



FINAL

Phase One Environmental Site Assessment

465 Garafraxa Street West
Township of Centre Wellington, Ontario

Prepared for:

Habitat for Humanity
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Guelph, Ontario N1H 1A6

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TABLE OF CONTENTS

| | |
|---|----|
| EXECUTIVE SUMMARY | 1 |
| 1.0 INTRODUCTION..... | 1 |
| 1.1 Phase One Property Information | 1 |
| 2.0 SCOPE OF INVESTIGATION..... | 3 |
| 3.0 RECORDS REVIEW | 3 |
| 3.1 General | 3 |
| 3.1.1 Phase One Study Area Determination..... | 4 |
| 3.1.2 First Developed Use Determination | 4 |
| 3.1.3 Fire Insurance Plans | 5 |
| 3.1.4 Chain of Title | 6 |
| 3.1.5 Environmental Reports | 7 |
| 3.1.5.1 Previous Environmental Report Summary | 10 |
| 3.2 Environmental Source Information | 10 |
| 3.2.1 Environmental Database Search – ERIS..... | 10 |
| 3.2.1.1 National Pollutant Release Inventory | 11 |
| 3.2.1.2 Ontario Inventory of PCB Storage Sites..... | 11 |
| 3.2.1.3 National PCB Inventory | 12 |
| 3.2.1.4 Certificates of Approval..... | 12 |
| 3.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use | 13 |
| 3.2.1.6 Inventory of Coal Gasification Plants..... | 14 |
| 3.2.1.7 Environmental Incidents, Orders, Offences and Spills | 15 |
| 3.2.1.8 Waste Management Records | 15 |
| 3.2.1.9 Fuel Storage Tanks | 17 |
| 3.2.1.10 Notices and Instruments | 17 |
| 3.2.1.11 Areas of Natural Significance | 18 |
| 3.2.1.12 Landfill Information | 18 |
| 3.2.1.13 Other ERIS Databases | 19 |
| 3.2.2 Ministry of the Environment, Conservation and Parks Freedom of Information Search..... | 20 |
| 3.2.3 Technical Standards and Safety Authority Search | 20 |
| 3.2.4 Property Underwriters’ Reports and Plans | 21 |
| 3.2.5 City Directories..... | 21 |
| 3.3 Physical Setting Sources | 21 |
| 3.3.1 Aerial Photographs | 21 |
| 3.3.2 Topography, Hydrology and Geology | 23 |
| 3.3.3 Fill Materials | 24 |
| 3.3.4 Water Bodies, Areas of Natural Significance and Groundwater Information..... | 24 |
| 3.3.5 Well Records..... | 24 |
| 3.4 Site Operating Records | 25 |
| 4.0 INTERVIEWS..... | 26 |
| 5.0 SITE RECONNAISSANCE | 26 |
| 5.1 General Requirements | 26 |
| 5.2 Specific Observations at Phase One Property | 27 |
| 5.2.1 Description of Buildings and Structures..... | 27 |
| 5.2.2 Description of Below-Ground Structures | 27 |



| | | |
|--------|--|-----------|
| 5.2.3 | Description of Tanks | 27 |
| 5.2.4 | Potable and Non-Potable Water Sources | 27 |
| 5.2.5 | Description and Location of Underground Utilities | 27 |
| 5.2.6 | Entry and Exit Points | 28 |
| 5.2.7 | Details of Heating System | 28 |
| 5.2.8 | Details of Cooling System | 28 |
| 5.2.9 | Details of Drains, Pits and Sumps | 28 |
| 5.2.10 | Unidentified Substances within Buildings and Structures | 28 |
| 5.2.11 | Details of Staining and Corrosion | 28 |
| 5.2.12 | Details of On-Site Wells | 28 |
| 5.2.13 | Details of Sewage Works | 28 |
| 5.2.14 | Details of Ground Cover | 29 |
| 5.2.15 | Details of Current or Former Railways | 29 |
| 5.2.16 | Areas of Stained Soil, Vegetation and Pavement | 29 |
| 5.2.17 | Areas of Stressed Vegetation | 29 |
| 5.2.18 | Areas of Fill and Debris Materials | 29 |
| 5.2.19 | Potentially Contaminating Activities | 29 |
| 5.2.20 | Unidentified Substances Outside Buildings and Structures | 29 |
| 5.2.21 | Surrounding Land Uses | 29 |
| 5.3 | Enhanced Investigation Property | 31 |
| 5.3.1 | Site Operations | 31 |
| 5.3.2 | Hazardous Materials | 31 |
| 5.3.3 | Products Manufactured | 31 |
| 5.3.4 | By-Products and Wastes | 31 |
| 5.3.5 | Raw Materials Handling and Storage | 31 |
| 5.3.6 | Drums, Totes and Bins | 31 |
| 5.3.7 | Oil/Water Separators | 32 |
| 5.3.8 | Vehicle and Equipment Maintenance | 32 |
| 5.3.9 | Spills | 32 |
| 5.3.10 | Liquid Discharge Points | 32 |
| 5.3.11 | Processing and Manufacturing Operations/Equipment | 32 |
| 5.3.12 | Hydraulic Equipment | 32 |
| 5.3.13 | Potentially Contaminating Activities | 32 |
| 5.4 | Written Description of Investigation | 32 |
| 5.4.1 | Phase One Property | 32 |
| 5.4.2 | Phase One Study Area Outside of Phase One Property | 33 |
| 6.0 | REVIEW AND EVALUATION OF INFORMATION | 34 |
| 6.1 | Current and Past Uses | 34 |
| 6.2 | Potentially Contaminating Activities | 34 |
| 6.3 | Areas of Potential Environmental Concern | 35 |
| 6.4 | Phase One Conceptual Site Model | 36 |
| 7.0 | CONCLUSIONS | 37 |
| 7.1 | Signatures | 38 |
| 7.2 | Terms and Limitations | 39 |
| 8.0 | REFERENCES | 40 |
| 9.0 | APPENDICES | 1 |



APPENDICES

| | |
|------------|-------------------------------|
| APPENDIX A | Tables |
| APPENDIX B | Figures |
| APPENDIX C | Photographs |
| APPENDIX D | Survey Plan |
| APPENDIX E | Opta Records |
| APPENDIX F | Chain of Title Search Results |
| APPENDIX G | ERIS Report |
| APPENDIX H | MECP FOI Search Results |
| APPENDIX I | TSSA Search Results |
| APPENDIX J | Aerial Photographs |
| APPENDIX K | Maps |

TABLES

| | |
|---------|--|
| Table 1 | Table of Current and Past Uses of the Phase One Property |
| Table 2 | Table of Potentially Contaminating Activities |
| Table 3 | Table of Areas of Potential Environmental Concern |

FIGURES

| | |
|----------|---|
| Figure 1 | Key Map |
| Figure 2 | Phase One Property |
| Figure 3 | Phase One Study Area |
| Figure 4 | Potentially Contaminating Activities – On-Site |
| Figure 5 | Potentially Contaminating Activities – Off-Site |
| Figure 6 | Areas of Potential Environmental Concern |



EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Habitat for Humanity (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 465 Garafraxa Street West in Township of Centre Wellington, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently vacant and undeveloped, free of any permanent structures or buildings.

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 214/21 on March 19, 2021 (O. Reg. 153/04). The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property.

This Phase One ESA was conducted at the request of the Client as a condition for the future purchase and redevelopment of the Phase One Property. It is Pinchin's understanding that the Phase One Property will be redeveloped from its current industrial land use to residential land use. Given that this constitutes a change to a more sensitive land use, the filing of a Record of Site Condition (RSC) for the Phase One Property with the Ontario Ministry of the Environment, Conservation and Parks (MECP) is a mandatory requirement of O. Reg. 153/04. As such, this Phase One ESA report has been prepared in accordance with O. Reg. 153/04 to support the filing of an RSC for the Phase One Property.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 in support of filing an RSC and was comprised of the following:

- **A Records Review:** Reviewed available current and historical information sources pertaining to the Phase One Property and Phase One Study Area including the use of, but not limited to, aerial photographs, Fire Insurance Plans, chain of title search results, historical environmental assessments relevant to the Phase One Property and a regulatory data base search. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exists, including searches of MECP and Technical Standards and Safety Authority records.
- **Interviews:** Conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area.



- Site Reconnaissance: Completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs).
- Evaluation: Evaluated the information gathered from the records review, interviews and Site reconnaissance.
- Reporting: Prepared a Phase One ESA report.
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property consists of one legal lot situated at the municipal address of 465 Garafraxa Street West, Township of Centre Wellington, Ontario and is currently owned by A.O. Smith Enterprises Ltd. The Phase One Property is located on the north side of Garafraxa Street West, approximately 90 m southwest of the intersection of Garafraxa Street West and Maiden Lane.

The current and past land uses of the Phase One Property are listed in Table 1. To the best of Pinchin's knowledge and based on a review of aerial photographs provided by ERIS and reviewed by Pinchin, the Phase One Property has been vacant and undeveloped, free of any permanent structures or buildings since at least 1930, with exception to a railway line visible in the 1976, 1980 and 1990 aerial photographs. It is Pinchin's opinion that no building or structure has historically been constructed on the Phase One Property and historical land uses consist of industrial and agricultural or vacant and undeveloped. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs and previous reports. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

Based on the findings of this Phase One ESA, Pinchin identified two PCAs at the Phase One Property (i.e., on-Site) and seven PCAs within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) as summarized in Table 2. Of the off-Site PCAs, four are not considered to result in APECs at the Phase One Property given their distance from the Phase One Property and/or their downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property. The remaining three off-Site PCAs and the two on-Site PCAs result in a total of five APECs at the Phase One Property. It is Pinchin's opinion that these five PCAs may have caused contamination of soil and groundwater at the Phase One Property and, as such, the identified APECs at the Phase One Property warrant further investigation prior to the submission of an RSC.

All APECs identified during the Phase One ESA, as well as their respective PCAs, contaminants of potential concern (COPCs) and the media which could potentially be impacted, are summarized in Table 3.



The COPCs associated with each APEC were determined based on several sources of information including, but not limited to, Pinchin’s experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants and point sources, literature reviews of COPCs and associated hazardous substances, and evaluations of contaminant mobility and susceptibility for migration in the subsurface.

Pinchin recommends that a Phase Two ESA, defined as an “assessment of property conducted in accordance with the regulations by or under the supervision of a qualified person to determine the location and concentration of one or more contaminants in the land or water on, in or under the property”, be conducted at the Phase One Property. Pinchin concludes that one or more contaminants originating from PCAs located on the Phase One Property and within the Phase One Study Area outside of the Phase One Property may have affected land or water on, in, or under the Phase One Property. Therefore, Pinchin recommends that a Phase Two ESA be conducted prior to filing an RSC for the Phase One Property.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

This report has been issued without having received responses from requests for information sent to the Ontario Ministry of the Environment, Conservation and Parks and Technical Standards and Safety Authority. Once responses from these regulatory bodies are received, the information will be incorporated into a revised version of this report. Our conclusions and recommendations may be amended based on this information.



1.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is, or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 274/20 on July 1, 2020 (O. Reg. 153/04), the purpose of a Phase One ESA is two-fold:

- To obtain and review records that relate to the Phase One Property, and to the current and past uses of and activities at or affecting the Phase One Property, in order to determine if an area of potential environmental concern (APEC) exists and to interpret any APEC; and
- To obtain and review records that relate to properties in the Phase One Study Area, other than the Phase One Property, in order to determine if a potentially contaminating activity (PCA) exists and interpret whether any such PCA results in an APEC at the Phase One Property.

This Phase One ESA was conducted at the request of the Client as a condition for the future purchase and redevelopment of the Phase One Property. It is Pinchin's understanding that the Phase One Property will be redeveloped from its current industrial land use to residential land use. Given that this constitutes a change to a more sensitive land use, the filing of a Record of Site Condition (RSC) for the Phase One Property with the Ontario Ministry of the Environment, Conservation and Parks (MECP) is a mandatory requirement of O. Reg. 153/04. As such, this Phase One ESA report has been prepared in accordance with O. Reg. 153/04 to support the filing of an RSC for the Phase One Property.

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from October 2021 to November 2021, which included the records review, Site reconnaissance, interviews and reporting.

1.1 Phase One Property Information

The Phase One Property consists of one legal lot situated at civic address 465 Garafraxa Street West, Township of Centre Wellington, Ontario which is currently owned by A.O. Smith Corporation. The Phase One Property is located on the north side of Garafraxa Street West, approximately 90 m southwest of the intersection of Garafraxa Street West and Maiden Lane, as shown on Figure 1 (all Figures are provided in Appendix B). A plan showing the Phase One Property is provided as Figure 2, and the Phase One Study Area for which this Phase One ESA applies to is outlined on Figure 3. Photographs of the Phase One Property and surrounding properties are presented in Appendix C. A current legal survey of the Phase One Property is included in Appendix D.



Pertinent details of the Phase One Property are provided in the following table:

| Detail | Source / Reference | Information |
|------------------------------------|---|---|
| Legal Description | Ontario Land Survey provided by the Client | Part of Block 4, Registered Plan 77, (Formerly Town of Fergus) Township of Centre Wellington, County of Wellington |
| Municipal Address | Client | 465 Garafraxa Street West, Fergus, Ontario |
| Parcel Identification Number (PIN) | Ontario Land Registry | 71385-0065 (LT) |
| Current Owner | Client. GeoWarehouse | A.O. Smither Enterprises Ltd. |
| Owner Contact Information | Client | John Weiler MBA, CPA, CMA Director, Finance and Administration A.O. Smith Enterprises Ltd. 599 Hill Street West Fergus ON, N1M 2X1 Phone: 519-787-5521 jweiler@hotwater.com |
| Current Occupant | Client and Site reconnaissance | Vacant |
| Occupant Contact Information | Client and Site reconnaissance | N/A - Vacant |
| Client | Authorization to Proceed Form for Pinchin Proposal | Habitat for Humanity Guelph Wellington |
| Client Contact Information | Authorization to Proceed Form for Pinchin Proposal | Steve Howard c/o Rob Gobbi Habitat for Humanity Guelph Wellington 100B-104 Dawson Road Guelph, Ontario N1H 1A6 Phone: 519-829-8639 Rob@habitatgw.ca |
| Site Area | Geowarehouse | 4,772.99 m ² (1.18 acres) |
| Current Zoning | Centre Wellington Zoning Map, Map 68, https://www.centrewellington.ca/en/ZoningBy-Law_Map_68.pdf | A - Agricultural |
| Centroid UTM Co-ordinates | J.D. Barnes Limited | 549 336.798 Easting |
| | | 4839 204.416 Northing |
| | | Zone 17T |



2.0 SCOPE OF INVESTIGATION

Pinchin conducted this Phase One ESA in accordance with O. Reg. 153/04, in particular Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work was comprised of the following:

- **A Records Review:** Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, Fire Insurance Plans (FIPs), chain of title search results, historical environmental assessments relevant to the Phase One Property, available Site operating records and a regulatory data base search. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist, including the MECP's Freedom of Information and Protection of Privacy Office and the Technical Standards and Safety Authority (TSSA).
- **Interviews:** Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area.
- **Site Reconnaissance:** Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern.
- **Evaluation:** Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance.
- **Reporting:** Pinchin prepared a Phase One ESA report summarizing the findings of the Phase One ESA.
- **Submission:** Pinchin submitted the Phase One ESA report to the Client.

