



**CHUNG & VANDER DOELEN**  
ENGINEERING LTD.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**  
**ADELAIDE STREET EXTENSION**  
ARTHUR, ONTARIO

**SUBMITTED TO:**  
2786713 Ontario Inc.  
o/a VED Homes  
62 Sir Jacobs Crescent  
Brampton, ON  
L7A 3V2



**CHUNG & VANDER DOELEN  
ENGINEERING LTD.**

311 VICTORIA STREET NORTH  
KITCHENER / ONTARIO / N2H 5E1  
519-742-8979

March 24, 2022  
**FILE NO.:** E22448

2786713 Ontario Inc.  
o/a VED Homes  
62 Sir Jacobs Crescent  
Brampton, ON  
L7A 3V2

Dear Mr. Scott Patterson:

**RE: PHASE I ENVIRONMENTAL SITE ASSESSMENT  
ADELAIDE STREET EXTENSION  
ARTHUR, ONTARIO**

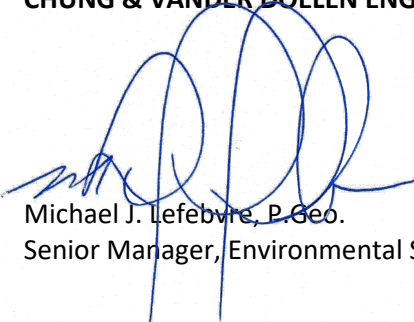
We are enclosing one (1) copy of our Phase I ESA report conducted for the above-referenced properties.

If you have any questions or clarifications are required, please contact the undersigned at your convenience.

We thank you for giving us this opportunity to be of service to you.

Yours truly,

**CHUNG & VANDER DOELEN ENGINEERING LTD.**



Michael J. Lefebvre, P. Geo.  
Senior Manager, Environmental Services

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## 1.0 EXECUTIVE SUMMARY

Chung and Vander Doelen Engineering Ltd. (CVD) was retained by 2786713 Ontario Inc. to complete a Phase I Environmental Site Assessment (ESA) on the property designated for a new residential development including the proposed Adelaide Street Extension in Arthur, Ontario (hereinafter referred to as the "Site").

The purpose of the Phase I ESA is to evaluate the environmental conditions of the Site and adjacent properties and to identify actual or potential sources of contamination associated with the subject property and surrounding properties. The Phase I ESA is part of the due diligence requirements to support a land development project. It is understood that a Record of Site Condition (RSC) is not intended for the property at this time.

The Site is a rectangular shaped property, approximately 2.43 acres in area, located adjacent to the west of the intersection of Adelaide Street and Conestoga Street North. The Site is located in an area of residential and agricultural land uses. The Site is currently an unoccupied parcel of agricultural land that will be developed for residential uses and the planned extension of Adelaide Street.

According to available resources, the Site has always been unoccupied agricultural land.

The findings of the Phase I ESA did not identify any actual or potential sources of contamination on the Site or surrounding properties. It is CVD's professional opinion that the potential for environmental liabilities associated with the Site under investigation is low, and that no further investigations are required at this time.

This opinion is based on the following:

- The Site has never been used for any land use that may use, store, or generate any substances that may pose an environmental risk to the Site.
- The current surrounding and adjacent properties to the Site are not expected to pose an environmental concern for the Site. Past activities on the surrounding properties are not expected to pose an environmental concern for the Site.



## 2.0 INTRODUCTION

### 2.1 Phase I Property Information

Chung and Vander Doelen Engineering Ltd. (CVD) was retained by 2786713 Ontario Inc. complete a Phase I Environmental Site Assessment (ESA) on the property designated for residential development and the proposed Adelaide Street Extension in Arthur, Ontario (hereinafter referred to as the "Site").

The purpose of the Phase I ESA is to evaluate the environmental conditions of the Site and to identify actual or potential sources of contamination associated with the Site and surrounding properties. The Phase I ESA is part of the due diligence requirements to support a land development project. It is understood that a Record of Site Condition (RSC) is not intended for the property at this time.

The Site is a rectangular shaped property, approximately 2.43 acres in area, located adjacent to the west of the intersection of Adelaide Street and Conestoga Street North. The Site is located in an area of residential and agricultural land uses. The Site is currently an unoccupied parcel of agricultural land that will be developed for residential uses and the planned extension of Adelaide Street.

For the purpose of this investigation, Adelaide Street is considered to extend in an east-west orientation. Appendix A shows the location of the Site. A Site Plan is provided in Appendix B.

## 3.0 SCOPE OF THE INVESTIGATION

A Phase I Environmental Site Assessment is a thorough review of all activities that may have impacted the Site from an environmental standpoint.

CVD conducted this Phase I Environmental Site Assessment in general accordance with the amended Ontario Regulation 153/04. This report also conforms to Canadian Standards Association (CSA) Z768-01 (R2016). The above-noted procedures set standards for review of information pertaining to the Site, development of detailed checklists or protocols, conducting the Site inspection, and preparation of the final report. This report will not satisfy all of the necessary requirements for filing a Record of Site Condition under the amended Ontario Regulation 153/04.

The scope of work for the Phase I ESA consisted of the following tasks:

- Site reconnaissance on March 18, 2022;
- Review the current use of the Site and the practices that may have impacted the environmental condition of the Site;
- Review the current use of the surrounding properties and the commercial/industrial practices that may have impacted the environmental condition of the Site;



- A review of available city directories and fire insurance plans (FIPs) to determine previous occupants of the Site and surrounding properties and to determine the first developed use of the Site;
- A search of available databases to identify actual or potential sources of contamination associated with the Site and surrounding properties;
- Review of previous environmental reports conducted for the property, if available;
- Interpretation of available aerial photographs;
- Contact government agencies to request information for the Site, regarding environmental regulatory registration or non-compliance. Review any such information where available;
- Prepare a report of findings and conclusions.

CVD relies on information received from all parties as accurate, unless contradicted by field observations or written documentation.

## 4.0 RECORDS REVIEW

### 4.1 General

Available information sources including regulatory data-bases were assessed in an effort to gain information related to past Site activities, and to address potential environmental issues that may be present at, or in the vicinity of the Site.

#### 4.1.1 Phase I Study Area Determination

A review of the documents listed in Section 4.0 indicates that there are no significant concerns with any properties outside a 250 m radius of the Site that would be considered of environmental liability. The study area for the Phase I ESA is therefore determined to be within a 250 m radius of the Site.

#### 4.1.2 Site History

A review of the documents outlined in Section 4.0 indicates the Site has always been an unoccupied parcel of agricultural land.



#### **4.1.3 Fire Insurance Plans**

The Canadian Fire Insurance Plans (FIPs) in Ontario Collection, 1876 to 1973 (Vol. 5) was referenced for information regarding the Site and surrounding properties. The Site is outside all available fire insurance boundaries.

#### **4.1.4 Previous Environmental Reports**

No previous environmental reports for the subject Site were made available to CVD while writing this report.

##### Coal Gasification Plants

A review of the Intera Technologies Ltd. Inventory of Coal Gasification Plant Waste Sites in Ontario (April 1987) revealed that the Site and surrounding properties within 250 m have not been used for the gasification of coal.

##### PCB Storage Sites

A review of the MECP document entitled "Ontario Inventory of Approved PCB Storage Sites", September 1988, indicated that there are no PCB storage sites within the Phase I Study Area.

##### The Technical Standards and Safety Authority (TSSA), Fuels Safety Division (FSD)

A Customer Service Advisor at TSSA was contacted to determine if any aboveground or underground storage tanks (ASTs or USTs) were listed in its database for the subject properties.

The TSSA was not able to confirm if there are any registered fuel tanks on the property due to the property not having a civic address.

Based on the reported history of the Site, it is not anticipated that there have ever been any registered fuel tanks on the property.

A copy of the TSSA correspondence is included in Appendix E.

