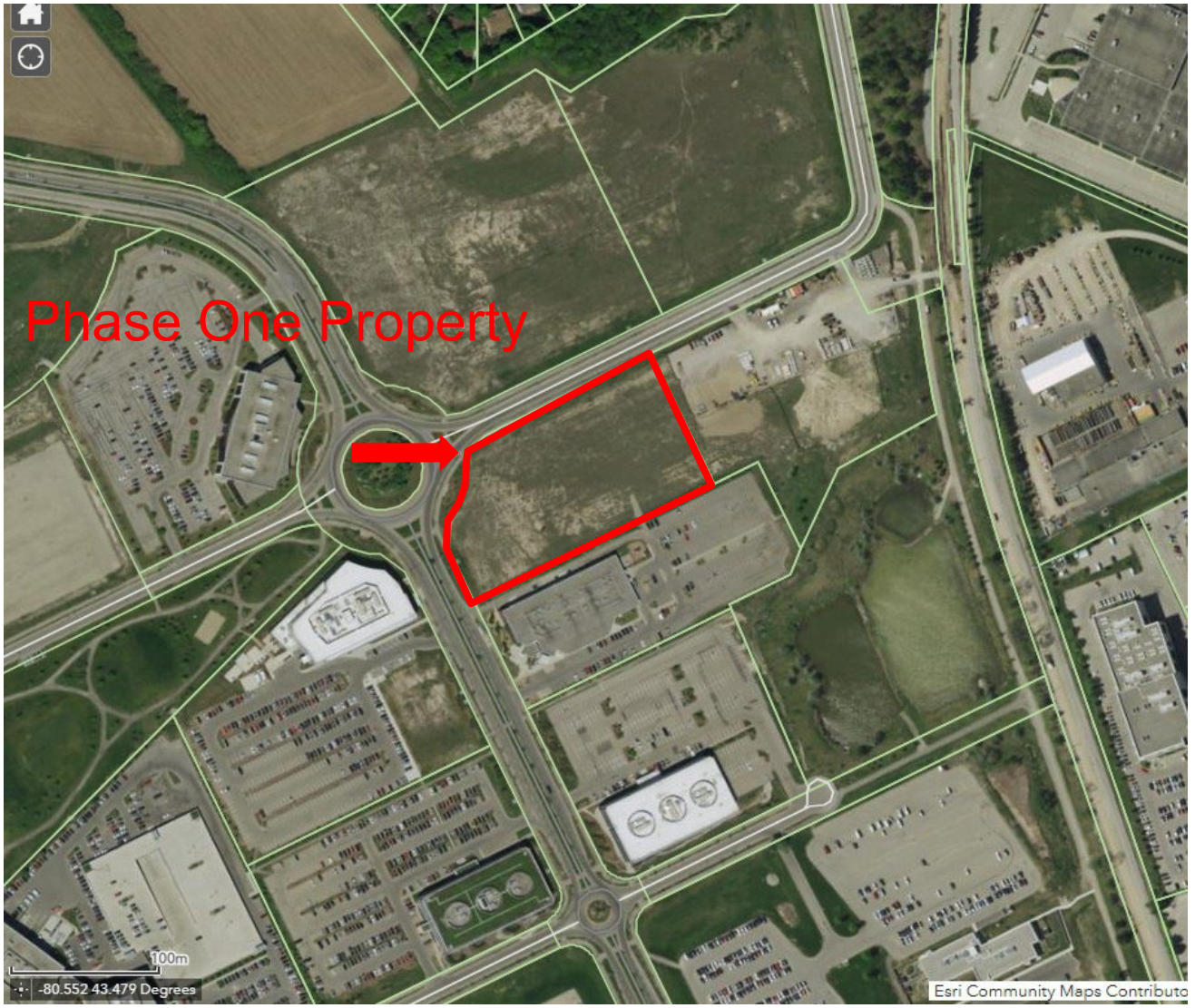
N

SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2009	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps



N

SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2012	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps



SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2015	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps



SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2020	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps



SOLA ENGINEERING	Date: February 2025	Scale: Shown in figure	Project Number: 2025-21163
Aerial Photograph 2024	Drawn By: RT	Approved By: KC	Resource: Region of Waterloo Interactive Maps

APPENDIX G
SITE PHOTOGRAPHS

APPENDIX G
SITE PHOTOGRAPHS



1. View of the Phase One property from Wes Graham Way, facing south.



2. View of the Phase One property from Hagey Blvd, facing East.



3. View of the Phase One Property from the Parking Lot of ECU - A Division of WFCU Credit Union, Facing North.



4. View of the Phase One Property from the parking lot at 420 Wes Graham Way, oriented toward the southwest.



5. View of the Phase One Property includes the westbound side of Wes Graham Way, facing West.



6. View of the Phase One Property from the west side, along with the ECU - A Division of WFCU Credit Union, located to the north of Hagey Boulevard, facing south.



7. Transform (15462) located at 24 meters east of the eastern boundary line of the Phase One Property, facing East.



8. Transform (14497) located at the southeast corner of the Phase One Property, facing North.

APPENDIX H
QUALIFICATIONS OF THE ASSESSORS

SAJJAD M. DIN, BSc, MS, MSc, PPhys, PG, PGeo, CET, PI, QPESA
Senior Environmental Geoscientist

Mr. Din is a seasoned Environmental Professional with over 25+ Years of expertise spanning academic instruction, environmental geoscience, and project management. Sajjad has vast experience in environmental sampling, remediation technologies, and solid waste management. Mr. Din also possesses substantial experience as an Environmental Geoscientist, where he managed and coordinated Phase II ESAs and remediation projects for various clients, showcasing his adeptness in multi-facility initiatives.

With diverse skills encompassing environmental law, regulations, and auditing, Mr. Din's career highlights include roles as a Remediation Supervisor, Project Manager, and Investigator. He has demonstrated strategic thinking in proposal preparation, environmental compliance approvals, and the coordination of remediation projects, showcasing a holistic understanding of environmental science. His comprehensive expertise ranges from in-situ chemical oxidation to groundwater monitoring, and he holds licenses as a Professional Geologist in both Ontario and Florida, underlining his commitment to professional excellence.