3.0 RECORDS REVIEW

3.1 General

Identified on-Site and off-Site PCAs described in this and subsequent report Sections are summarized in Table 2 and their locations are shown on Figure 4 (on-Site PCAs) and Figure 5 (off-Site PCAs). APECs at the Phase One Property are illustrated on Figure 6.



Each on-Site PCA is associated with an APEC at the Phase One Property. Each off-Site PCA was characterized as to whether it resulted in an APEC at the Phase One Property. In making this determination, the proximity, location relative to the inferred groundwater flow direction, nature of operations and potential contaminants were considered. In general, PCAs that were relatively close to the Phase One Property and/or were at properties upgradient of the Phase One Property with respect to the inferred groundwater flow direction were considered PCAs resulting in APECs. Conversely, PCAs that were distant from the Phase One Property and/or were at properties downgradient or transgradient of the Phase One Property with respect to the inferred groundwater flow direction were not considered PCAs resulting in APECs. The type of operations and potential contaminants associated with the PCAs were also evaluated. Factors such as whether the PCA had a high probability of contamination (e.g., dry cleaners, retail fuel outlets (RFOs), automotive service garages, etc.) and mobility of the potential contaminants in the subsurface were considered during the evaluation.

3.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 metres (m), but less than 1 kilometre (km), from the Phase One Property boundary, Pinchin did not note or observe any significant potentially contaminating properties that should be included as part of this assessment (e.g., landfills, large industrial manufacturers, etc.). As such, the Phase One Study Area consisted of the Phase One Property, as well as all properties situated wholly, or partly, within 250 m from the nearest point of a boundary of the Phase One Property, in order to meet the minimum requirements set forth in O. Reg. 153/04.

3.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be the earlier of:

- The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- The first potentially contaminating use or activity on the Phase One Property.

A review of the chain of title and city directory search results determined that the Phase One Property was owned by various landowners between 1807 and 1928 when it was purchased by Beatty Bros. Limited (and subsequently The Easy Washing Machine Company, GSW Inc., and GSW Water Products Inc.). Based on a review of aerial photographs, the Phase One Property was vacant in 1930. With exception to a railway line visible in the 1976, 1980 and 1990 aerial photographs, the Phase One Property has remained vacant and undeveloped, free of any permanent structures or buildings. The presence of a railway spur at the Phase One Property represents an APEC at the Phase One Property (APEC-2).



It is Pinchin's opinion that no building or structure has historically been constructed on the Phase One Property and historical land uses consist of industrial and agricultural or vacant and undeveloped. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs and information provided by the Client. No other information was reviewed by Pinchin during the records review, or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first developed use of the Phase One Property.

3.1.3 Fire Insurance Plans

Pinchin contacted Opta Information Intelligence (Opta) to obtain copies of FIPs related to the Phase One Property and the Phase One Study Area. Opta provided Pinchin with copies of the following:

- FIPs dated 1890, 1935 and 1936 for the area including the Phase One Property.

The Opta response and copies of the FIPs are provided in Appendix E.

The following general information, including details regarding the Phase One Property, was noted in the 1890, 1935 and 1936 FIPs:

1890

- The FIP does not include the Phase One Property.
- The FIP covers the surrounding properties to the north of the Phase One Property.
- A railway line is apparent approximately 200 m north of the Phase One Property.

1935 and 1936

- The FIP does not include the Phase One Property.
- The FIP covers the surrounding properties to the north and east of the Phase One Property.
- A railway line is apparent approximately north adjacent to the Phase One Property and 200 m north of the Phase One Property.
- An industrial facility labelled 'Beaty Bros Limited' occupied by an agricultural implements and household appliance manufacturing facility is located 15 m south of the Phase One Property across Garafraxa Street West in the current location of 599 Hill Street West. It is noted that the industrial operations appear to have occurred within a building structure located approximately 100 m south of the Phase One Property. A coal pile is apparent in the east portion of the property and the facility is equipped with the following infrastructure:
 - At least two railway spurs;
 - A galvanizing room;



- One 10,000 gallon fuel oil AST on a pier;
- One 8,000 gallon fuel oil AST on a pier;
- A paint shop;
- A paint spraying area; and
- A machine shop

Based on Pinchin's review of the information provided in the 1890, 1935 and 1936 FIPs, the following is noted:

- No PCAs were identified at the Phase One Property.
- The following PCAs located within the Phase One Study Area outside of the Phase One Property were identified that are considered to result in APECs at the Phase One Property:
 - A railway line was present immediately north adjacent to the Phase One Property (APEC-3); and
 - Beaty Bros Limited, a manufacturing facility for agricultural implements and household appliances, was located 15 m south of the Phase One Property, across Garafraxa Street West at 599 Hill Street West in 1935 and 1936. A coal pile, railway spurs, a galvanizing room, two fuel oil ASTs, a paint shop, a paint spraying area and a machine shop were located at the property (APEC-5).

3.1.4 Chain of Title

Pinchin retained EcoLog ERIS to complete a chain of title search for the Phase One Property. The chain of title search was completed from the earliest record of land ownership for the Phase One Property (i.e., patent) to the present to determine if ownership information would infer any PCAs at the Phase One Property that should be evaluated.

The chain of title search results have been incorporated into Table 1, which summarizes the current and past land uses of the Phase One Property. Based on Pinchin's review of the chain of title search, nothing was identified with respect to the previous or current ownership that is considered a PCA at the Phase One Property.

The chain of title search results are provided in Appendix F. No chain of title search was conducted for the other properties located within the Phase One Study Area.



3.1.5 Environmental Reports

The following previous environmental reports for the Phase One Property provided by the Client, were reviewed by Pinchin:

- A letter entitled “*Property Status Update – 465 Garafraxa Street West, Fergus, Ontario*” prepared for A.O. Smith Corporation, prepared by Arcadis Canada Inc. (Arcadis), and dated June 11, 2021 (2021 Arcadis Update Letter);
- A letter entitled “*Known Environmental Data Summary – 465 Garafraxa Street West, Fergus, Ontario*” prepared for Habitat for Humanity Guelph Wellington, prepared by Arcadis, and dated October 18, 2021 (2021 Arcadis Data Summary Letter);
- Email correspondence from the current Phase One Property owner (A.O Smith Enterprises Ltd.) and the Client dated October 1, 2021 (October 1, 2021 Email Correspondence); and
- Email correspondence from Arcadias and the Client dated October 15, 2021 (October 15, 2021 Email Correspondence).

Pinchin reviewed the available soil and groundwater analytical data provided in the above-referenced reports to assess whether there are any known soil and groundwater impacts at the Phase One Property or on properties within the Phase One Study Area.

Given the available information on the characteristics of the Phase One Property and its future land use (i.e., residential), the applicable Site Condition Standards, as defined by the MECP in the document “*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*”, dated April 15, 2011, are:

- *Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition (Table 2 Standards)* for all types of property use and coarse-textured soils.

As such, the analytical data provided in the previous reports were compared with the *Table 2 Standards* to assess whether there are any known areas on the Phase One Property or in the Phase One Study Area where soil or groundwater has parameter concentrations exceeding the *Table 2 Standards*.

A summary of the salient information identified in the reports is provided below.

2021 Arcadis Update Letter

The Arcadias letter was presented in order to provide updated groundwater quality information for the two existing groundwater monitoring wells (MS33B-95 and MS34B-95) located at the Phase One Property. The two groundwater monitoring wells are sampled annually and as part of a larger ongoing monitoring program completed in the vicinity of the Phase One Property. Based on communications between the Client and Pinchin, the larger ongoing monitoring program is reportedly due to the presence of volatile



organic compound (VOC)-impacted groundwater at 599 Hill Street North and surrounding properties. The larger monitoring program is not discussed in the 2021 Arcadis Update Letter, only the information pertaining to subsurface work completed at the Phase One Property is provided in the 2021 Arcadis Update Letter.

MS33B-95 and MS34B-95 are installed within the shallow overburden materials at the Phase One Property and screened within sand and silt materials. The screened intervals are as follows:

- MS33B-95: 3.12 mbgs – 4.56 mbgs; and
- MS34B-95: 2.76 mbgs – 5.72 mbgs.

Groundwater samples were collected from these monitoring wells on June 23, 2020 and were submitted for laboratory analysis of VOCs. Based on Pinchin's review, the groundwater analytical data presented in the 2021 Arcadis Update Letter satisfies the *Table 2 Standards*.

It is noted that sampling procedures, laboratory Certificates of Analysis (CofAs) and/or field observations were not presented in the 2021 Arcadis Update Letter.

2021 Arcadis Data Summary Letter

The Arcadis letter was presented in order to provide groundwater monitoring data collected from the Phase One Property, which was acquired by the current property owner (A.O. Smith Enterprises Ltd.) as part of the acquisition in 2006. The groundwater monitoring data was collected as part of a larger monitoring program conducted for the property at 599 Hill Street West. Based on the information provided to Pinchin, it is unclear if soil data is available for the Phase One Property.

Five groundwater monitoring wells (MS33B-95, MS34B-95, MS55B-01, MS35B-95 and MS36B-95) were located at the Site. It is noted that during the Site reconnaissance, Pinchin observed groundwater monitoring wells MS33B-95 and MS34B-95, located in the south portion of the Site, as presented in the 2021 Arcadis Data Summary Letter. Based on observations made during the Site reconnaissance, MS55B-01, MS35B-95 and MS36B-95 are no longer present at the Site; however, no monitoring well decommissioning records were made available to Pinchin for review and the Site representative was not able to confirm the decommissioning of MS55B-01, MS35B-95 and MS36B-95.

Groundwater monitoring wells MS33B-95, MS34B-95, MS55B-01, MS35B-95 and MS36B-95 were installed within the shallow, sand and silt and/or silt and gravel overburden materials, with exception to MS55B-01, which was installed in the silt intermediate overburden material. The screened intervals for the current and historical wells are as follows:

- MS55B-01: 7.5 mbgs – 10.55 mbgs;
- MS35B-95: 2.37 mbgs – 3.81 mbgs;
- MS36B-95: 1.55 mbgs – 2.99 mbgs;



- MS33B-95: 3.12 mbgs – 4.56 mbgs; and
- MS34B-95: 2.76 mbgs – 5.72 mbgs.

Borehole logs were presented for the above monitoring well locations. Based on a review of the borehole logs the following salient information is presented:

- The shallow groundwater table is located between approximately 1.5 mbgs (MS36B-95) and 5.5 mbgs (MS55B-01);
- Monitoring wells MS35B-95, MS36B-95, MS33B-95 and MS34B-95 were installed on May 16 and 17, 1995; and
- Monitoring well MS55B-01 was installed on April 27, 2001.

VOC groundwater analytical results for samples collected from monitoring wells MS35B-95 and MS36B-95 dated 2003 through to 2005 were presented in the letter. All parameters satisfied the *Table 2 Standards* with exception to the following:

- Trichloroethylene (TCE) exceeded the *Table 2 Standards* (7.4 micrograms per liter (µg/L) vs. the *Table 2 Standard* of 1.6 µg/L) at MS35B-95 located along the north Phase One Property boundary. It is noted that the parameter also exceeds the *Table 2 Standards* when compared to the *Table 2 Standards* for medium to fine textured soils. The sampling event was conducted on May 11, 2005 and no subsequent groundwater data was presented. It is Pinchin's opinion that VOC contaminated groundwater may be present at the Site in the vicinity of the historical groundwater monitoring well MS35B-95. As such, a PCA resulting in an APEC (APEC-1) is identified at the Phase One Property. It is noted that groundwater collected in 2020 from downgradient monitoring wells MS33B-95 and MS34B-95, screened at similar depths as MS35B-95, satisfy the *Table 2 Standards*; and
- TCE exceeded the *Table 2 Standards* (4.0 micrograms per liter (µg/L) vs. the *Table 2 Standard* of 1.6 µg/L) at MS55B-01 located along the southwestern Phase One Property boundary. It is noted that the parameter satisfies the *Table 2 Standards* when compared to the *Table 2 Standards* for medium to fine textured soils. The sampling event was conducted on August 26, 2003. Two subsequent sampling events were conducted on August 24, 2004 and October 11, 2005 that satisfied the *Table 2 Standards* for both coarse and medium/fine grained standards. It is noted that the historical groundwater exceedance is attributed to the operations at 599 Hill Street, which is identified as a PCA and APEC (APEC-4) at the Phase One Property.

It is noted that sampling procedures, laboratory CofAs and/or field observations were not presented in the 2021 Arcadis Update Letter.



October 1, 2021 Email Correspondence

The email correspondence included a discussion of the historical data collected at the Phase One Property. A.O Smith Enterprises, the current property owner, confirmed that they may not have all historical data regarding the Phase One Property and historical monitoring has occurred at the Phase One Property due to a larger monitoring program regarding the historic operations at 599 Hill Street West. No other pertinent information was included in the email correspondence.

October 15, 2021 Email Correspondence

The email correspondence included the presentation of coordinates for the existing wells at the Site. No other pertinent information was included in the email correspondence.

3.1.5.1 Previous Environmental Report Summary

Based on Pinchin's review of the above-referenced previous environmental reports, the following PCAs were identified within the Phase One Study Area that are considered to result in APECs at the Phase One Property:

- The presence of known TCE groundwater concentrations at levels above the MECP *Table 2 Standards* at MS35B-95 located along the northern property boundary at the Phase One Property (APEC-1); and
- The operation of an ongoing larger groundwater monitoring program, that includes the Phase One Property, based on historical VOC groundwater contamination at 599 Hill Street West (APEC-4).

3.2 Environmental Source Information

Pinchin reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

3.2.1 Environmental Database Search – ERIS

Pinchin retained Environmental Risk Information Services (ERIS) to search all available federal, provincial and private source databases for information pertaining to the Phase One Study Area. Unless otherwise noted, information obtained from the ERIS database search was reviewed for the entire Phase One Study Area. A copy of the ERIS report is provided in Appendix G and the results of the database search are described in the following sections.