##### Ontario Ministry of the Environment, Conservation and Parks (MECP)

A Freedom of Information (FOI) request was submitted to the MECP for information regarding any environmental concerns, orders, spills, investigations/prosecutions, Waste Generator Numbers/Classes and Certificates of Approval related to the Site. At the time of writing this report, we have not yet received a response to this request.

Any relevant information received from the MECP will be forwarded as an addendum to this report. A copy of the FOI request is included in Appendix E.



### Waste Disposal Site Inventory

A review of the Ontario MECP document entitled “Waste Disposal Site Inventory”, June 1991, indicates that there are no active or closed landfills located within 250 m of the Site.

### ERIS Report

A request was made to Environmental Risk Information Services (ERIS) for a standard select report. The standard select report provides historical environmental information for the subject property and lands surrounding the Site within a 250 m radius. Selected federal, provincial and private sector databases are researched to identify potential environmental concerns. The standard select report is used to aid in the identification of possible environmental risk factors for commercial, industrial and residential sites.

The following is a list of the database searches completed by ERIS for this assignment.

- Commercial Fuel Oil Tanks (CFOT)
- Fuel Storage Tank (FST)
- Fuel Storage Tank – Historic (FSTH)
- Ontario Regulation 347 Waste Generator Summary (GEN)
- Private and Retail Fuel Storage Tanks (PRT)
- Retail Fuel Storage Tanks (RST)
- Scotts Manufacturing Directory (SCT)
- Ontario Spills (SPL)

The standard select report dated March 11, 2022 provided zero (0) listings for the Site and three (3) listings for surrounding properties within a 250 m radius.

- One listing (1) was provided by the Private and Retail Tanks (PRT) database. A review of the listing did not reveal any environmental liability to the Site.
- Two (2) listings were provided by the Ontario Spills (SPL) database. A review of the listings did not reveal any environmental liabilities to the Site.

A copy of the ERIS Standard Select Report is included in Appendix F.

### City Directories

City directories were not available to CVD while writing this report.



### 4.3 Physical Setting Sources

#### 4.3.1 Aerial Photographs

Aerial photographs for the years 1954, 1969, 2000, 2010 and 2020 were reviewed.

Observations of the Site and surrounding properties are outlined in the following table. Aerial photographs are enclosed in Appendix C.

<b>Year</b>	<b>Observations</b>
1954	The Site is depicted as an undeveloped parcel of agricultural land. Surrounding properties are mostly shown as undeveloped agricultural land. Some residential development is observed to the south and east of the Site.
1969	No significant changes are visible to the Site. Surrounding properties remain to be agricultural and residential.
2000	No discernible changes are visible to the Site or surrounding properties.
2010	No discernible changes are visible to the Site or surrounding properties.
2020	No discernible changes are visible to the Site or surrounding properties.

#### 4.3.2 Topography, Hydrology, Geology

The Grand River Conservation Authority web-map and Atlas of Canada Toporama interactive maps were accessed to retrieve spatial data relevant to the Site. Map contours reveal geodetic elevations of the Site to be at approximately 455 m.a.s.l. (metres above sea-level). The local topography slopes down in a south westerly direction. The localized shallow groundwater flow direction is anticipated to follow the local topography and flow in a south westerly direction towards a tributary off Farley's Creek.

According to the Ministry of Northern Development and Mines Map 2383 entitled "Palmerston, Southern Ontario, Quaternary Geology", the Site is located in a physiographic region that is comprised of Tavistock Till which consists predominantly of a clayey silt to silt till.

According to Map 2544, "Bedrock Geology of Southern Ontario, Southern Sheet", the bedrock in the area generally consists of limestone, dolostone, shale, sandstone, gypsum and salt of the Salina Formation.



#### **4.3.3 Fill Materials**

Fill material composition and source location are considerations in determining whether environmental concerns are present. Importation of fill of unknown quality is identified as a potentially contaminating activity within Ontario Regulation 153/04.

During the Site reconnaissance, CVD observed that the Site is generally evenly graded with the surrounding properties. Based on the observations made during the Site reconnaissance and the Site history, CVD does not anticipate deleterious fill material to be present on the Site.

#### **4.3.4 Water Bodies and Areas of Natural Significance**

There are no water bodies or areas of natural significance in close proximity (250 m) of the Site. The nearest surficial body of water is a tributary off Farley's Creek, located approximately 75 m west of the Site.

#### **4.4 Site Operating Records**

No Site operation records were available to CVD for review during the completion of the Phase I ESA.

### **5.0 INTERVIEWS**

No interviews were conducted while writing this report.

### **6.0 SITE RECONNAISSANCE**

#### **6.1 General Requirements**

An assessment of the Site was completed by a representative of CVD, on March 18, 2022. A complete walkover of the Site and surrounding properties was conducted at this time.

#### **6.2 Specific Observations at Phase I Property**

CVD's Site reconnaissance was carried out on March 18, 2022. The Site was observed to be a vacant undeveloped parcel of agricultural land.

The Site was noted to be bounded by single family residences to the north and east and by agricultural fields to the south and west.

The Site is not currently serviced with any utilities.

Photographs of the Site are included in Appendix D.



### Underground and Aboveground Storage Tanks

Inspections were conducted to assess the presence/absence and condition (if present) of underground storage tanks (USTs) & aboveground storage tanks (ASTs) at the Site.

The Site was observed to be a vacant property. No development has ever occurred on the property. It is therefore anticipated that no ASTs or USTs have ever been present on the Site.

CVD also contacted the TSSA, Fuels Safety Division (FSD), to determine if any registered fuel outlets were listed in its database for the Site. The TSSA was not able to confirm there are no registered tanks on the Site because the Site does not have a civic address to correspond to their records. However, as previously mentioned, it is not anticipated that any registered fuel outlets have ever been present on the Site.

A copy of the TSSA correspondence is included in Appendix E.

### Chemical Inventory, Storage and Handling

CVD did not observe any chemicals on Site. CVD did not observe any signs of chemical storage or handling practices during the Site reconnaissance that have the potential to impair the Site, and none are expected.

### Solid and Liquid Waste Generation and Disposal

The Site is an unoccupied undeveloped parcel of agricultural land. Therefore, the Site does not currently generate any solid or liquid wastes. Additionally, available resources indicate the Site has historically never produced any solid or liquid wastes.

### Designated Substances

In Ontario, the Occupational Health and Safety Act has a list of nearly a dozen substances have been classified as "designated substances" largely in response to their harmful characteristics.

### Asbestos Containing Materials

Asbestos is a group of naturally occurring minerals, formerly used for thermal and acoustic insulation, and fireproofing. The use of asbestos was common due to its strength and resistance to heat, and is often found in old ceiling tiles, pipe and vessel insulation, floor tile, linoleum, and mastic, and blown into structural beams and ceilings. The use of ACMs was banned in Canada in the late 1970s.

Asbestos is not always an immediate hazard, though when asbestos containing materials are disturbed, microscopic fibres become airborne and may be inhaled by humans, where it may cause cancer and lung disease.

There are no structures on the Site, therefore, ACMs are not anticipated to be present on the Site.



### Lead Based Paint

Lead is a highly toxic metal which, when present in the human body (in sufficient quantities), attacks the central nervous system and can result in numerous health problems. Lead-based paints have not been used since the late 1970s, when the U.S. Department of Housing and Urban Development (HUD) banned it for use in all homes and most other buildings.

There are no structures on the Site, therefore, lead based paints are not anticipated to be present on the Site.

### Other Designated Substances

The Site is currently an undeveloped parcel of land; therefore, other designated substances are not anticipated to be present on the Site.

## **6.3 Surrounding Properties Phase I Study Area**

The Site is located in an area of residential and agricultural land uses. Land uses currently and historically surrounding the Site are described as follows:

### North of the Site:

Directly adjacent to the north of the Site are single family dwellings, beyond which is Domville Street and more single-family dwellings.

According to available resources, land uses to the north of the Site have historically been residential, agricultural and/or vacant land.

### East of the Site:

Directly adjacent to the east of the Site are single family dwellings, beyond which is Conestoga Street North, Adelaide Street and more single-family dwellings.