3.2.1.1 National Pollutant Release Inventory

ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted.

Pinchin reviewed the ERIS report for NPRI information and found no records regarding the Phase One Property. Twenty-three records were identified for other properties located within the Phase One Study Area. None of the records pertained to releases to soil and water and, as such, it is Pinchin's opinion that the potential for the documented releases to be an environmental concern for the Phase One Property is considered low and are not PCAs for the purpose of this Phase One ESA.

3.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory.

The ERIS search of the Ontario Inventory of PCB Storage Sites found no information regarding the Phase One Property.

One property within the Phase One Study Area was identified within the Ontario Inventory of PCB Storage Sites database search results:

- 599 Hill Street West.

This property was identified as having stored PCBs (drums with low level PCBs) or PCB-containing equipment (including capacitors).

PCBs are highly immobile in soils and immiscible in water. Furthermore, 599 Hill Street West is located hydraulically downgradient of the Phase One Property in relation to inferred groundwater flow direction and the facility building, the inferred location of where the PCBs were produced/stored is located approximately 100 m hydraulically downgradient of the Phase One Property.

Based on this information, Pinchin concludes that the likelihood of potential impacts to the Phase One Property due to the historical PCB storage at the property listed above is low and this off-Site PCA does not result in an APEC at the Phase One Property.



3.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries.

The ERIS search of the Ontario Inventory of PCB Storage Sites found no information regarding the Phase One Property.

One property within the Phase One Study Area was identified within the Ontario Inventory of PCB Storage Sites database search results:

- 599 Hill Street West.

This property was identified as having stored 400 kilograms (kg) of PCBs for disposal in 1996.

PCBs are highly immobile in soils and immiscible in water. Furthermore, 599 Hill Street West is located hydraulically downgradient of the Phase One Property in relation to inferred groundwater flow direction and the facility building, the inferred location of where the PCBs were produced/stored is located approximately 100 m hydraulically downgradient of the Phase One Property.

Based on this information, Pinchin concludes that the likelihood of potential impacts to the Phase One Property due to the historical PCB storage at the property listed above is low and this off-Site PCA does not result in an APEC at the Phase One Property.

3.2.1.4 Certificates of Approval

ERIS completed a search of the MECP database for information regarding Certificates of Approval (Cs-of-A). The MECP maintains a database of approved Cs-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a C-of-A before it could operate lawfully. The MECP no longer issues Cs-of-A, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011. O. Reg. 153/04 indicates that information from the C-of-A database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property.

The ERIS search of the C-of-A database identified no information regarding Cs-of-A for the Phase One Property.

The ERIS search of the C-of-A database identified twenty-four Cs-of-As for the property at 599 Hill Street West. Twenty-one of the Cs-of-A were for air emissions and sewage works.

Two of the Cs-of-A were for industrial wastewater as part of a shallow overburden groundwater remediation system related to the TCE impacts present in groundwater in 1996 and in 1997. One C-of-A



was for industrial sewage release into the shallow bedrock aquifer in 2000. It is noted that based on Pinchin's review of the C-of-A (#4-0147-96-976), no releases were permitted to occur within the bedrock interphase and appear to have been listed in ERIS in error. Based on the information presented in the ERIS report, a groundwater remediation system is present at 599 Hill Street to treat TCE-impacted groundwater. Pinchin completed a review of the Cs-of-A associated with the property on the MECP Access Environment website and the following salient information was presented:

- One groundwater treatment system equipped with one stripper, exhausting into the atmosphere through a stack was present at the property from at least 2001 to 2018;
- An in-situ chemical oxidation system to treat TCE (and its degradation products) impacted groundwater using a potassium permanganate solution and lactic acid in 2001;
- A groundwater collection trench system, extraction wells and piping systems are present at the property under PTTW #4101-AL4K8S regarding historically VOC-contaminated groundwater;
- Piping is present at the property to extract groundwater from two wells at the property and are directed to the air stripper to transfer the aqueous phase VOCs to gaseous (air) phase and discharge into an effluent tank;
- Water from the effluent tank is released at a defined rate to the municipal catch basin and storm sewer located on Hill Street West;
- Several groundwater monitoring and reporting operations were required to be carried out at the property to monitor VOC impacts in groundwater and the effectiveness of the groundwater remediation system at the property; and
- Several industrial operations have historically occurred at the property including paint booths, industrial ovens, parts washing, foam application and storage, various welding operations, water heater manufacturing, warehousing and distribution in at least 2001, 2002, 2007 and 2018.

As such, Pinchin considers the activities related to the Cs-of-A (i.e. treatment of known TCE-impacted groundwater) present at 599 Hill Street to represent a PCA resulting in an APEC (APEC-4) at the Phase One Property.

3.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use

ERIS completed a search of the MECP database for information regarding ECAs, permits including Permits To Take Water (PTTWs) and Certificates of Property Use (CPUs). O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding these databases are provided in the ERIS report in Appendix G.



The ERIS database search identified no information regarding ECAs, PTTWs or CPUs for the Phase One Property.

The ERIS search of the ECA database identified fourteen ECAs for 599 Hill Street West located 15 m south of the Phase One Property across Garafraxa Road West. All of these ECAs were for air emissions, industrial sewage works and municipal water works and no ECAs were identified for discharge to groundwater, which is considered the primary pathway of concern for contaminant impacts on the Phase One Property. As such, Pinchin does not consider the activities related to ECAs at the Phase One Property and properties adjacent to the Phase One Property to represent PCAs.

It is noted that ECA #6964-AXJQHK issued for 599 Hill Street West included information related to the collection, transmission, treatment and discharge of treated groundwater previously contaminated by VOC compounds to a storm sewer located on the property and draining to the municipal storm sewer located on Hill Street, located approximately 250 m south of the Site. It is noted that the discharge of previously contaminated groundwater to a storm sewer does not represent a PCA; however, the presence of VOC-impacted groundwater at 599 Hill Street located 15 m south of the Phase One Property represents a PCA and APEC (APEC-4) to the Site.

The ERIS search of the PTTW database identified five records regarding PTTWs for the property located at 599 Hill Street West located 15 m south of the Phase One Property across Garafraxa Road West. Based on information presented in the Environmental Registry of Ontario, the PTTW records for 599 Hill Street West from approximately 2000 to 2006 indicate water was to be taken from six sources (including wells and trenches) located within the Town of Fergus for remedial operations. Based on Pinchin's knowledge of this property and information presented throughout this report, the remedial operations are likely related to the treatment of the known VOC-impacted groundwater resulting from the historical operations at the property. As such, the presence of VOC-impacted groundwater at 599 Hill Street located 15 m south of the Phase One Property represents a PCA and APEC (APEC-4) to the Phase One Property.

The ERIS search of the CPU database identified no information regarding CPUs for properties adjacent to the Phase One Property.

3.2.1.6 Inventory of Coal Gasification Plants

ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- *"Inventory of Coal Gasification Plant Waste Sites in Ontario"*, dated April 1987; and
- *"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario"*, dated November 1988.



The ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Study Area.

3.2.1.7 Environmental Incidents, Orders, Offences and Spills

ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding the searched databases are provided in the ERIS report in Appendix G.

The ERIS database search revealed no records of environmental incidents, orders, offences or spills for the Phase One Property.

The ERIS database search of records of environmental incidents, orders, offences or spills revealed the following for the 599 Hill Street West property, located 15 m south of the Phase One Property across Garafraxa Street West:

- One spill event of an unknown volume of diesel fuel due to an underground storage tank (UST) leak in 1991. Soil contamination was confirmed. The presence of a UST at the property represents a PCA but due to the inferred location of the UST located a minimum of 100 m south of the Phase One Property and situated hydraulically downgradient of the Phase One Property in relation to the inferred groundwater flow direction, the spill event does not result in an APEC at the Phase One Property.
- One spill event of carbon dioxide to air occurred at the property in 2009. Based on the nature of material spilled and the receiving medium (i.e. atmosphere), no PCA is identified related to this spill event.
- No records were found related to environmental incidents, orders, offences or spills for other properties adjacent to the Phase One Property.

3.2.1.8 Waste Management Records

Waste Generators

ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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. The database search results provide a summary of available waste generation information for the registered sites for all years from 1986 to the present.



O. Reg. 153/04 indicates that information from the Waste Generator database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. However, in addition to the Phase One Property and adjacent off-Site properties, Pinchin reviewed the database for waste generators within 50 m transgradient and 100 m upgradient of the Phase One Property with respect to the inferred groundwater flow direction. The area reviewed will be referred to as the Waste Generator Database Review Area.

The ERIS search of the O. Reg. 347 Waste Generators database found no information regarding the Phase One Property.

Three other properties located within the Waste Generator Database Review Area were listed within the O. Reg. 347 Waste Generators database search results as waste generators and are considered PCAs. Details regarding the types of waste and timeframe when wastes were generated at these properties are provided in the ERIS report in Appendix G.

Of these waste generators, one was interpreted as resulting in an APEC (APEC-5) at the Phase One Property based on their distance and location relative to the Phase One Property (i.e., 15 m south of the Phase One Property) and/or the types of hazardous wastes generated (halogenated solvents). The remaining two waste generators were interpreted as not resulting in an APEC at the Phase One Property based on their distance and location relative to the Phase One property (i.e., greater than 50 m and/or inferred to be hydraulically downgradient or transgradient of the Phase One Property).

Waste Receivers

ERIS completed a search of the O. Reg. 347 Waste Receivers database for information regarding waste receivers. O. Reg. 347 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 contains 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.

O. Reg. 153/04 indicates that information from the Waste Receivers database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. However, in addition to the Phase One Property and adjacent off-Site properties, Pinchin reviewed the database for waste generators within 50 m transgradient and 100 m upgradient of the Phase One Property with respect to the inferred groundwater flow direction. The area reviewed will be referred to as the Waste Receivers Database Review Area.

The ERIS search of the O. Reg. 347 Waste Receivers database found no information regarding the Waste Receivers Database Review Area.



3.2.1.9 Fuel Storage Tanks

ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. Details regarding the searched databases are provided in the ERIS report in Appendix G.

The ERIS search of the chemical and fuel storage tank databases found no information regarding the Phase One Property.

The ERIS search of the chemical and fuel storage tank databases identified the following other properties within the Phase One Study Area with records of fuel storage tanks:

- 599 Hill Street West

The 599 Hill Street West property was listed in the Private Retail Fuel Storage Tanks and Delisted Fuel Tanks databases as a former self-serve retail fuel outlet (RFO). No other information was provided in the records. This property is located 15 m south of the Phase One Property, across Garafraxa Street West. The industrial facility located at this property is located approximately 100 m south of the Phase One Property. It is Pinchin's opinion that the former tank was likely located in close proximity to the industrial facility at the property and was historically located at least 100 m south and situated hydraulically downgradient of the Phase One Property. As such, Pinchin considers that the likelihood of potential impacts to the Phase One Property due to a storage tank at this property is low and these PCAs do not result in APECs at the Phase One Property.

3.2.1.10 Notices and Instruments

ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. ERIS also searched the Record of Site Condition database for filed RSCs.

The ERIS database search of the Environmental Registry and Record of Site Condition database indicated the following for the Phase One Study Area:

- No records were found in the Environmental Registry and Record of Site Condition database for the Phase One Property.
- No records were found in the Record of Site Condition database for properties within the Phase One Study Area.
- No records were found in the Environmental Registry database for other properties within the Phase One Study Area except for the following:
 - Seven database search results comprising two approvals for sewage works and eight approvals for discharge into the natural environment other than water (i.e. air) for the property at 599 Hill Street West located 15 m south of the Phase One



Property. None of the search results were related to potential impacts to groundwater quality, which is considered the primary pathway of concern for contaminant migration to the Phase One Property. As such, there is a low potential for the Environmental Registry search results to be indicative of discharges to the environment that represent an environmental concern to the Phase One Property and the likelihood of potential impacts to the Phase One Property is considered low.

3.2.1.11 *Areas of Natural Significance*

ERIS reviewed available databases and records to assess whether any parks, wetlands, conservation areas, or other areas of natural significance, are located within the Phase One Study Area. The Area of Natural & Scientific Interest map is included in the ERIS report in Appendix G. In addition, Pinchin reviewed information provided on the Ministry of Natural Resources and Forestry's (MNRF) Natural Heritage Information Centre (NHIC) website. No areas of natural significance were identified within the Phase One Study Area from these information sources.

3.2.1.12 *Landfill Information*

ERIS reviewed available private and provincial databases for records of any current or inactive landfills and waste disposal sites within the Phase One Study Area. Details regarding the searched databases are provided in the ERIS report in Appendix G.

The ERIS search of the landfill and waste disposal sites databases found no information regarding the Phase One Property

The ERIS database search of the landfill and waste disposal sites databases indicated the following for the Phase One Study Area:

- No records were found in the landfill and waste disposal sites databases for other properties within the Phase One Study Area except for the following:
 - The property located at 599 Hill Street West, located 15 m south of the Phase One Property across Garafraxa Street West, was listed as a historic and closed landfill. No other information was provided in the record. Based on Pinchin's knowledge of the property, it is considered unlikely that the property operated as a landfill and no PCA is identified at the property and no APEC is identified for the Phase One Property regarding the landfill record registered for 599 Hill Street West.



3.2.1.13 Other ERIS Databases

The ERIS database search of the Non-Compliance Reports identified the following additional information for the Phase One Study Area:

- A non-compliance record regarding industrial sewage operations at 599 Hill Street West was identified in 2017. TCE was listed as the contaminant in the report and the Ministry action was recorded as assessment complete – incident resolved and no action is required. Based on information presented in Section 4.2.1.5 of this report, this Non-Compliance Record is likely related to ECA #6964-AXJQHK issued for 599 Hill Street West and groundwater remediation activities related to VOC-impacted groundwater. It is noted that this Non-Compliance Record does not represent a PCA; however, the presence of VOC-impacted groundwater at 599 Hill Street West located 15 m south of the Phase One Property represents a PCA and APEC (APEC-4) at the Phase One Property.

The ERIS database search of the Scott's Manufacturing Directory identified the following additional information for the Phase One Study Area:

- The property located at 599 Hill Street West was listed as a manufacturing facility of the following:
 - Heating equipment and commercial refrigeration equipment;
 - General-purpose machinery;
 - Small electrical appliances;
 - Major appliances;
 - Metal tanks (heavy gauge);
 - Commercial and service industry machinery;
 - Pump and compressors;
 - Household appliances; and
 - Heating equipment and industrial process furnaces and ovens.