According to available resources, land uses to the east of the Site have historically been residential, agricultural and/or vacant land.

### South of the Site:

Directly adjacent to the south of the Site is vacant agricultural land and single-family dwellings, beyond which is more agricultural land.

According to available resources, land uses to the south of the Site have historically been residential, agricultural and/or vacant land.



West of the Site:

Directly adjacent to the west of the Site is agricultural land, beyond which is Preston Street North.

Notable land uses to the west include an auto parts manufacturer and a MTO storage yard, both of which are located outside the Phase I Study Area and therefore not expected to pose an environmental concern to the Site.

According to available resources, land uses to the west of the Site have historically been agricultural and/or vacant land.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 *Current and Past Uses on the Phase I Property*

According to available resources, the Site has always been an unoccupied parcel of undeveloped agricultural land.

### 7.2 *Potentially Contaminating Activities (PCAs)*

Potentially contaminating activities (PCAs) are a use or activity set out in Column A of Table 2 of Schedule D within Ontario Regulation 153/04 that is occurring or has occurred in a Phase I study area.

No PCAs were identified on the Site or surrounding properties.

### 7.3 *Areas of Potential Environmental Concern (APECs)*

Areas of potential environmental concern (APECs) are defined within the amended Ontario Regulation 153/04 (amended regulation) as those on, in or under a phase one property where one or more contaminants are potentially present. APECs are related to potentially contaminating activities set out and numbered in Column A of Table 2 of Schedule D in the amended regulation. PCAs identified within the Phase I ESA study area are outlined in section 7.2 of this report.

There were no APECs identified on the Site.



## **8.0 CONCLUSIONS**

CVD was retained by 2786713 Ontario Inc. to complete a Phase I Environmental Site Assessment (ESA) on the property designated for residential development and the proposed Adelaide Street Extension in Arthur, Ontario. The purpose of the Phase I ESA is to evaluate the environmental conditions of the Site and adjacent properties and to identify actual or potential sources of contamination associated with the Site and surrounding properties.

The findings of the Phase I ESA did not identify any actual or potential sources of contamination on the Site or surrounding properties. It is CVD's professional opinion that the potential for environmental liabilities associated with the Site under investigation is low, and that no further investigations are required at this time.

This opinion is based on the following:

- The Site has never been used for any land use that may use, store or generate any substances that may pose an environmental risk to the Site.
- The current surrounding and adjacent properties to the Site are not expected to pose an environmental concern for the Site. Past activities on the surrounding properties are not expected to pose an environmental concern for the Site.



## 9.0 STUDY LIMITATIONS

CVD has prepared this report for the exclusive use of 2786713 Ontario Inc. in evaluating the environmental conditions of the Site at the time of CVD's Site visit. CVD will not be responsible for the use of this report by any third party, or reliance on or any decision to be made based on it without the prior written consent of CVD. CVD accepts no responsibility for damages, if any, by any third party as a result of decisions or actions based on this report.

This report presents an overview of issues of environmental concern, reflecting CVD's best judgment using information reasonably available at the Site at the time of CVD's Site visit. CVD has prepared this report using information understood to be factual and correct and shall not be responsible for conditions arising from information or facts that were concealed or not fully disclosed to CVD at the time of the Site visit.

The American Society of Testing and Materials Standard of Practice notes that no environmental Site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of a standardized environmental Site assessment protocol is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the property, given reasonable limits of time and cost. This assessment was carried out using historical data and a Site walkover. Intrusive testing is not part of the scope of this assessment.

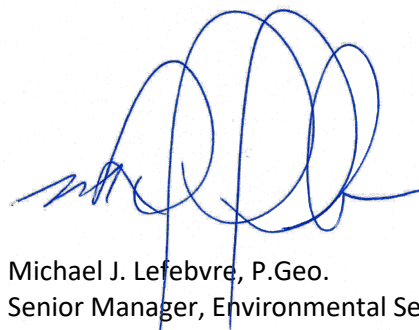
We trust that the above report is complete within our terms of reference. If there are any questions concerning this matter, please do not hesitate to contact our office.

Respectfully submitted,

**CHUNG & VANDER DOELEN ENGINEERING LTD.**



Michael Thivierge, B.Sc. (Hons)  
Environmental Scientist



Michael J. Lefebvre, P.Geo.  
Senior Manager, Environmental Services



## 10.0 REFERENCES

The following documents, maps, or other publications may have been used in the preparation of this report.

- Canadian Standard Association (CSA), 2016 Phase I Environmental Site Assessment CSA Z768-01 (R2016), Toronto, Canada.
- Intera Technologies Ltd., “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario”, July 1988.
- Ontario Ministry of the Environment, “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario”, November 1998.
- Ontario Ministry of the Environment, “Ontario Inventory of Approved PCB Storage Sites”, September 1998.
- Ontario Ministry of the Environment, “Waste Disposal Site Inventory”, June 1991.
- Ministry of Northern Development and Mines, Map 2544, “Bedrock Geology of Ontario – Southern Sheet”, 1991.
- Ministry of Northern Development and Mines, Map 2383 “Palmerston, Southern Ontario, Quaternary Geology”, 1972.





**APPENDIX A**  
**KEY PLAN**





**LEGEND**

Approximate Site Boundary - - - - -

	<p><b>CHUNG &amp; VANDER DOELEN</b> ENGINEERING LTD.</p> <p>311 Victoria Street North Kitchener / Ontario / N2H 5E1 519-742-8979</p>		
	<p><b>KEY PLAN</b></p> <p><b>ADELAIDE STREET EXTENSION</b></p> <p><b>ARTHUR, ONTARIO</b></p>		
	Date:	March, 2022	
	Scale:	NTS	
	File No.:	E22448	
	Appendix:	A	



**APPENDIX B**  
**SITE PLAN**





**LEGEND**

Approximate Site Boundary - - - - -

	<p><b>CHUNG &amp; VANDER DOELEN</b> ENGINEERING LTD.</p> <p>311 Victoria Street North Kitchener / Ontario / N2H 5E1 519-742-8979</p>									
	<p><b>SITE PLAN</b></p> <p><b>ADELAIDE STREET EXTENSION</b></p> <p><b>ARTHUR, ONTARIO</b></p>		<table border="1"> <tr> <td>Date:</td> <td>March. 2022</td> </tr> <tr> <td>Scale:</td> <td>NTS</td> </tr> <tr> <td>File No.:</td> <td>E22448</td> </tr> <tr> <td>Appendix:</td> <td>B</td> </tr> </table>	Date:	March. 2022	Scale:	NTS	File No.:	E22448	Appendix:
Date:	March. 2022									
Scale:	NTS									
File No.:	E22448									
Appendix:	B									



**APPENDIX C**  
**AERIAL PHOTOGRAPHS**





**LEGEND**



Approximate Site Boundary - - - - -

	<p><b>CHUNG &amp; VANDER DOELEN</b> ENGINEERING LTD. 311 Victoria Street North Kitchener / Ontario / N2H 5E1 519-742-8979</p>									
	<p>AERIAL PHOTOGRAPH - 1954</p> <p>ADELAIDE STREET EXTENSION</p> <p>ARTHUR, ONTARIO</p>		<table border="1"> <tr> <td>Date:</td> <td>March. 2022</td> </tr> <tr> <td>Scale:</td> <td>NTS</td> </tr> <tr> <td>File No.:</td> <td>E22448</td> </tr> <tr> <td>Appendix:</td> <td>C</td> </tr> </table>	Date:	March. 2022	Scale:	NTS	File No.:	E22448	Appendix:
Date:	March. 2022									
Scale:	NTS									
File No.:	E22448									
Appendix:	C									



**LEGEND**



Approximate Site Boundary -----

	<b>CHUNG &amp; VANDER DOELEN</b> <b>ENGINEERING LTD.</b> 311 Victoria Street North Kitchener / Ontario / N2H 5E1 519-742-8979		
	AERIAL PHOTOGRAPH - 1969  ADELAIDE STREET EXTENSION  ARTHUR, ONTARIO	Date: Scale: File No.: Appendix:	March. 2022 NTS E22448 C



**LEGEND**

Approximate Site Boundary - - - - -

	<b>CHUNG &amp; VANDER DOELEN</b> <b>ENGINEERING LTD.</b> 311 Victoria Street North Kitchener / Ontario / N2H 5E1 519-742-8979		
	AERIAL PHOTOGRAPH - 2000  ADELAIDE STREET EXTENSION  ARTHUR, ONTARIO	Date: Scale: File No.: Appendix:	March. 2022 NTS E22448 C



**LEGEND**

Approximate Site Boundary - - - - -



**CHUNG & VANDER DOELEN**  
**ENGINEERING LTD.**  
 311 Victoria Street North  
 Kitchener / Ontario / N2H 5E1  
 519-742-8979





<b>AERIAL PHOTOGRAPH - 2010</b>  <b>ADELAIDE STREET EXTENSION</b>  <b>ARTHUR, ONTARIO</b>	Date:	March. 2022
	Scale:	NTS
	File No.:	E22448
	Appendix:	C



**LEGEND**

Approximate Site Boundary - - - - -

	<b>CHUNG &amp; VANDER DOELEN</b> <b>ENGINEERING LTD.</b> 311 Victoria Street North Kitchener / Ontario / N2H 5E1 519-742-8979		
	AERIAL PHOTOGRAPH - 2020  ADELAIDE STREET EXTENSION  ARTHUR, ONTARIO	Date: Scale: File No.: Appendix:	March. 2022 NTS E22448 C

**APPENDIX D**  
**SITE PHOTOGRAPHS**





Photograph 1: View from the southeast corner of the Site looking north west.



Photograph 2: View from the northeast corner of the Site looking south west



Photograph 3: View from the north side of the Site facing south.



Photograph 4: View a portion of the proposed road extension off Adelaide Street adjacent to Conestoga Street North.

# APPENDIX E CORRESPONDENCE



## Ministry of the Environment, Conservation and Parks

### Freedom of Information Request for Property Information

#### Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (\*) are mandatory.

**Are you: \***

- Submitting a new FOI Request for Property Information
- Paying a deposit or final fee for an existing FOI Request for Property Information

#### Section 1 – Description of Records Requested

##### Time Period for Records Requested

From (yyyy/mm/dd) \*

1986/01/01

To (yyyy/mm/dd) \*

2022/03/09

##### Type of Record(s) \*

- All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations
- Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:

<https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en>.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at:  
<https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>
- RSC records filed after July 2011 are available at:  
[https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc\\_search?request\\_locale=en](https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en)

Other Specific Document(s)

##### Type of Approval/Registration \*

- Drinking Water Licenses
- Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Permits to Take Water

Noise Vibrations Approvals/Registrations

Air Emissions Approvals/Registrations

Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Waste Water - Industrial discharge

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Company Name

Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

## Section 2 – Requester Information

Last Name \*

Thivierge

First Name \*

Michael

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") \*

CVD Engineering

Project/Reference Number (if applicable)

E22448

Are you submitting this request on behalf of a client? \*

Yes  No

### Mailing Address

Unit Number  Street Number \*  Street Name \*

PO Box  City/Town \*  Province \*  Postal Code \*

Telephone Number \*  ext.  Email Address \*

Is there an alternate contact (e.g. office admin)? \*

Yes  No

### Section 3 – Current Property Address Information

Is the property a:

Park  Lake  First Nation Band  Wind Farm  Federal Land  Island  Unsurveyed Land

Please upload a map of the property in Section 5 (Supporting Documentation)

Please upload a map of the property in Section 6 (Supporting Documentation)

Are you requesting information about multiple addresses? \*

Yes  No

### Property Address

Unit Number  Street Number  Street Name

Full Lot Number  Concession  Geographic Township

City/Town/Village \*

Closest Intersection

### Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? \*

Yes  No

### Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

#### Current Property Owner/Tenant

na NA  
Wellington  
Arthur

Owner Name  Date of Ownership (yyyy/mm/dd)

Tenant Name

## Section 6 – Supporting Documents

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Site Boundary.PNG

Total File Size

0.1 MB

Payment confirmation number: 23028539

**From:** [Public Information Services](#)  
**To:** [Michael Thivierge](#)  
**Subject:** RE: Inquiry- Vacant lot - Adelaide Street Extension  
**Date:** March 9, 2022 10:26:19 AM  
**Attachments:** [image001.png](#)  
[image003.png](#)

---

Hello,

If you do not have a municipal/Canada Post address, please provide a lot with a concession number.

Unfortunately, we are unable to search with the info provided.

Thank you,  
Sherees

---

**From:** Michael Thivierge <michael.thivierge@cvdengineering.com>  
**Sent:** March 8, 2022 4:08 PM  
**To:** Public Information Services <publicinformationservices@tssa.org>  
**Subject:** Inquiry- Vacant lot - Adelaide Street Extension

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

Good afternoon,

I am currently working on Phase I Environmental Site Assessment for a vacant undeveloped lot at the intersection of Conestoga Street North and Adelaide Street in Arthur, Ontario. I have included the Site boundaries for better understanding. I would appreciate any information the TSSA could provide in regards to any underground and/or aboveground storage tanks on the property at your earliest convenience.

Thank-you,



CVD is proud to announce our expansion and the opening of our new office in January 2022, located at 48 Main Street South, Unit F, Saint George, ON! We look forward to servicing our clients within the Saint George and surrounding areas. Please contact us for any upcoming proposals or projects at 519-742-8979.

**MICHAEL THIVIERGE, B.Sc. (Hons)**

ENVIRONMENTAL SCIENTIST



**CHUNG & VANDER DOELEN**  
ENGINEERING LTD.

c. 613 583 5575  
e. [michael.thivierge@cvdengineering.com](mailto:michael.thivierge@cvdengineering.com)  
w. [cvdengineering.com](http://cvdengineering.com)  
a. 311 Victoria St N, Kitchener, ON, N2H 5E1  
t. 519 742 8979 | f. 519 742 7739

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**APPENDIX F**  
**ERIS REPORT**





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# DATABASE REPORT

**Project Property:** *Phase I ESA - Adelaide St. Extension,  
Arthur  
n/a  
Arthur ON*

**Project No:** *E22448*

**Report Type:** *Standard Select Report*

**Order No:** *22030800892*

**Requested by:** *Chung & Vander Doelen Engineering Ltd.*

**Date Completed:** *March 11, 2022*

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# Executive Summary

## Property Information:

**Project Property:** *Phase I ESA - Adelaide St. Extension, Arthur  
n/a Arthur ON*

**Project No:** *E22448*

## **Coordinates:**

**Latitude:** *43.8371054*  
**Longitude:** *-80.5427402*  
**UTM Northing:** *4,853,882.35*  
**UTM Easting:** *536,760.57*  
**UTM Zone:** *17T*

**Elevation:** *1,499 FT  
456.85 M*

## Order Information:

**Order No:** *22030800892*  
**Date Requested:** *March 8, 2022*  
**Requested by:** *Chung & Vander Doelen Engineering Ltd.*  
**Report Type:** *Standard Select Report*