This property is located 15 m south of the Phase One Property, across Garafraxa Street West and is situated hydraulically downgradient of the Phase One Property relative to the inferred groundwater flow direction. Based on Pinchin's knowledge of the property as well as information presented in aerial photographs and observations made during the Site reconnaissance, the industrial facility has been historically located approximately 100 m south of the Phase One Property since at least the 1930's; however, the presence of VOC-impacted groundwater has been documented at the property, likely attributed to the historical manufacturing activities. As such, the industrial manufacturing activities and



presence of VOC-impacted groundwater at the property are identified as PCAs and APECs (APEC-4 and APEC-5, respectively) for the Phase One Property.

3.2.2 *Ministry of the Environment, Conservation and Parks Freedom of Information Search*

The MECP Freedom of Information and Protection of Privacy Office in Toronto, Ontario was contacted to determine if records exist for environmental matters such as orders, spills, previous investigations, prosecutions, registered PCB waste storage sites, waste generators, waste receivers, Cs-of-A and ECAs associated with the Phase One Property and properties adjacent to the Phase One Property.

Search requests were submitted for the Phase One Property, 599 Hill Street West and 645 Garafraxa Street West on October 1, 2021 and October 27, 2021. At the time of writing this report, no response had been received from the MECP. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.

A copy of Pinchin's request submitted to the MECP is provided in Appendix H of this report.

3.2.3 *Technical Standards and Safety Authority Search*

The TSSA is the regulatory body that governs the safe handling and storage of fuel in Ontario. All storage of gasoline, diesel and fuel oil is subject to the Technical Standards and Safety Act. The Technical Standards and Safety Act and its relevant documents and regulations (e.g., *Liquid Fuels Handling Code*, *Ontario Regulation 213/01 – Fuel Oil*, *Ontario Regulation 217/01 – Liquid Fuels*) require that all fuel storage devices such as aboveground storage tanks (ASTs) and USTs be registered with the TSSA.

Pinchin contacted the TSSA to determine whether any ASTs or USTs are, or were, registered for the Phase One Property and properties adjacent to the Phase One Property (i.e., 599 Hill Street West and 645 Garafraxa Street West) and to determine whether any records of regulatory non-compliance exist. An email response was issued for 599 Hill Street West and 645 Garafraxa Street West on November 5, 2021 indicating that following a search of the TSSA files, no outstanding instructions, incident reports, fuel oil spills or contamination records, or records of registered ASTs or USTs were found for the off-Site properties listed above, with the exception of the following:

- The property located at 599 Hill Street West was registered as an expired private fuel outlet (self serve) in January 1991 and an expired propane refill center in 2000. The TSSA issued an order of non-compliance to A.O. Smith Canada regarding the propane refill facility. The expired private RFO represents a PCA within the Phase One Study Area that does not result in an APEC at the Phase One Property due to the separation distance (minimum of 100 m) and inferred groundwater flow direction (situated hydraulically downgradient of the Phase One Property);



- The property at 599 Hill Street West was registered for a 5000 gallon freon storage tank in 1999; and
- An inspectors report for 599 Hill Street West completed on September 12, 2003 indicated that the belly of a steel tank is corroded around valves and requires painting.

An email response was issued for the Phase One Property on December 13, 2021, indicating that following a search of the TSSA files, no outstanding instructions, incident reports, fuel oil spills or contamination records, or records of registered ASTs or USTs were found for the Phase One Property.

A copy of the TSSA response is provided in Appendix I.

3.2.4 Property Underwriters' Reports and Plans

Property Underwriters' Reports (PURs) provide detailed information on a site-specific basis, including descriptions of building construction, heating sources, production processes, and the presence of any hazardous chemicals or materials which may have been historically stored on the Phase One Property. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers and storage tanks. Information provided on Property Underwriters' Plans (PUPs) includes the location, capacity, and contents of aboveground storage tanks (ASTs), USTs, chemical storage and other forms of environmental hazards.

Pinchin contacted Opta to obtain copies of PURs and PUPs related to the Phase One Property. A response was received from Opta dated November 18, 2021, which indicated that no PURs or PUPs for the Phase One Property were available. The Opta response is provided in Appendix E.

3.2.5 City Directories

At the time of writing this report, and due to temporary closures of Public Libraries and the Archives of Canada, City Directories were not available for Pinchin's review. This represents a potential data gap in the historical documentation review process.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1930, 1954, 1964, 1976, 1980, 1990 and 2019 were obtained from EcoLog ERIS and reviewed by Pinchin. In addition, Pinchin reviewed Google Earth™ Satellite Imagery dated 2006. The 1930 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.



Efforts were made by Pinchin to obtain aerial photographs that:

- Illustrated the period between initial development of the Phase One Property to the present.
- Identified buildings and structures present on the Phase One Property since initial development.
- Identified PCAs within the Phase One Study Area.
- Identified APECs on the Phase One Property.

A summary of information obtained with respect to the Phase One Property from a review of the available aerial photography is provided in the following table:

| Year of Photograph | Phase One Property |
|---------------------------|--|
| 1930 | The Phase One Property appears vacant and undeveloped and utilized for possible agricultural purposes. |
| 1954 | The Phase One Property appears vacant and undeveloped. A possible railway line is apparent oriented in a northwest and southeasterly direction through the central portion of the Phase One Property. It is noted that this railway line is not apparent on the subsequent 1964 aerial photograph and appears to be hand drawn. As such the railway line apparent at the Phase One Property in 1954 is not considered representative of the conditions at the Site and no PCA is identified based on the 1954 aerial photograph. |
| 1964 | The Phase One Property appears vacant and undeveloped and utilized for possible agricultural purposes. |
| 1976 | The Phase One Property appears vacant and undeveloped. A railway line is apparent oriented in a northwest and southeasterly direction through the central portion of the Phase One Property. |
| 1980 | Same as above. |
| 1990 | Same as above. |
| 2006 | Same as above. The railway line appears to be overgrown and/or deconstructed at the Site. |
| 2019 | The Phase One Property appears to be covered in natural vegetation. |

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property has remained vacant and free of any building structures since at least 1930.

The aerial photograph review identified the following PCA on the Phase One Property:

- A railway line is apparent oriented in a northwest and southeasterly direction through the central portion of the Phase One Property from at least 1976 to 1990.



The aerial photograph review identified the following PCAs within the Phase One Study Area, outside of the Phase One Property, that are considered to result in APECs at the Phase One Property:

- A railway line is apparent north adjacent to the Phase One Property from at least 1930 to 2019 (APEC-3).
- A large industrial facility is apparent approximately 100 m south of the Phase One Property from at least 1930 to 2019 (APEC-5).

It is noted that although the Phase One Property appeared to be utilized for agricultural purposes, no orchards or indication of pesticide use was apparent at the Phase One Property. As such, no on-Site PCA is identified regarding the historical agricultural operations at the Phase One Property.

Copies of the aerial photographs of the Phase One Property and surrounding area are provided in Appendix J.

3.3.2 *Topography, Hydrology and Geology*

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 414 m above mean sea level (mamsl). The general topography in the local and surrounding areas is generally flat. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within glaciofluvial deposits of wentworth tills as the dominant landform with the primary native material consisting of sandy loams. Bedrock is expected to consist of sandstone, shale, dolostone and siltstone of the Guelph Formation. The topography is considered to be mainly flat to rolling low local relief with well drained surface water drainage conditions. During previous on-Site environmental investigations, the soil stratigraphy was observed to consist of topsoil underlain by native silt, sand and silt, sandy silt and clayey silt and the groundwater table is located between approximately 1.5 and 5.5 mbgs.

Based on general hydrogeological principles and Pinchin's familiarity with subsurface conditions at and near the Phase One Property and the surrounding properties within the Phase One Study Area, the unconfined groundwater beneath the Phase One Property is expected to flow in a southeasterly direction. The nearest surface water body is an unnamed creek located approximately 150 m north of the Phase One Property, draining to the nearest major water body, the Grand River located approximately 600 m southeast of the Phase One Property at an elevation of approximately 400 mamsl.

Copies of pertinent maps, illustrating local topographical, hydrogeological and drainage features are provided in Appendix K



3.3.3 *Fill Materials*

The historical records review provided no information regarding the presence of fill material at the Phase One Property.

Although the Phase One ESA did not identify any historical or current fill material at the Phase One Property, potential future development plans should incorporate the appropriate procedures for the characterization of soils that may require off-Site management. Further assessment and/or costs may be incurred through re-development of the Phase One Property and/or change in land use scenarios.

3.3.4 *Water Bodies, Areas of Natural Significance and Groundwater Information*

No water bodies were identified on the Phase One Property or on surrounding properties within the Phase One Study Area, with the following exception:

- An unnamed creek is located approximately 150 m north of the Phase One Property.

A review of the Area of Natural & Scientific Interest map prepared by ERIS (see Appendix G) and information provided on the MNRF's NHIC website did not identify any provincial parks, wetlands, conservation areas, or other areas of natural significance, within the Phase One Study Area.

A review of the Grand River Conservation Authority Source Protection Mapping Tool indicated that the Phase One Study Area is located within a well head protection area (WHPA-D).

Based on information provided in Township of Centre Wellington Water Supply Master Plan, the Phase One Property and all other properties within the Phase One Study Area are serviced by a municipally operated drinking water well system consisting of three production wells located within Fergus, Elora and Guelph.

3.3.5 *Well Records*

The Water Well Information System database search did not identify any water well records for the Phase One Property but did identify seven water well records within the Phase One Study Area outside of the Phase One Property. Details regarding these off-Site wells, including stratigraphic information, depth to bedrock and/or depth to the water table, are provided in the ERIS report included in Appendix G.



As documented in the 2021 Arcadis Data Summary Letter, presented in Section 4.1.5 of this report, monitoring wells MS35B-95, MS36B-95, MS33B-95 and MS34B-95 were installed on May 16 and 17, 1995 and monitoring well MS55B-01 was installed on April 27, 2001 to a maximum depth of 13 mbgs. It is noted that the maximum depth of monitoring well screen installation was 10.5 mbgs at MS55B-01. Stratigraphy encountered at the Site was identified as topsoil underlain by native silt, sand and silt, sandy silt and clayey silt to the maximum borehole depth. Bedrock was not encountered during the drilling and groundwater was encountered between 1.5 mbgs (MS36B-95) and 5.5 mbgs (MS55B-01). Monitoring wells MS34B-95 and MS33B-95 or MS55B-01 were observed at the Phase One Property during the Site reconnaissance conducted by Pinchin.

3.4 Site Operating Records

Based on the historical presence of a railway line at the Phase One Property, the Phase One Property is classified as an Enhanced Investigation Property (see Section 6.3). As such, O. Reg. 153/04 requires that the following site operating records be reviewed where available:

- Regulatory permits and records related to APECs.
- Material safety data sheets (MSDSs).
- Underground utility drawings.
- Inventories of chemicals, chemical usage and chemical storage areas.
- Inventory of ASTs and USTs.
- Environmental monitoring data.
- Waste management records.
- Process, production and maintenance documents related to APECs.
- Records of spills and contaminant discharges.
- Emergency response and contingency plans.
- Environmental audit reports.
- Site plan of facility.

The Client informed Pinchin that none of the above-listed site operating records were available for review, with exception to environmental monitoring data and environmental audit reports presented in Section 4.1.5 of this report.



4.0 INTERVIEWS

Pinchin interviewed individuals knowledgeable of the Phase One Property and its history to obtain or confirm information regarding the environmental condition of the Phase One Property. The following individuals provided information regarding the history of the Phase One Property and the surrounding properties within the Phase One Study Area to the best of their knowledge:

| Person Interviewed | Relationship to Phase One Property | Date and Place of Interview | Interview Method |
|--------------------|------------------------------------|--|---|
| Mr. Rob Gobbi | A representative of the Client | October 14, 2021 (Phase One Property) | In-person interview during Site reconnaissance and through telephone correspondence on various dates. |

Mr. Gobbi was chosen to be interviewed given that he has been affiliated with the Phase One Property since September 2021 and is familiar with the recent operational history of the Phase One Property. Mr. Gobbi is referred to herein as the “Site Representative”, and was present at the Phase One Property at the time a Pinchin representative (Ms. Kimberly Westover) completed the Site reconnaissance.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. The information provided by the interviewees was corroborated by the available historical records. As such, Pinchin has no concerns regarding the validity of the information provided by the individuals interviewed for the Phase One ESA.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

A visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area was conducted for the purpose of identifying the presence of possible PCAs and associated APECs.

The Site reconnaissance was completed on October 14, 2021 by a Pinchin representative (i.e., Ms. Kimberly Westover), under the direct supervision of Pinchin’s QP overseeing this project. Ms. Westover is a Project Manager with more than six years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to document environmental conditions. During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern.



The Site reconnaissance was conducted between the hours of 2:00 PM and 3:00 PM. During the Site reconnaissance, the weather was clear and sunny, and the ambient temperature was approximately 15° Celsius. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the property. There were no access restrictions for Pinchin for the Phase One Property with the exception to the northwestern portion of the Phase One Property which was covered in thick vegetation. At the time of the Site reconnaissance, the Phase One Property was vacant and free of any building structures.

Photographs taken during the Site reconnaissance that illustrate the Phase One Property and Phase One Study Area are provided in Appendix C.

With reference to Appendix C, the following table provides a summary of photographs that illustrate PCAs observed at other properties within the Phase One Study Area during the Site reconnaissance:

| Photograph No. | Orientation | Description |
|-----------------------|--------------------|--|
| 7 | Looking south | Industrial facility observed 100 m south of the Phase One Property, across Garafraxa Street West (599 Hill Street West). |
| 8 | Looking south | Location of historical railway line located north adjacent to the Phase One Property. |

5.2 Specific Observations at Phase One Property

5.2.1 Description of Buildings and Structures

There were no buildings or structures present on the Phase One Property at the time of the Site reconnaissance.

5.2.2 Description of Below-Ground Structures

There were no below-ground structures present on the Phase One Property at the time of the Site reconnaissance.

5.2.3 Description of Tanks

During the Site reconnaissance, Pinchin did not observe any tanks on the Phase One Property for the purpose of either fuel dispensing or storage, or other unidentified substance storage.

5.2.4 Potable and Non-Potable Water Sources

The Phase One Property is currently not serviced by a municipal water supply.

5.2.5 Description and Location of Underground Utilities

The Phase One Property has remained undeveloped and there are no known underground utilities.



5.2.6 Entry and Exit Points

The Phase One Property is accessible through the south, east and west property boundaries.

5.2.7 Details of Heating System

No heating systems were observed at the Phase One Property.

5.2.8 Details of Cooling System

No cooling systems were observed at the Phase One Property.

5.2.9 Details of Drains, Pits and Sumps

No pits or sumps were observed at the Phase One Property.