## Historical/Products:

**Aerial Photographs** *Aerials - National Collection*

## Executive Summary: Report Summary

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

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
INC	<i>Fuel Oil Spills and Leaks</i>	N	-	-	-
LIMO	<i>Landfill Inventory Management Ontario</i>	N	-	-	-
MINE	<i>Canadian Mine Locations</i>	N	-	-	-
MNR	<i>Mineral Occurrences</i>	N	-	-	-
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	N	-	-	-
NCPL	<i>Non-Compliance Reports</i>	N	-	-	-
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	N	-	-	-
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	N	-	-	-
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	N	-	-	-
NEBI	<i>National Energy Board Pipeline Incidents</i>	N	-	-	-
NEBP	<i>National Energy Board Wells</i>	N	-	-	-
NEES	<i>National Environmental Emergencies System (NEES)</i>	N	-	-	-
NPCB	<i>National PCB Inventory</i>	N	-	-	-
NPRI	<i>National Pollutant Release Inventory</i>	N	-	-	-
OGWE	<i>Oil and Gas Wells</i>	N	-	-	-
OGW	<i>Ontario Oil and Gas Wells</i>	N	-	-	-
OPCB	<i>Inventory of PCB Storage Sites</i>	N	-	-	-
ORD	<i>Orders</i>	N	-	-	-
PAP	<i>Canadian Pulp and Paper</i>	N	-	-	-
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	N	-	-	-
PES	<i>Pesticide Register</i>	N	-	-	-
PINC	<i>Pipeline Incidents</i>	N	-	-	-
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	1	1
PTTW	<i>Permit to Take Water</i>	N	-	-	-
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	N	-	-	-
RSC	<i>Record of Site Condition</i>	N	-	-	-
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	2	2
SRDS	<i>Wastewater Discharger Registration Database</i>	N	-	-	-
TANK	<i>Anderson's Storage Tanks</i>	N	-	-	-
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	N	-	-	-
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	N	-	-	-
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	N	-	-	-
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	N	-	-	-
WWIS	<i>Water Well Information System</i>	N	-	-	-
<b>Total:</b>			<b>0</b>	<b>3</b>	<b>3</b>

## Executive Summary: Site Report Summary - Project Property

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

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

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#"><u>1</u></a>	PRT	ARTHUR CHRYSLER PLYMOUTH LTD	300 WALTON ST ARTHUR ON	SE/145.2	0.71	<a href="#"><u>12</u></a>
<a href="#"><u>2</u></a>	SPL		171 Conestoga Street North, Arthur, ON Wellington North ON	NE/187.8	3.02	<a href="#"><u>12</u></a>
<a href="#"><u>3</u></a>	SPL	Union Gas Limited	300 St Andrew St WEST Wellington North ON	N/249.9	2.71	<a href="#"><u>12</u></a>

# Executive Summary: Summary By Data Source

## **PRT - Private and Retail Fuel Storage Tanks**

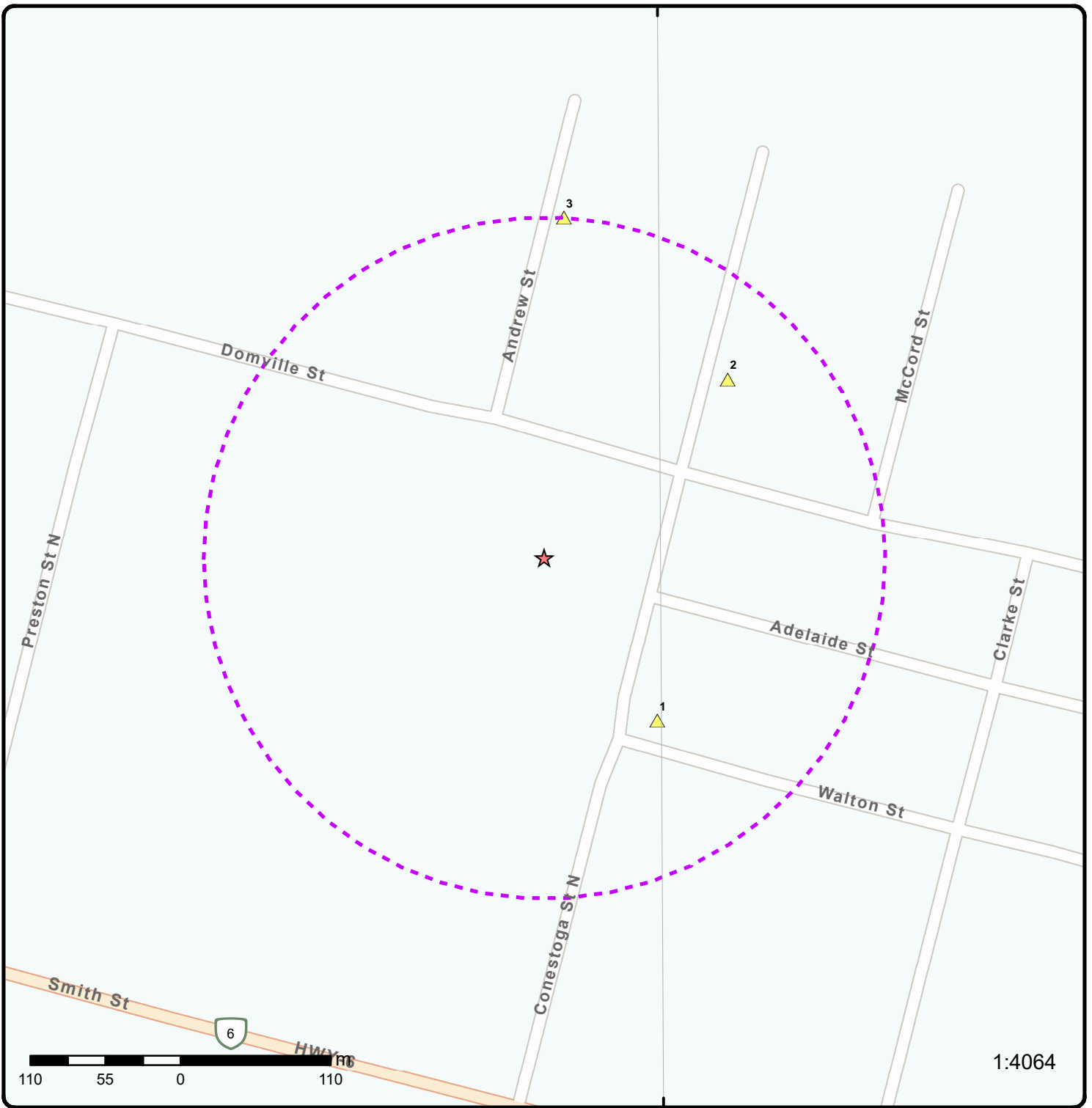
A search of the PRT database, dated 1989-1996\* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ARTHUR CHRYSLER PLYMOUTH LTD	300 WALTON ST ARTHUR ON	SE	145.16	<a href="#"><u>1</u></a>

## **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	171 Conestoga Street North, Arthur, ON Wellington North ON	NE	187.79	<a href="#"><u>2</u></a>
Union Gas Limited	300 St Andrew St WEST Wellington North ON	N	249.90	<a href="#"><u>3</u></a>