5.2.10 Unidentified Substances within Buildings and Structures

No unidentified substances were observed at the Phase One Property.

5.2.11 Details of Staining and Corrosion

During the Site reconnaissance, Pinchin did not observe any areas of staining or corrosion.

5.2.12 Details of On-Site Wells

Two groundwater monitoring wells were observed to be present on the Phase One Property. Based on information provided by the Client, the wells were installed at the Site as part of a larger monitoring program related to the known presence of VOC-impacted groundwater associated with the 599 Hill Street West property, located 15 m south of the Phase One Property across Garafraxa Street West.

As documented in the 2021 Arcadis Data Summary Letter, presented in Section 4.1.5 of this report, monitoring wells MS35B-95, MS36B-95, MS33B-95 and MS34B-95 were installed on May 16 and 17, 1995 and monitoring well MS55B-01 was installed on April 27, 2001 to a maximum depth of 13 mbgs within the overburden aquifer unit. It is noted that the maximum depth of monitoring well screen installation was 10.5 mbgs at MS55B-01. Stratigraphy at the Site was identified as topsoil underlain by native silt, sand and silt, sandy silt and clayey silt to the maximum borehole depth. Bedrock was not encountered during the drilling and groundwater was encountered between 1.5 mbgs (MS36B-95) and 5.5 mbgs (MS55B-01). Monitoring wells MS34B-95 and MS33B-95 or MS55B-01 were observed at the Phase One Property at the time of the Site reconnaissance.

5.2.13 Details of Sewage Works

During the Site reconnaissance, Pinchin did not observe any sewage works or evidence of sewage disposal on the Phase One Property.



5.2.14 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. Vegetated areas cover the entirety of the Phase One Property.

5.2.15 Details of Current or Former Railways

Railway lines were not observed on the Phase One Property at the time of the Site reconnaissance; however, one former railway line is known to have been located across the central portion of the Phase One Property that was removed prior to 2006 and is considered a PCA and APEC at the Phase One Property.

5.2.16 Areas of Stained Soil, Vegetation and Pavement

During the Site reconnaissance, Pinchin did not observe any areas of stained soil, vegetation or pavement on the Phase One Property.

5.2.17 Areas of Stressed Vegetation

During the Site reconnaissance, Pinchin did not observe any areas of stressed vegetation on the Phase One Property. Significant quantities of vegetation were not observed on-Site.

5.2.18 Areas of Fill and Debris Materials

No obvious areas where fill material or debris have been placed or graded were observed by Pinchin at the Phase One Property.

5.2.19 Potentially Contaminating Activities

A PCA is defined by O. Reg. 153/04 as a “use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area” including the Phase One Property.

The PCAs observed on the Phase One Property during the Site reconnaissance are included in Table 2. Details regarding these PCAs (e.g., location, potential contaminants of concern, and rationale for inclusion) are provided in the preceding sections of this report, and are further summarized in Section 7.2.

5.2.20 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances on the Phase One Property.

5.2.21 Surrounding Land Uses

During the Site reconnaissance, Pinchin conducted a visual assessment of publicly-accessible portions of the Phase One Study Area for the presence of PCAs. The properties in the Phase One Study Area have various land uses, including residential, commercial, agricultural and industrial. Land use types within the Phase One Study Area are presented on Figure 3.



The following table summarizes the land use on adjacent properties at the time of the Site reconnaissance:

| Direction Relative to Phase One Property | Location Relative to Inferred Groundwater Flow Direction | Description of Property Use | Property Use | Potential Contribution to PCA and/or APEC |
|---|---|--|------------------------------------|---|
| North | Up/ transgradient | Historical railway line and vacant land followed by single-family residential dwellings. | Commercial/ residential | The presence of a historical railway line is a PCA that results in an APEC (APEC-3) at the Phase One Property. The remainder of land uses are not considered to represent PCAs. |
| East | Trans/ downgradient | Historical railway line and vacant land followed by single-family residential dwellings. | Commercial/ residential | The presence of a historical railway line is a PCA that results in an APEC (APEC-3) at the Phase One Property. The remainder of land uses are not considered to represent PCAs. |
| South | Down/ transgradient | Garafraxa Street West followed by an industrial facility at 599 Hill Street West. | Industrial | The industrial facility is a PCA that results in an APEC (APEC-5) at the Phase One Property. |
| West | Trans/ upgradient | Agricultural land and one single family residence. | Agricultural and residential | The land uses are not considered to represent PCAs. |

Pinchin observed no PCAs at the time of the Site reconnaissance within the rest of the Phase One Study Area that were not identified during the historical information review and noted elsewhere in this report. All PCAs are summarized in Table 2.



5.3 Enhanced Investigation Property

O. Reg. 153/04 defines an “Enhanced Investigation Property” as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use or;
- For any of the following commercial uses:
 - As a garage;
 - As a bulk liquid dispensing facility, including a gasoline outlet; or
 - For the operation of dry cleaning equipment.

During this Phase One ESA, Pinchin has documented that the Phase One Property was formerly occupied by a railway spur and is therefore considered an Enhanced Investigation Property. A Phase Two Environmental Site Assessment (Phase Two ESA) is automatically required at an Enhanced Investigation Property to support the filing of an RSC.

5.3.1 Site Operations

The Phase One Property is currently vacant and undeveloped, free of any permanent structures or building.

5.3.2 Hazardous Materials

No use or storage of hazardous materials was observed at the Phase One Property during the Site reconnaissance.

5.3.3 Products Manufactured

No product manufacturing activities were observed at the Phase One Property during the Site reconnaissance.

5.3.4 By-Products and Wastes

No manufacturing by-products or wastes were observed at the Phase One Property during the Site reconnaissance.

5.3.5 Raw Materials Handling and Storage

No handling or storage of raw materials was observed at the Phase One Property during the Site reconnaissance.

5.3.6 Drums, Totes and Bins

No drums, totes or bins were observed at the Phase One Property during the Site reconnaissance.



5.3.7 Oil/Water Separators

No oil/water separators were observed at the Phase One Property during the Site reconnaissance.

5.3.8 Vehicle and Equipment Maintenance

No vehicle and equipment maintenance activities were observed at the Phase One Property during the Site reconnaissance.

5.3.9 Spills

No evidence of spills was observed at the Phase One Property during the Site reconnaissance.

5.3.10 Liquid Discharge Points

No liquid discharge points were observed at the Phase One Property during the Site reconnaissance.

5.3.11 Processing and Manufacturing Operations/Equipment

No processing or manufacturing operations or equipment were observed at the Phase One Property during the Site reconnaissance.

5.3.12 Hydraulic Equipment

No hydraulic equipment (e.g., elevators, in-ground hoists, loading docks) was observed at the Phase One Property during the Site reconnaissance.

5.3.13 Potentially Contaminating Activities

Based on the information provided in Sections 6.3.1 to 6.3.12, no additional PCAs were identified during the Site reconnaissance that have not been described previously in this report.

5.4 Written Description of Investigation

The Phase One ESA completed by Pinchin included investigations of the Phase One Property and the Phase One Study Area outside of the Phase One Property pursuant to Sections 13 and 14 of Schedule D of O. Reg.153/04. The main objective of these investigations was to identify PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property that could have resulted in APECs at the Phase One Property.

5.4.1 Phase One Property

The investigation of the Phase One Property consisted of the following components:

- Review of available historical records, including FIPs, chain of title search, previous environmental reports, ERIS regulatory search, aerial photographs and well records.
- A Site reconnaissance completed on October 14, 2021 by Ms. Kimberly Westover of Pinchin that included an assessment of the exterior of the Phase One Property.



- Interviews with individuals knowledgeable of the history and operations at the Phase One Property.
- Review of mapping provided by ERIS and information provided on-line by the MNR for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified two PCAs. The descriptions and locations of these PCAs are provided in Table 2. As per O. Reg. 153/04, all identified PCAs at the Phase One Property are considered APECs that will require investigation through the completion of a Phase Two ESA.

No areas of natural significance were identified at the Phase One Property.

Plans identifying the locations of the on-Site PCAs and APECs for this Phase One ESA are provided as Figures 4 and 6, respectively.

5.4.2 Phase One Study Area Outside of Phase One Property

The investigation of the Phase One Study Area outside of the Phase One Property consisted of the following components:

- Review of available historical records, including FIPs, previous environmental reports, ERIS regulatory search and aerial photographs.
- Visual inspection of properties from publicly-accessible areas for evidence of PCAs and water bodies.
- Review of mapping provided by ERIS and information provided on-line by the MNR for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property identified three PCAs that have the potential to impact soil and/or groundwater quality at the Phase One Property given their proximity to the Phase One Property, their upgradient locations relative to the inferred groundwater flow direction in the Phase One Study Area and/or the nature of operations and potential contaminants related to these operations. The descriptions and locations of these PCAs are provided in Table 2. The APECs associated with these PCAs are summarized in Table 3. A total of three additional PCAs were identified within the Phase One Study Area outside of the Phase One Property. These additional PCAs are not considered to result in APECs at the Phase One Property given the distance from the PCAs to the Phase One Property, their downgradient or transgradient locations relative to the inferred groundwater flow direction in the Phase One Study Area and/or the nature of operations and potential contaminants related to these operations. The descriptions and locations of these PCAs are provided in Table 2.

No areas of natural significance were identified within the Phase One Study Area outside of the Phase One Property.



Based on a cursory review of the properties greater than 250 m (i.e., outside of the Phase One Study Area), but less than 1 km, from the Phase One Study Area, Pinchin did not note or observe any significant contaminating properties that should be included as part of this assessment (i.e., landfills, large industrial manufacturers, etc.).

Plans identifying the locations of the off-Site PCAs and associated APECs for this Phase One ESA are provided as Figures 5 and 6, respectively.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

The current and past land uses of the Phase One Property are listed in Table 1. To the best of Pinchin's knowledge and based on a review of aerial photographs provided by ERIS and reviewed by Pinchin, the Phase One Property has been vacant and undeveloped, free of any permanent structures or buildings since at least 1930, with exception to a railway line visible in the 1976, 1980 and 1990 aerial photographs.

It is Pinchin's opinion that no building or structure has historically been constructed on the Phase One Property and historical land uses consist of industrial and agricultural or vacant and undeveloped. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs and previous reports. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

6.2 Potentially Contaminating Activities

Table 2 summarizes the descriptions and locations of all PCAs as defined by O. Reg. 153/04 that were identified by Pinchin within the Phase One Study Area. The following presents a summary of these PCAs:

- A total of two PCAs were documented to have occurred at the Phase One Property.
- A total of seven PCAs were documented to have occurred within the Phase One Study Area outside of the Phase One Property. Of these off-Site PCAs, three were identified that are considered to result in APECs at the Phase One Property given their proximity to the Phase One Property, their upgradient locations relative to the inferred groundwater flow direction in the Phase One Study Area and/or the nature of operations and potential contaminants related to these operations.
- The remaining four off-Site PCAs are not considered to result in APECs at the Phase One Property given the distance from the PCAs to the Phase One Property, their downgradient or transgradient locations relative to the inferred groundwater flow direction in the Phase One Study Area and/or the nature of operations and potential contaminants related to these operations.



6.3 Areas of Potential Environmental Concern

Table 3 summarizes all APECs identified during the Phase One ESA, as well as their respective PCAs, COPCs and the media which could potentially be impacted. As noted in Table 3, the Phase One ESA identified a total of five APECs at the Phase One Property.

The rationale used by the QP in assessing the available information to determine whether PCAs exist or have existed within the Phase One Study Area, including the Phase One Property, that represent an APEC at the Phase One Property has been provided in the preceding report sections. In general, the potential for environmental impacts to the Phase One Property was evaluated using a combined probability for a source to contaminate, and the ability of contaminants to migrate on, or to the Phase One Property. For example, a gasoline UST located on the Phase One Property, or on a property in close proximity and/or upgradient of the Phase One Property, would exhibit a high potential for contamination (and is therefore considered a PCA resulting in an APEC at the Phase One Property) since gasoline is highly mobile in the subsurface. In contrast, shallow soil/fill with metals impacts located on a property adjacent to the Phase One Property would be considered to have a low potential for contamination given that metals generally have low mobility in the subsurface (and would not be considered a PCA resulting in an APEC at the Phase One Property). Furthermore, non-adjacent properties with PCAs located downgradient or transgradient of the Phase One Property generally do not result in APECs at the Phase One Property. Groundwater is the media through which contaminants typically migrate from property to property, and if the source of the contaminant is downgradient or transgradient of the Phase One Property, contaminated groundwater from this source cannot migrate to the Phase One Property and the downgradient or transgradient PCA would not be considered to result in an APEC at the Phase One Property.

The COPCs listed in Table 3 are APEC-specific and were determined based on several sources of information, including but not limited to, Pinchin's experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants and point sources, literature reviews of COPCs and associated hazardous substances, and an evaluation by Pinchin of the mobility and susceptibility for migration of the COPCs in the subsurface.

The evaluation of the presence/absence of APECs at the Phase One Property was based upon the analysis of available documents, records and drawings, and personal interviews. In evaluating the Phase One Property and Phase One Study Area, Pinchin has relied in good faith on information provided by other individuals or sources as noted in this report. Pinchin has assumed that the information provided is factual and accurate, and has no reason to believe that any of the information provided in the available documentation or obtained through interviews is not factual or inaccurate.

Pinchin is not aware of any additional information that would alter the conclusions regarding the presence/absence of APECs at the Phase One Property.



As described in the preceding sections, the historical information available for review for the Phase One ESA was limited. No PURs, PUPs or city directories were available for the Phase One Property or Phase One Study Area. Based on the Site reconnaissance and the available documentation, there is no indication that the Phase One Property has ever been developed. As such, it is Pinchin's opinion that the lack of available historical records does not alter the conclusions of this report.

6.4 Phase One Conceptual Site Model

A conceptual site model (CSM) has been created to provide a summary of the findings of the Phase One ESA. The Phase One CSM is summarized in Figures 1 through 6 which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures.
- Water bodies located in whole or in part within the Phase One Study Area.
- Areas of natural significance located in whole or in part within the Phase One Study Area.
- Drinking water wells located at the Phase One Property.
- Land use of adjacent properties.
- Roads within the Phase One Study Area.
- PCAs within the Phase One Study Area, including the locations of tanks.
- APECs at the Phase One Property.

The following provides a narrative summary of the Phase One CSM:

- The Phase One Property is a triangular-shaped parcel of land approximately 1.18 acres (0.47 hectares) in size located on the north side of Garafraxa Street West, approximately 90 m southwest of the intersection of Garafraxa Street West and Maiden Lane in the City of Fergus. The Phase One Property has remained vacant since at least the 1930's, with exception to a railway line visible in the 1976, 1980 and 1990 aerial photographs.
- Water bodies located within the Phase One Study Area consisted of an unnamed creek located approximately 150 m north of the Phase One Property.
- No areas of natural significance were identified within the Phase One Study Area.
- No drinking water wells were located on the Phase One Property.
- Garafraxa Street West is located adjacent to the south of the Phase One Property followed by an industrial facility at 599 Hill Street West since at least 1930. A historical railway line is located north adjacent to the Phase One Property followed by vacant and/or residential land uses. The property located west adjacent to the Phase One Property consists of agricultural land and one residential building structure.



- A total of nine PCAs were identified within the Phase One Study Area, consisting of two PCAs at the Phase One Property and seven PCAs within the Phase One Study Area, outside of the Phase One Property. As shown on Figure 5, two of the off-Site PCAs are former RFOs located approximately 150 m east of the Phase One Property (510 and 530 Garafraxa Street West) and a historical tank and PCB storage at the industrial facility located approximately 100 m south of the Phase One Property (599 Hill Street West). Groundwater flow within the Phase One Study Area is interpreted to be to the southeast towards the Grand River and these off-Site PCAs are inferred to be situated hydraulically down to transgradient of the Phase One Property. Given that these PCAs are located at down/transgradient properties that are at least 100 m from the Phase One Property, these off-Site PCAs are not considered to result in APECs at the Phase One Property. All other PCAs identified within the Phase One Study Area represent APECs at the Phase One Property. Figure 6 provides a detailed summary of the APECs and associated PCAs and COPCs.
- The Phase One Property is not equipped with underground utilities. As such, utility corridors are not expected to act as preferential pathways for contaminant distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property.
- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within glaciofluvial deposits of wentworth tills as the dominant landform with the primary native material consisting of sandy loams. Bedrock is expected to consist of sandstone, shale, dolostone and siltstone of the Guelph Formation.
- The topography at the Phase One Property is considered to be mainly flat to rolling low local relief with well drained surface water drainage conditions. During previous on-Site environmental investigations, the soil stratigraphy was observed to consist of topsoil underlain by native silt, sand and silt, sandy silt and clayey silt and the groundwater table is located between approximately 1.5 and 5.5 mbgs. Local groundwater flow is inferred to be to the southeast, based on the location of the Grand River. Regional groundwater flow is inferred to be to the south towards Lake Ontario.

7.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property in support of filing an RSC in accordance with O. Reg. 153/04.



Based on the findings of this Phase One ESA, Pinchin identified two PCAs at the Phase One Property (i.e., on-Site) and seven PCAs within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). Of the off-Site PCAs, four are not considered to result in APECs at the Phase One Property given their distance from the Phase One Property and/or their downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property. The remaining three off-Site PCAs and the two on-Site PCAs have resulted in a total of five APECs at the Phase One Property. It is Pinchin's opinion that these five PCAs may have impacted soil and groundwater quality at the Phase One Property and, as such, result in APECs at the Phase One Property that warrant further investigation prior to the submittal of an RSC.

Pinchin recommends that a Phase Two ESA be conducted at the Phase One Property as an "assessment of property conducted in accordance with the regulations by or under the supervision of a qualified person to determine the location and concentration of one or more contaminants in the land or water on, in or under the property". Pinchin concludes that one or more contaminants originating from PCAs located on the Phase One Property and within the Phase One Study Area outside of the Phase One Property may have affected land or water on, in, or under the Phase One Property. Therefore, Pinchin recommends that a Phase Two ESA be conducted prior to filing an RSC for the Phase One Property.

It should be noted that the references and sources for the information used in evaluating the Phase One Property are provided in the relevant sections of this report. Specific references are also summarized in Section 9.0.

7.1 Signatures

This Phase One ESA was undertaken under the supervision of Lindsay Johnson, P.Eng., QP_{ESA} in accordance with the requirements of O. Reg. 153/04 to support the filing of an RSC for the Phase One Property. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on October 14, 2021, and a review of available historical information and information obtained from interviews.

This report has been issued without having received a response to a request for information from the MECP and TSSA. Pinchin reserves the right to amend our conclusions and recommendations based on information obtained from the regulatory agencies.

We trust that the information provided in this report meets your current requirements.



7.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 465 Garafraxa Street West in Fergus, Ontario (Site), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of Habitat for Humanity (Client) subject to the terms, conditions and limitations contained within the duly authorized proposal for this project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase One ESA.



8.0 REFERENCES

The following documents, persons or organizations provided information used in this report:

- Arcadis Canada Inc. Property Status Update – 465 Garafraxa Street West, Fergus, Ontario. June 11, 2021
- Arcadis Canada Inc. Known Environmental Data Summary – 465 Garafraxa Street West, Fergus, Ontario. October 18, 2021
- A.O Smith Enterprises Ltd.
- Centre Wellington Zoning Maps. https://www.centrewellington.ca/en/doing-business/resources/Documents/Planning/Zoning/Maps/ZoningBy-Law_Map_68.pdf
- Environmental Risk Information Services. 465 Garafraxa Street West, Fergus, Ontario (ERIS Project #21111600359). November 17, 2021.
- Email correspondence between A.O Smith Enterprises Ltd. and the Client dated October 1, 2021 (October 1, 2021 Email Correspondence); and
- Email correspondence from Arcadias and the Client dated October 15, 2021.
- GeoWarehouse.
- Google Earth™.
- Grand River Conservation Authority. <https://maps.grandriver.ca/web-gis/public/?theme=MYP&bbox=556798,4801432,558580,4802404>
- Ministry of the Environment, Conservation and Parks. Brownfields Environmental Site Registry. <https://www.ontario.ca/page/brownfields-redevelopment>
- Ministry of the Environment, Conservation and Parks. Brownfields, Environmental Clean-up & Financial Assurance Services: Brownfields Redevelopment Historical Record Database. <https://www.ontario.ca/page/brownfields-redevelopment>
- Ministry of Natural Resources and Forestry. Make A Map: Natural Heritage Areas. Province of Ontario. https://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US
- Ministry of the Environment, Conservation and Parks. Source Protection Information Atlas. Province of Ontario. <https://www.gisapplication.lrc.gov.on.ca/SourceWaterProtection/Index.html?site=SourceWaterProtection&viewer=SWPViewer&locale=en-US>
- Opta Information Intelligence. 465 Garafraxa Street West, Fergus, Ontario (Opta Order ID: 100165). November 18, 2021.



Phase One Environmental Site Assessment

465 Garafraxa Street West, Township of Centre Wellington, Ontario
Habitat for Humanity

February 17, 2022
Pinchin File: 299766
FINAL

- Opta Information Intelligence. 645 Garafraxa Street West, Fergus, Ontario (Opta Order ID: 99227). November 2, 2021.
- Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 274/20 on July 1, 2020.
- The Atlas of Canada – Surficial Materials:
<http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1>
- The Atlas of Canada – Bedrock Geology:
<http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12>.
- Toporama – Topographic Maps:
<http://atlas.gc.ca/site/english/maps/topo/map>.

J:\299000s\0299766.000 HabitatHumanity,465GarafraxaW,EDR,ESA\Deliverables\299766 RSC Phase One ESA Report 465 Garafraxa St W, Fergus HabitatforHumanity Feb. 17, 2022.docx

Template: Master Report for RSC Phase One ESA Report, EDR, October 16, 2020

9.0 APPENDICES

APPENDIX A
Tables



Table 1 - Table of Current and Past Uses of the Phase One Property

| Year | Name of Owner | Description of Property Use | Property Use | Other Observations from Aerial Photographs, Fire Insurance Plans, etc. |
|------------------|---|-----------------------------|---------------------------|--|
| Pre-1807 | Crown | Unknown | Agricultural or other use | None. |
| 1807-1834 | Thomas Clark | Unknown | Agricultural or other use | None. |
| 1834-1864 | Adam Ferguson and James Webster | Unknown | Agricultural or other use | None. |
| 1864-1887 | George D. Ferguson | Unknown | Agricultural or other use | None. |
| 1887-1905 | Thompson Sherwood | Unknown | Agricultural or other use | None. |
| 1905-1906 | Andrew Parker | Unknown | Agricultural or other use | None. |
| 1906-1928 | John Woods | Unknown | Agricultural or other use | None. |
| 1928-1939 | Beatty Bros. Limited | Vacant undeveloped land. | Agricultural or other use | Based on the 1930 aerial photograph, the Phase One Property was vacant and undeveloped. |
| 1939-1965 | T. Campbell Richardson | Vacant undeveloped land. | Agricultural or other use | Based on the 1954 and 1964 aerial photograph, the Phase One Property was vacant and undeveloped. |
| 1960 (*Easement) | The Bell Telephone Company | Unknown | Agricultural or other use | None. |
| 1965-1973 | Thomas W. Richardson & John H. Richardson | Unknown | Agricultural or other use | None. |



| Year | Name of Owner | Description of Property Use | Property Use | Other Observations from Aerial Photographs, Fire Insurance Plans, etc. |
|--------------|----------------------------------|-----------------------------|----------------|---|
| 1973-1988 | The Easy Washing Machine Company | Industrial | Industrial use | Based on the 1976 and 1980 aerial photographs, the Phase One Property is undeveloped with exception to railway lines oriented in a northwest and southeasterly through the central portion of the Phase One Property. |
| 1988-2002 | GSW Inc. | Industrial | Industrial use | Based on the 1990 aerial photograph, the Phase One Property is undeveloped with exception to railway lines oriented in a northwest and southeasterly through the central portion of the Phase One Property. |
| 2002-2021 | GSW Water Products Inc. | Vacant | Industrial use | Based on the 2006 and 2019 aerial photographs, the Phase One Property is vacant and undeveloped. |
| 2021-Present | A.O. Smith Enterprises Ltd. | Vacant | Industrial use | Based on information from the Client and observations made during the Site reconnaissance, the Phase One Property was vacant and undeveloped. |

Notes:

- 1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies: Agriculture or other use
Commercial use
Community use Industrial use
Institutional use Parkland use
Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached



Table 2 - Table of Potentially Contaminating Activities

| PCA Designation | Location of Potentially Contaminating Activity | Potentially Contaminating Activity | Location of PCA (On-Site or Off-Site) | Distance from Phase One Property (metres) | Location Relative to Inferred Groundwater Flow Direction ¹ | Contributing to an APEC at the Site (Yes/No) | Media Potentially Impacted (Ground Water, Soil and/or Sediment) |
|-----------------|---|---|---------------------------------------|---|---|--|---|
| PCA-1 | Northern portion of the Phase One Property | Other – Historical VOC Groundwater Contamination | On-Site | NA – On-Site PCA | NA - On-Site PCA | Yes | Groundwater |
| PCA-2 | Central portion of the Phase One Property | Item 46 - Rail Yards, Tracks and Spurs | On-Site | NA – On-Site PCA | NA - On-Site PCA | Yes | Soil |
| PCA-3 | Railway line historically located north adjacent to the Phase One Property. | Item 46 - Rail Yards, Tracks and Spurs | Off-Site | North Adjacent | Upgradient | Yes | Soil |
| PCA-4 | 599 Hill Street West | Other – Historical VOC-contaminated groundwater | Off-Site | 15 | Downgradient | Yes | Groundwater |
| PCA-5 | 599 Hill Street West | Other – Various Industrial Manufacturing Operations | Off-Site | 15 | Downgradient | Yes | Groundwater |
| PCA-6 | 599 Hill Street West | Item 28 - Gasoline and Associated Products Storage in Fixed Tanks | Off-Site | 100 | Downgradient | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |
| PCA-7 | 599 Hill Street West | Other – PCB storage and Use | Off-Site | 100 | Downgradient | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |



| | | | | | | | |
|-------|---------------------------|---|----------|-----|----------------------------|--|----------------|
| PCA-8 | 510 Garafraxa Street West | Item 28 - Gasoline and Associated Products Storage in Fixed Tanks | Off-Site | 130 | Transgradient/Downgradient | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |
| PCA-9 | 530 Garafraxa Street | Item 28 - Gasoline and Associated Products Storage in Fixed Tanks | Off-Site | 130 | Transgradient/Downgradient | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |

Notes:

APEC – Area of Potential Environmental Concern

PCA – Potentially Contaminating Activity

1 – Location of PCA relative to the Phase One Property in relation to the inferred groundwater flow direction in the Phase One Study Area



Table 3 - Table of Areas of Potential Environmental Concern

| Area of Potential Environmental Concern ¹ | Location of Area of Potential Environmental Concern on Phase One Property | Potentially Contaminating Activity ² | Location of PCA (On-Site or Off-Site) | Contaminants of Potential Concern ³ | Media Potentially Impacted (Ground Water, Soil and/or Sediment) |
|---|---|---|---------------------------------------|--|---|
| APEC-1 (Historical VOC groundwater contamination along the northern Phase One Property Boundary. Operations at 599 Hill Street West is an inferred source.) | North-central Phase One Property boundary. | Other – Known VOC Groundwater Contamination | On-Site | VOCs | Groundwater |
| APEC-2 (Historical railway line) | Central portion of the Phase One Property. | Item 46 - Rail Yards, Tracks and Spurs | On-Site | PHCs PAHs Metals As, Sb, Se | Soil |
| APEC-3 (Historical railway line located north adjacent to the Phase One Property) | North portion of the Phase One Property Boundary | Item 46 - Rail Yards, Tracks and Spurs | Off-Site | PHCs PAHs Metals As, Sb, Se | Soil |
| APEC-4 (Historical VOC groundwater contamination at 599 Hill Street West) | East portion of the Phase One Property | Other – Historical VOC-contaminated groundwater | Off-Site | VOCs | Groundwater |



| | | | | | |
|--|--|---|----------|---|-------------|
| APEC-5 (Industrial Manufacturing Activities at 599 Hill Street West) | East portion of the Phase One Property | Other – Various Industrial Manufacturing Operations | Off-Site | PHCs BTEX PAHs VOCs Metals As, Sb, Se B-HWS Cr (VI) Hg CN- | Groundwater |
|--|--|---|----------|---|-------------|

Notes:

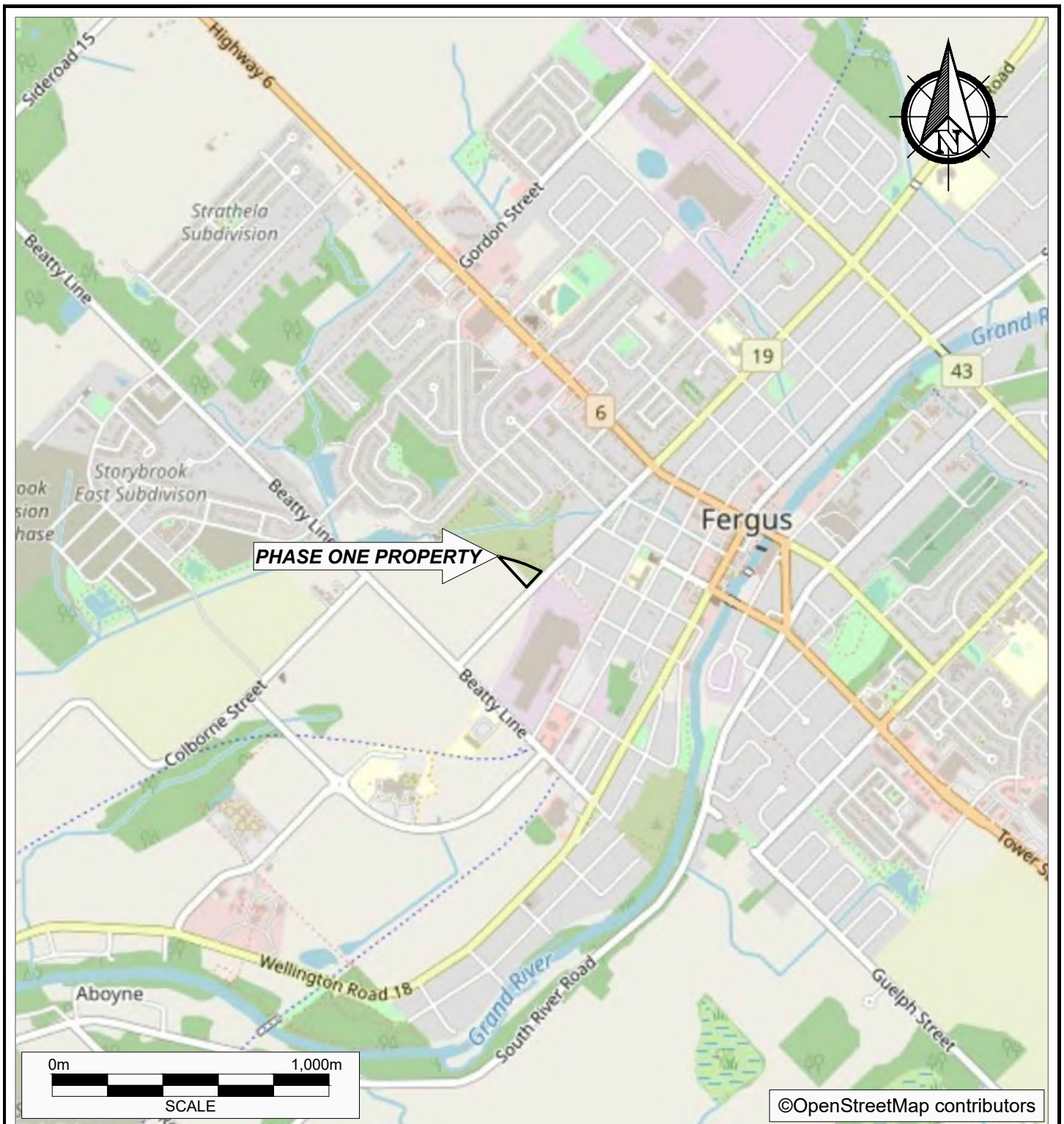
- 1 - Areas of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
 - (a) identification of past or present uses on, in or under the phase one property, and
 - (b) identification of potentially contaminating activity.
- 2 - Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area
- 3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

List of Method Groups:

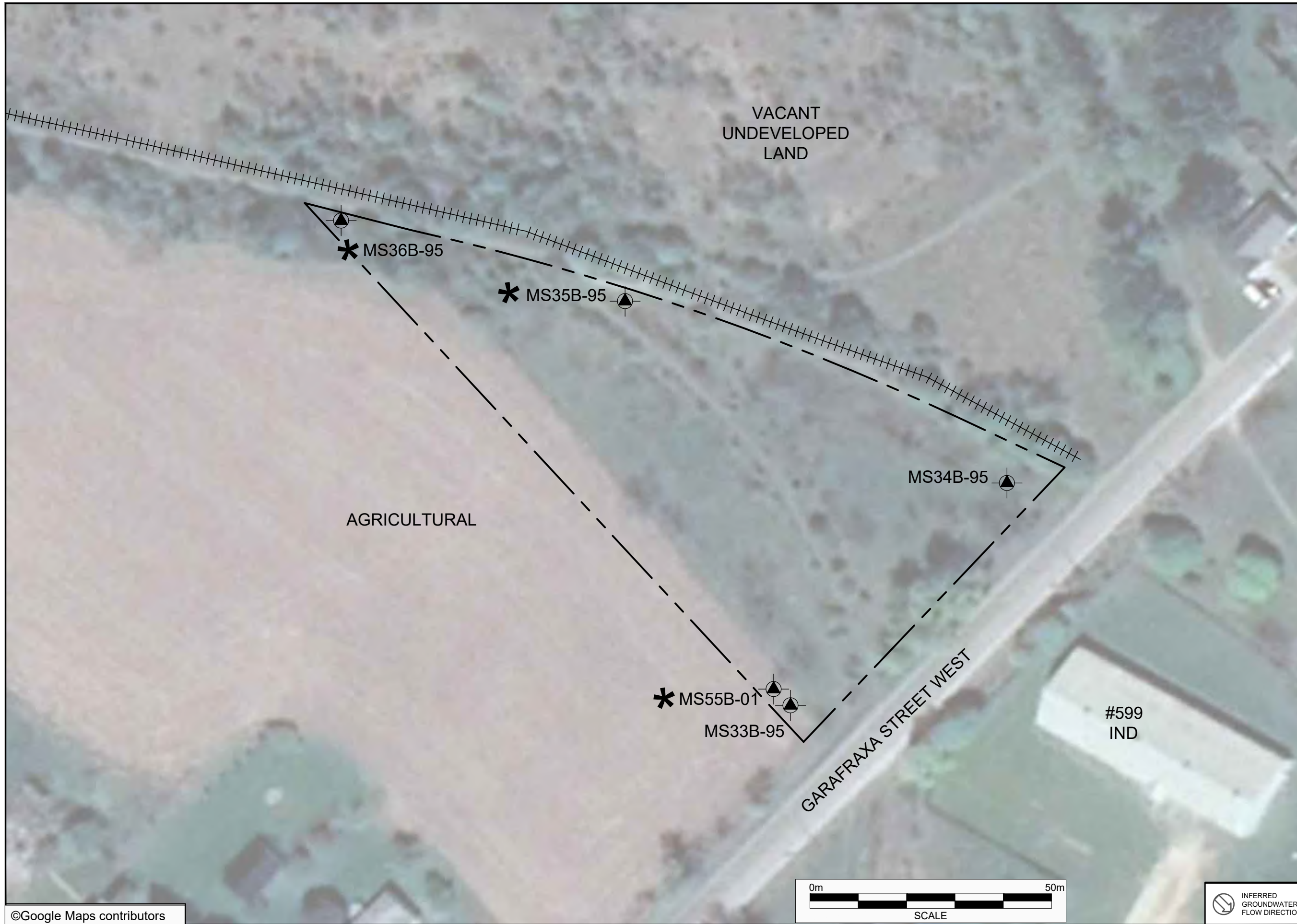
| | | | |
|-----------------------------|--------|------------|-------------------------|
| ABNs | PCBs | Metals | Electrical Conductivity |
| CPs | PAHs | As, Sb, Se | Cr (VI) |
| 1,4-Dioxane | THMs | Na | Hg |
| Dioxins/Furans, PCDDs/PCDFs | VOCs | B-HWS | Methyl Mercury |
| OCs | BTEX | Cl- | Low or high pH, |
| PHCs | Ca, Mg | CN- | SAR |

- 4 - When submitting a record of site condition for filing, a copy of this table must be attached

APPENDIX B
Figures



| | | | |
|--|-------------|-----------|------------|
| PROJECT NAME | | | |
| PHASE ONE ENVIRONMENTAL SITE ASSESSMENT | | | |
| CLIENT NAME | | | |
| HABITAT FOR HUMANITY | | | |
| PROJECT LOCATION | | | |
| 465 GARAFRAXA STREET WEST, FERGUS, ONTARIO | | | |
| FIGURE NAME | | | FIGURE NO. |
| KEY MAP | | | 1 |
| SCALE | PROJECT NO. | DATE | |
| AS SHOWN | 299766 | NOV. 2021 | |



LEGEND

- PHASE ONE PROPERTY BOUNDARY
- ++++ HISTORICAL RAILWAY LINE
- IND INDUSTRIAL
- ⊕ HISTORICAL MONITORING WELL BY OTHERS
- * HISTORICAL WELL

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.



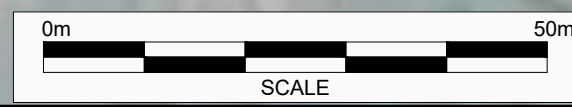
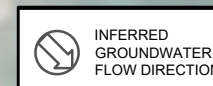
PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
HABITAT FOR HUMANITY

PROJECT LOCATION:
465 GARAFRAXA STREET WEST, FERGUS, ONTARIO

FIGURE NAME:
PHASE ONE PROPERTY

| | |
|---------------------------|---------------------|
| PROJECT NUMBER: 299766 | SCALE: AS SHOWN |
| DRAWN BY: KP | REVIEWED BY: KW |
| DATE: NOV. 2021 | FIGURE NUMBER: 2 |





LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY
- ++++ HISTORICAL RAILWAY LINE
- IND INDUSTRIAL
- RES RESIDENTIAL
- MTR MULTI-TENANT RESIDENTIAL
- INDUSTRIAL/COMMERCIAL/COMMUNITY LAND USE
- RESIDENTIAL/PARKLAND/INSTITUTIONAL LAND USE
- AGRICULTURAL OR OTHER LAND USE
- WATERCOURSE

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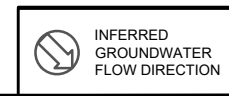
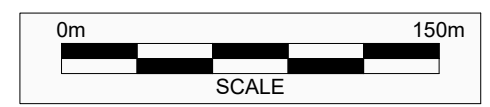
PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

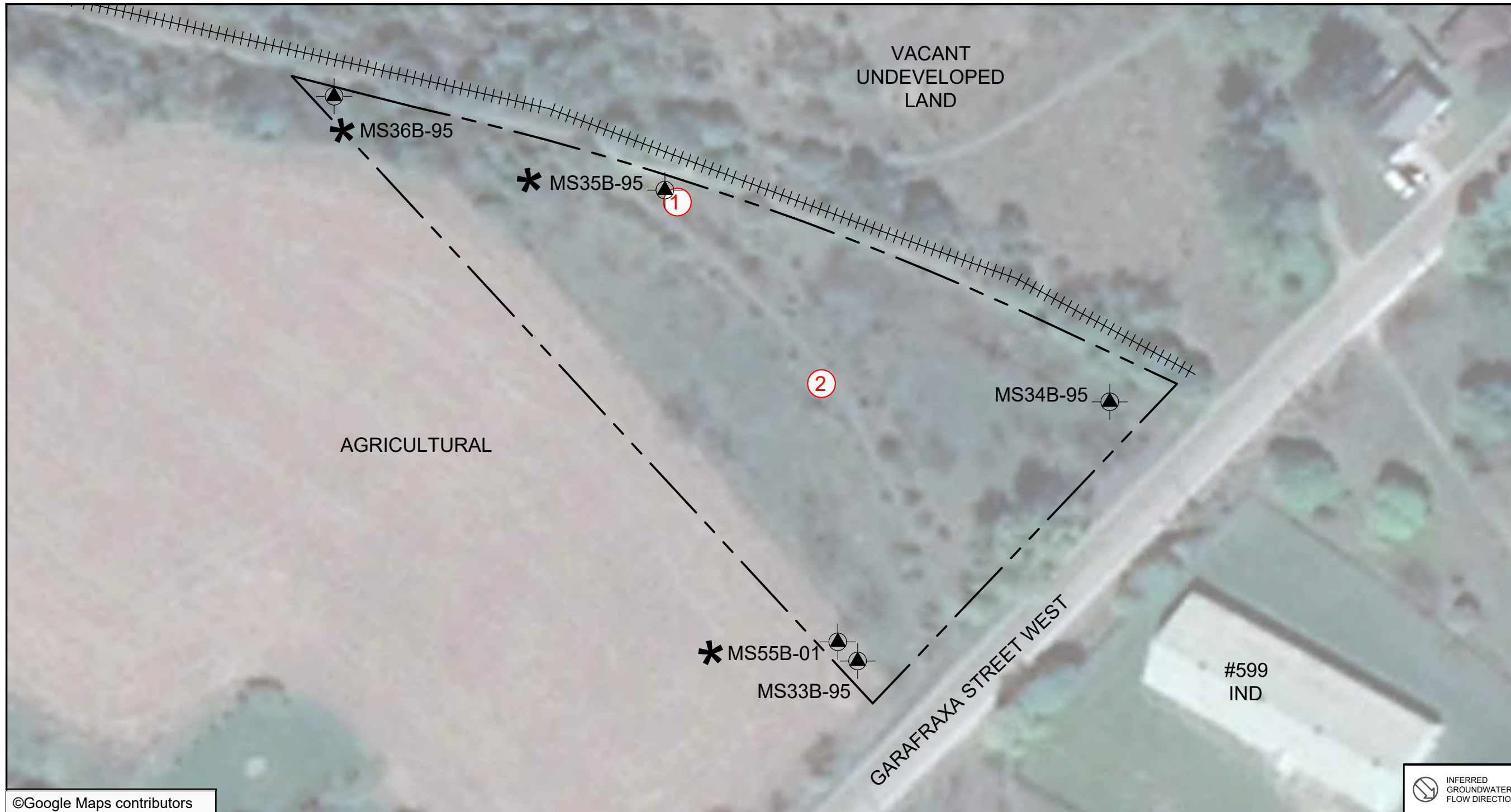
CLIENT NAME:
HABITAT FOR HUMANITY

PROJECT LOCATION:
465 GARAFRAXA STREET WEST, FERGUS, ONTARIO

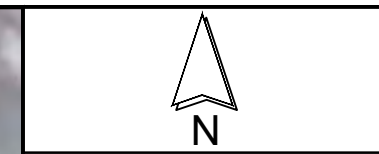
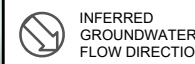
FIGURE NAME:
PHASE ONE STUDY AREA

| | |
|---------------------------|---------------------|
| PROJECT NUMBER: 299766 | SCALE: AS SHOWN |
| DRAWN BY: KP | REVIEWED BY: KW |
| DATE: NOV. 2021 | FIGURE NUMBER: 3 |