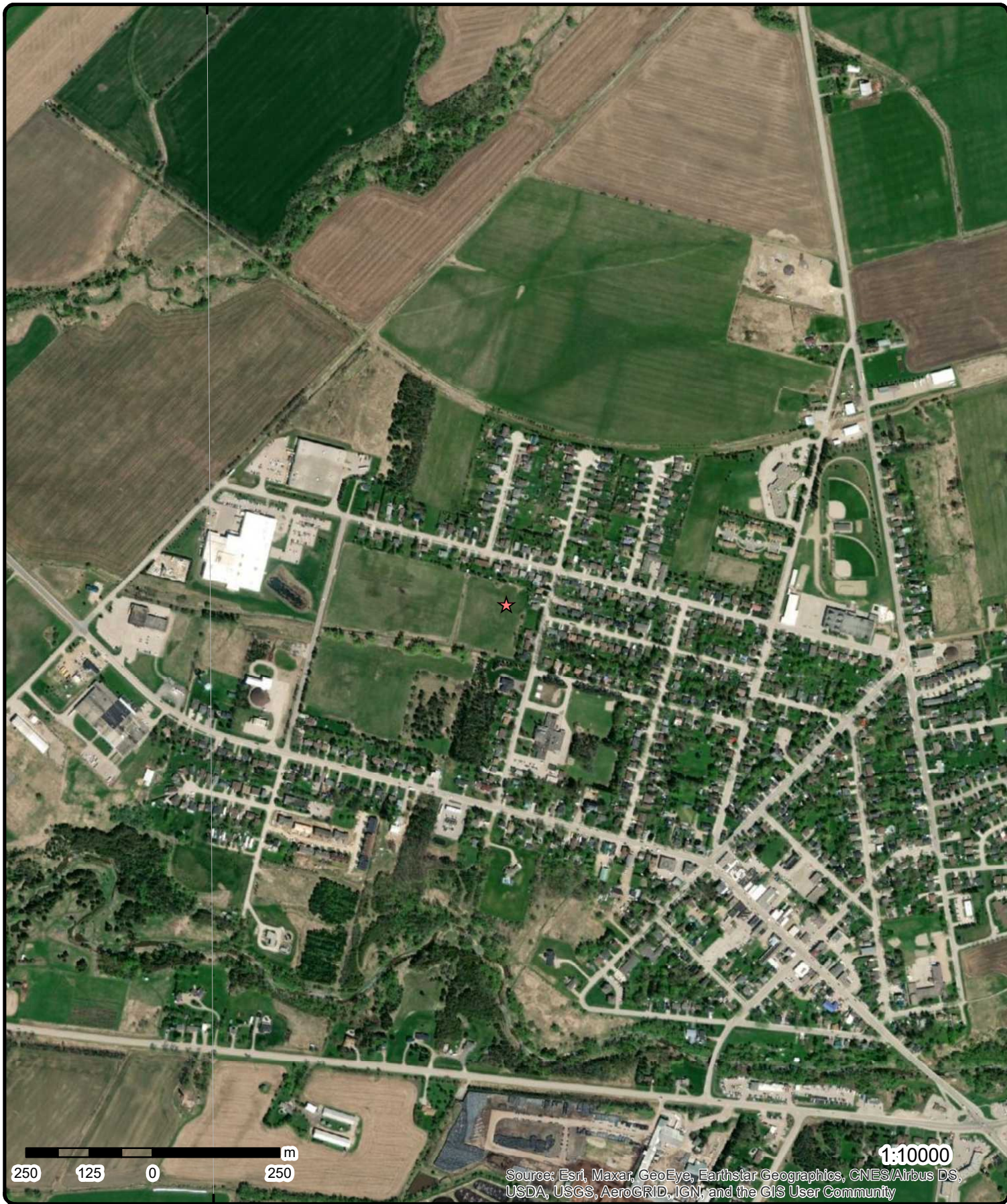
### Map: 0.25 Kilometer Radius

Order Number: 22030800892

Address: n/a, Arthur, ON



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



**Aerial** Year: 2018

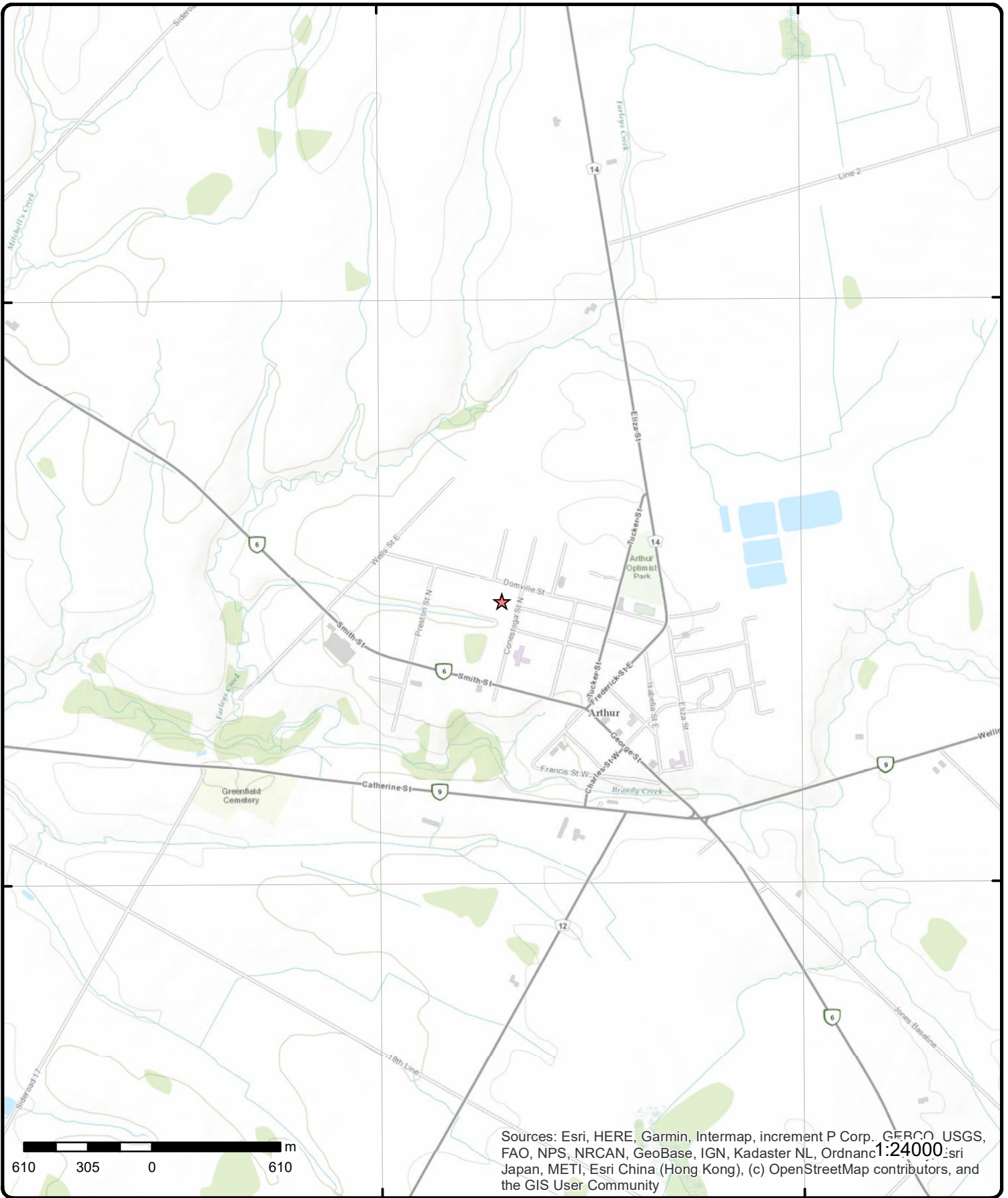
**Address:** n/a, Arthur, ON

Source: ESRI World Imagery

Order Number: 22030800892



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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

# Topographic Map

Order Number: 22030800892

Address: n/a, ON



Source: ESRI World Topographic Map

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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	<b>SE/145.2</b>	<b>457.6 / 0.71</b>	<b>ARTHUR CHRYSLER PLYMOUTH LTD 300 WALTON ST ARTHUR ON</b>	<b>PRT</b>
<b>Location ID:</b> 1046 <b>Type:</b> private <b>Expiry Date:</b> 1993-08-31 <b>Capacity (L):</b> 0.00 <b>Licence #:</b> 0038176001					
<u>2</u>	1 of 1	<b>NE/187.8</b>	<b>459.9 / 3.02</b>	<b>171 Conestoga Street North, Arthur, ON Wellington North ON</b>	<b>SPL</b>
<b>Ref No:</b> 8807-BBT29F <b>Site No:</b> NA <b>Incident Dt:</b> 5/2/2019 <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Fire/Explosion <b>Contaminant Code:</b> 14 <b>Contaminant Name:</b> TAR <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> 1999 <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> Land <b>MOE Response:</b> No <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 5/2/2019 <b>Dt Document Closed:</b> 6/1/2019 <b>Incident Reason:</b> Equipment Failure <b>Site Name:</b> 171 Conestoga Street North, Arthur, ON<UNOFFICIAL> <b>Site County/District:</b> County of Wellington <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> Wellington North FD: 18L sealer/tar to house and driveway <b>Contaminant Qty:</b> 18 L		<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> 2 - Minor Environment <b>Client Type:</b> <b>Sector Type:</b> Miscellaneous Communal <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 171 Conestoga Street North, Arthur, ON <b>Site District Office:</b> Guelph <b>Site Postal Code:</b> <b>Site Region:</b> West Central <b>Site Municipality:</b> Wellington North <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> 4854015.55 <b>Easting:</b> 536918.96 <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> Land Spills <b>Source Type:</b> Container/Drum/Tote			
<u>3</u>	1 of 1	<b>N/249.9</b>	<b>459.6 / 2.71</b>	<b>Union Gas Limited 300 St Andrew St WEST Wellington North ON</b>	<b>SPL</b>
<b>Ref No:</b> 5855-9B8UE7 <b>Site No:</b> <b>Incident Dt:</b> 2013/09/04 <b>Year:</b> <b>Incident Cause:</b> Leak/Break <b>Incident Event:</b> <b>Contaminant Code:</b> 35 <b>Contaminant Name:</b> NATURAL GAS (METHANE) <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b>		<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> Pipeline/Components <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 300 St Andrew St WEST <b>Site District Office:</b> <b>Site Postal Code:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	Confirmed			<b>Site Municipality:</b>	Wellington North
<b>Nature of Impact:</b>	Air Pollution			<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>	Referral to others			<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	2013/09/04			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>	2013/10/10			<b>SAC Action Class:</b>	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
<b>Incident Reason:</b>	Operator/Human Error			<b>Source Type:</b>	
<b>Site Name:</b>	commercial<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>		TSSA FSB: main line damage, safe			
<b>Contaminant Qty:</b>		0 other - see incident description			

# Unplottable Summary

Total: **9** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
GEN	Wellington North Power	Preston Street Substation	Arthur ON	N0G 1A0
GEN	WCECC No 203	Preston Street	Arthur ON	N0G1A0
GEN	FACCA INCORPORATED	SMITH STREET	ARTHUR ON	N0G 1A0
GEN	WCECC No 203	Preston Street	Arthur ON	N0G1A0
SPL	The Corporation of the Township of Wellington North	Preston Street	Wellington North ON	
SPL	The Corporation of the Township of Wellington North	Preston Street	Wellington North ON	
SPL	The Corporation of the Township of Wellington North	Preston Street	Wellington North ON	
SPL	The Corporation of the Township of Wellington North; Ontario Clean Water Agency	Preston Street	Wellington North ON	
SPL	ONTARIO CLEAN WATER AGENCY	CONESTOGA RIVER FROM OCWA LIFT STATION LOCATED ON WELL STREET IN ARTHUR PUMP STATION ON WELL STREET, ARTHUR (519) 848-5595	WELLINGTON NORTH TOWNSHIP ON	

# Unplottable Report

**Site:** Wellington North Power  
Preston Street Substation Arthur ON N0G 1A0

**Database:**  
GEN

**Generator No:** ON8353250  
**SIC Code:** 221111  
**SIC Description:** Hydro-Electric Power Generation  
**Approval Years:** 07,08  
**PO Box No:**  
**Country:**

**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contam. Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 243  
**Waste Class Desc:** PCB'S

**Site:** WCECC No 203  
Preston Street Arthur ON N0G1A0

**Database:**  
GEN

**Generator No:** ON2757975  
**SIC Code:**  
**SIC Description:**  
**Approval Years:** As of Dec 2018  
**PO Box No:**  
**Country:** Canada

**Status:** Registered  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contam. Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 150 L  
**Waste Class Desc:** Inert organic wastes

**Site:** FACCA INCORPORATED  
SMITH STREET ARTHUR ON N0G 1A0

**Database:**  
GEN

**Generator No:** ON8316170  
**SIC Code:** 237310  
**SIC Description:** Highway Street and Bridge Construction  
**Approval Years:** 07,08  
**PO Box No:**  
**Country:**

**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contam. Facility:**  
**MHSW Facility:**

**Site:** WCECC No 203  
Preston Street Arthur ON N0G1A0

**Database:**  
GEN

**Generator No:** ON2757975  
**SIC Code:** 531390  
**SIC Description:** OTHER ACTIVITIES RELATED TO REAL ESTATE  
**Approval Years:** 2016  
**PO Box No:**  
**Country:** Canada

**Status:**  
**Co Admin:**  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:**  
**Contam. Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES

**Site:** The Corporation of the Township of Wellington North  
Preston Street Wellington North ON

**Database:**  
SPL

**Ref No:** 0572-5RYGUW  
**Site No:**  
**Incident Dt:** 10/3/2003  
**Year:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Event:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,RAW CHLORINATED  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Human Health/Safety; Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/3/2003  
**Dt Document Closed:**  
**Incident Reason:** Power Interruption - Loss of electrical power  
**Site Name:** ARTHUR WASTEWATER TREATMENT PLANT  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Frederick St PStn,5 Gal/min sewage to Conestoga  
**Contaminant Qty:** other - see incident description

**Discharger Report:**  
**Material Group:** Waste  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Plant - Sewage Municipal  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Guelph  
**Site Postal Code:**  
**Site Region:** West Central  
**Site Municipality:** Wellington North  
**Site Lot:**  
**Site Conc:**  
**Northing:** NA  
**Easting:** NA  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spill to Inland Watercourses  
**Source Type:**

**Site:** The Corporation of the Township of Wellington North  
Preston Street Wellington North ON

**Database:**  
SPL

**Ref No:** 4274-5QCT9F  
**Site No:**  
**Incident Dt:** 8/12/2003  
**Year:**  
**Incident Cause:** Derailment  
**Incident Event:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,PRIMARY CHLORINATED  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/12/2003  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure  
**Site Name:** ARTHUR WASTEWATER TREATMENT PLANT  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Arthur WWTP - anticipated spill/bypass  
**Contaminant Qty:** 2000 m3

**Discharger Report:**  
**Material Group:** Waste  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Plant - Sewage Municipal  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Guelph  
**Site Postal Code:**  
**Site Region:** West Central  
**Site Municipality:** Wellington North  
**Site Lot:**  
**Site Conc:**  
**Northing:** NA  
**Easting:** NA  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spill to Inland Watercourses; Spills  
**Source Type:**

**Site:** The Corporation of the Township of Wellington North  
Preston Street Wellington North ON

**Database:**  
SPL

**Ref No:** 0761-64CQ9U  
**Site No:**  
**Incident Dt:** 8/30/2004  
**Year:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse

**Discharger Report:**  
**Material Group:** Waste  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other

**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** SEWAGE  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Human Health/Safety; Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/30/2004  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** ARTHUR WASTEWATER TREATMENT PLANT  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Arthur Pumping Station: Possible Sewage Spill  
**Contaminant Qty:**

**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Guelph  
**Site Postal Code:**  
**Site Region:** West Central  
**Site Municipality:** Wellington North  
**Site Lot:**  
**Site Conc:**  
**Northing:** NA  
**Easting:** NA  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Notification  
**Source Type:**

**Site:** *The Corporation of the Township of Wellington North; Ontario Clean Water Agency*  
 Preston Street Wellington North ON **Database:**  
SPL

**Ref No:** 3260-5VZTJY  
**Site No:**  
**Incident Dt:** 2/9/2004  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:** 44  
**Contaminant Name:** SEWAGE,RAW UNCHLORINATED  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2/9/2004  
**Dt Document Closed:**  
**Incident Reason:**  
**Site Name:** ARTHUR WASTEWATER TREATMENT PLANT  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Arthur WWTP - bypassing due to pump failure.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:** Waste  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Plant - Sewage Municipal  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Guelph  
**Site Postal Code:**  
**Site Region:** West Central  
**Site Municipality:** Wellington North  
**Site Lot:**  
**Site Conc:**  
**Northing:** NA  
**Easting:** NA  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spills  
**Source Type:**

**Site:** *ONTARIO CLEAN WATER AGENCY*  
 CONESTOGA RIVER FROM OCWA LIFT STATION LOCATED ON WELL STREET IN ARTHUR PUMP STATION ON  
 WELL STREET, ARTHUR (519) 848-5595 WELLINGTON NORTH TOWNSHIP ON **Database:**  
SPL

**Ref No:** 210608  
**Site No:**  
**Incident Dt:** 8/3/2001  
**Year:**  
**Incident Cause:** WASTEWATER DISCHARGE TO WATERCOURSE  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 75617

**Nature of Impact:** Water course or lake  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/3/2001  
**Dt Document Closed:**  
**Incident Reason:** EQUIPMENT FAILURE  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:**  
**Contaminant Qty:**

**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

OCWA - UNKNOWN AMOUNT OF SEWAGE TO THE CONESTOGA R. FROM PUMPING STATION.

## Appendix: Database Descriptions

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

### **Abandoned Aggregate Inventory:**

Provincial

[AAGR](#)

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

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial

[AGR](#)

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

**Government Publication Date: Up to Nov 2021**

### **Abandoned Mine Information System:**

Provincial

[AMIS](#)

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

**Government Publication Date: 1800-Oct 2018**

### **Anderson's Waste Disposal Sites:**

Private

[ANDR](#)

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

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial

[AST](#)

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

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private

[AUWR](#)

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

**Government Publication Date: 1999-Sep 30, 2021**

### **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 2019**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

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

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

**Government Publication Date: May 31, 2021**

**Chemical Manufacturers and Distributors:**

Private CHEM

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

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

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

**Government Publication Date: 1999-Sep 30, 2021**

**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 -Nov 2021**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial COAL

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

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial CONV

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

**Government Publication Date: 1989-Jul 2021**

**Certificates of Property Use:**

Provincial CPU

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

**Government Publication Date: 1994 - Jan 31, 2022**

**Drill Hole Database:**

Provincial

DRL

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

**Government Publication Date: 1886 - Sep 2020**

**Delisted Fuel Tanks:**

Provincial

DTNK

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

**Government Publication Date: May 31, 2021**

**Environmental Activity and Sector Registry:**

Provincial

EASR

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

**Government Publication Date: Oct 2011- Jan 31, 2021**

**Environmental Registry:**

Provincial

EBR

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

**Government Publication Date: 1994 - Jan 31, 2022**

**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- Jan 31, 2021**

**Environmental Effects Monitoring:**

Federal

EEM

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

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private

EHS

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

**Government Publication Date: 1999-Nov 30, 2021**

**Environmental Issues Inventory System:**

Federal

EIIS

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

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

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

**Government Publication Date: Dec 31, 2016**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

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

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

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

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

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

**Government Publication Date: May 31, 2020**

**Federal Convictions:**

Federal **FCON**

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

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

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

**Government Publication Date: Jun 2000-Nov 2021**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

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

**Government Publication Date: 1964-Sep 2019**

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

Federal **FRST**

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

**Government Publication Date: May 31, 2018**

**Fuel Storage Tank:**

Provincial **FST**

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

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

**Government Publication Date: May 31, 2021**

**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, 2021**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

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

**Government Publication Date: 2013-Dec 2019**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

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

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

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

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

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

**Government Publication Date: May 31, 2021**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

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

**Government Publication Date: Feb 28, 2019**

**Canadian Mine Locations:**

Private

[MINE](#)

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

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial

[MNR](#)

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

**Government Publication Date: 1846-Dec 2020**

**National Analysis of Trends in Emergencies System (NATES):**

Federal

[NATE](#)

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

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial

[NCPL](#)

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

**Government Publication Date: Dec 31, 2020**

**National Defense & Canadian Forces Fuel Tanks:**

Federal

[NDFT](#)

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

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal

[NDSP](#)

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

**Government Publication Date: Mar 1999-Apr 2018**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal

[NDWD](#)

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

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal

[NEBI](#)

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

**Government Publication Date: 2008-Jun 30, 2021**

**National Energy Board Wells:**

Federal

[NEBP](#)

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

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

NEES

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

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

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

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

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

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGWE

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

**Government Publication Date: 1988-Nov 30, 2021**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

**Government Publication Date: 1800-Jan 2021**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

**Orders:**

Provincial

ORD

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

**Government Publication Date: 1994 - Jan 31, 2022**

**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- Jan 31, 2021**

**Pipeline Incidents:**

Provincial PINC

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

**Government Publication Date: May 31, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

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

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

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

**Government Publication Date: 1994 - Jan 31, 2022**

**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, 1992-2019**

**Record of Site Condition:**

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2022**

**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-Sep 30, 2021**

**Scott's Manufacturing Directory:**

Private SCT

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

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

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

**Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021**

**Wastewater Discharger Registration Database:**

Provincial

[SRDS](#)

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

**Government Publication Date: 1990-Dec 31, 2019**

**Anderson's Storage Tanks:**

Private

[TANK](#)

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

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal

[TCFT](#)

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

**Government Publication Date: 1970 - Dec 2020**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial

[VAR](#)

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

Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial

[WDS](#)

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

**Government Publication Date: Oct 2011- Jan 31, 2021**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial

[WDSH](#)

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

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

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

**Government Publication Date: Sep 30, 2021**

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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

**APPENDIX G**  
**QUALIFICATIONS OF**  
**ASSESSOR**



## Environmental Site Assessor

Mr. Lefebvre has over 25 years of experience in environmental assessment and project management providing site investigation, remediation services, for the industrial, commercial and municipal sectors. Mr. Lefebvre extensive experience in environmental management, environmental auditing, remedial design, project implementation, environmental clean up, and site decommissioning.

Mr. Lefebvre has specialized in the development and implementation of environmental work plans and programs for a broad range of clients in the property management, insurance, automotive, chemical, manufacturing and transportation sectors.

## Education

- Bachelor of Environmental Studies, University of Waterloo, 1986

## Professional Affiliations

- Association of Professional Geoscientists of Ontario.
- Mr. Lefebvre is currently registered as a “Qualified Person (ESA)” as described in the amended Ontario Regulation 153/04.

## Project Experience

Mr. Lefebvre has conducted over 1000 Phase I and Phase II Environmental Site Assessments (ESA's) for various commercial and industrial properties including service stations, shopping plazas, apartment buildings and industrial manufacturing facilities.

Phase I and Phase II ESA's have also been prepared to support the submission of a Record of Site Condition (RSC) to the Ministry of the Environment.

Mr. Lefebvre has conducted numerous major environmental decommissioning projects. His areas of expertise include regulatory liaison, industrial plant decommissioning, spill cleanup, reclamation, and site rehabilitation.

Mr. Lefebvre conducted *compliance audits* in various industrial settings over the past four years and has assisted in the preparation of companies for ISO 14001 registration. Mr. Lefebvre has conducted compliance audits for the automotive, packaging sector and conducted numerous pre-acquisition environmental compliance audits throughout Ontario, for the insurance, property acquisition and banking industry.

Mr. Lefebvre has supervised over 100 underground storage tank removal projects and provided direction for further remedial activities when required.

**Environmental  
Site  
Assessor**

Mr. Thivierge has over one year of experience in environmental assessment and inspection, providing and overseeing site investigations for the industrial, commercial and municipal sectors.

Mr. Thivierge has specialized in the environmental inspection and assessment of residential, commercial, and industrial properties for a broad range of clients in the property management, insurance, and manufacturing sectors.

**Education**

- Honours Bachelor of Science, Environmental Science and Geography – McMaster University, 2019

**Project  
Experience**

Mr. Thivierge has conducted over 50 Phase I Environmental Site Assessments for various residential, commercial, and industrial properties including but not limited to manufacturing facilities, public institutions, automotive repair shops, and business parks. Mr. Thivierge has overseen and assisted with over 25 Phase II Environmental Site Assessments and Excess Soil sampling projects.

Additionally, Mr. Thivierge has conducted field work for a variety of other environmental services including hydrogeological investigations, geotechnical investigations, surface water quality assessments and excess soil management.