©Google Maps contributors



LEGEND

- PHASE ONE PROPERTY BOUNDARY
- ++++ HISTORICAL RAILWAY LINE
- IND INDUSTRIAL
- ▲ HISTORICAL MONITORING WELL BY OTHERS
- * HISTORICAL WELL
- PCA POTENTIALLY CONTAMINATING ACTIVITIES
- # PCA NUMBER CONTRIBUTES TO AN APEC
- # PCA NUMBER DOES NOT CONTRIBUTE TO AN APEC

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PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

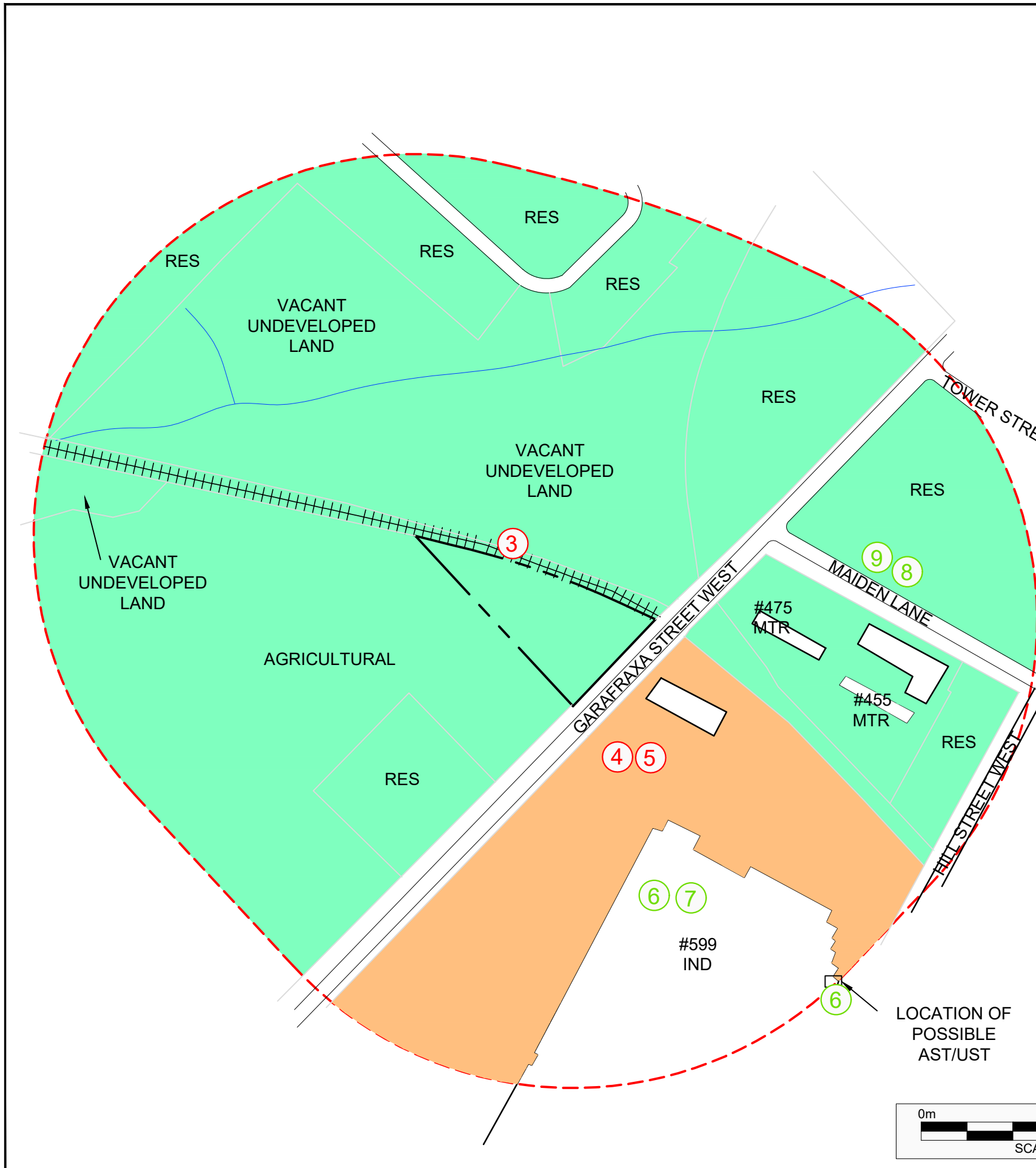
CLIENT NAME:
HABITAT FOR HUMANITY

PROJECT LOCATION:
465 GARAFRAXA STREET WEST, FERGUS, ONTARIO


FIGURE NAME:
POTENTIALLY CONTAMINATING ACTIVITIES ON-SITE

| | |
|---------------------------|---------------------|
| PROJECT NUMBER: 299766 | SCALE: AS SHOWN |
| DRAWN BY: KP | REVIEWED BY: KW |
| DATE: NOV. 2021 | FIGURE NUMBER: 4 |

| PCA Designation | Location of Potentially Contaminating Activity | Potentially Contaminating Activity | Location of PCA (On-Site or Off-Site) | Contributing to an APEC at the Site (Yes/No) | Media Potentially Impacted (Ground Water, Soil and/or Sediment) |
|-----------------|--|--|---------------------------------------|--|---|
| PCA-1 | Northern portion of the Phase One Property | Other – Historical VOC Groundwater Contamination | On-Site | Yes | Groundwater |
| PCA-2 | Central portion of the Phase One Property | Item 46 - Rail Yards, Tracks and Spurs | On-Site | Yes | Soil |



| PCA Designation | Location of Potentially Contaminating Activity | Potentially Contaminating Activity | Location of PCA (On-Site or Off-Site) | Contributing to an APEC at the Site (Yes/No) | Media Potentially Impacted (Ground Water, Soil and/or Sediment) |
|-----------------|---|---|---------------------------------------|--|---|
| PCA-3 | Railway line historically located north adjacent to the Phase One Property. | Item 46 - Rail Yards, Tracks and Spurs | Off-Site | Yes | Soil |
| PCA-4 | 599 Hill Street West | Other - Historical VOC-contaminated groundwater | Off-Site | Yes | Groundwater |
| PCA-5 | 599 Hill Street West | Other - Various Industrial Manufacturing Operations | Off-Site | Yes | Groundwater |
| PCA-6 | 599 Hill Street West | Item 28 - Gasoline and Associated Products Storage in Fixed Tanks | Off-Site | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |
| PCA-7 | 599 Hill Street West | Other - PCB storage and Use | Off-Site | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |
| PCA-8 | 510 Garafraxa Street West | Item 28 - Gasoline and Associated Products Storage in Fixed Tanks | Off-Site | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |
| PCA-9 | 530 Garafraxa Street | Item 28 - Gasoline and Associated Products Storage in Fixed Tanks | Off-Site | No, based on distance from the Phase One Property and inferred groundwater flow direction. | Not Applicable |




N

LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY
- ++++ HISTORICAL RAILWAY LINE
- IND INDUSTRIAL
- RES RESIDENTIAL
- MTR MULTI-TENANT RESIDENTIAL
- INDUSTRIAL/COMMERCIAL/COMMUNITY LAND USE
- RESIDENTIAL/PARKLAND/INSTITUTIONAL LAND USE
- AGRICULTURAL OR OTHER LAND USE
- WATERCOURSE
- PCA POTENTIALLY CONTAMINATING ACTIVITIES
- Ⓝ PCA NUMBER RESULTING IN AN APEC
- Ⓢ PCA NUMBER NOT RESULTING IN AN APEC

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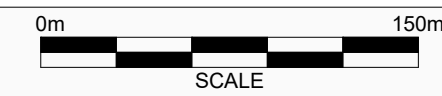
PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
HABITAT FOR HUMANITY


PROJECT LOCATION:
465 GARAFRAXA STREET WEST, FERGUS, ONTARIO

FIGURE NAME:
POTENTIALLY CONTAMINATING ACTIVITIES OFF-SITE

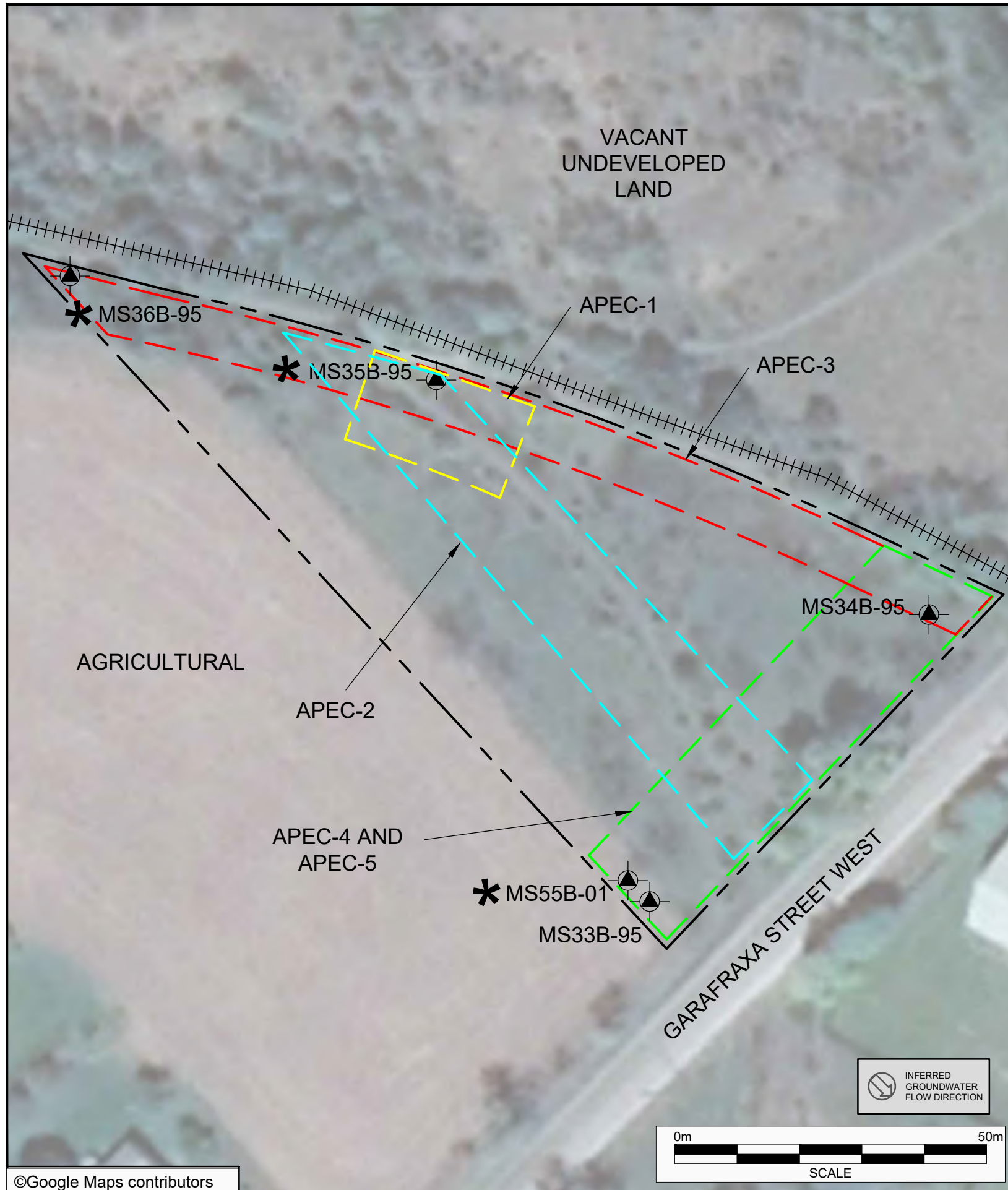
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|---------------------------|---------------------|
| PROJECT NUMBER: 299766 | SCALE: AS SHOWN |
| DRAWN BY: KP | REVIEWED BY: KW |
| DATE: NOV. 2021 | FIGURE NUMBER: 5 |



SCALE

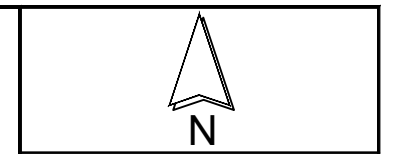


INFERRED GROUNDWATER FLOW DIRECTION



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| Area of Potential Environmental Concern | Location of Area of Potential Environmental Concern on Phase One Property | Potentially Contaminating Activity | Location of PCA (On-Site or Off-Site) | Contaminants of Potential Concern | Media Potentially Impacted (Ground Water, Soil and/or Sediment) |
|---|---|---|---------------------------------------|--|---|
| APEC-1 (Historical VOC groundwater contamination along the northern Phase One Property Boundary. Operations at 599 Hill Street West is an inferred source.) | North-central Phase One Property boundary. | Other – Known VOC Groundwater Contamination | On-Site | VOCs | Groundwater |
| APEC-2 (Historical railway line) | Central portion of the Phase One Property. | Item 46 - Rail Yards, Tracks and Spurs | On-Site | PHCs PAHs Metals As, Sb, Se | Soil |
| APEC-3 (Historical railway line located north adjacent to the Phase One Property) | North portion of the Phase One Property Boundary | Item 46 - Rail Yards, Tracks and Spurs | Off-Site | PHCs PAHs Metals As, Sb, Se | Soil |
| APEC-4 (Historical VOC groundwater contamination at 599 Hill Street West) | South portion of the Phase One Property | Other – Historical VOC-contaminated groundwater | Off-Site | VOCs | Groundwater |
| APEC-5 (Industrial Manufacturing Activities at 599 Hill Street West) | South portion of the Phase One Property | Other – Various Industrial Manufacturing Operations | Off-Site | PHCs BTEX PAHs VOCs Metals As, Sb, Se B-HWS Cr (VI) Hg CN | Groundwater |



- LEGEND**
- PHASE ONE PROPERTY BOUNDARY
 - ++++ HISTORICAL RAILWAY LINE
 - IND INDUSTRIAL
 - ⊙ HISTORICAL MONITORING WELL BY OTHERS
 - * HISTORICAL WELL
 - APEC AREA OF POTENTIAL ENVIRONMENTAL CONCERN
 - APEC-1
 - APEC-2
 - APEC-3
 - APEC-4 AND APEC-5

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PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
HABITAT FOR HUMANITY

PROJECT LOCATION:
465 GARAFRAXA STREET WEST, FERGUS, ONTARIO

FIGURE NAME:
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

| | |
|---------------------------|---------------------|
| PROJECT NUMBER: 299766 | SCALE: AS SHOWN |
| DRAWN BY: KP | REVIEWED BY: KW |
| DATE: NOV. 2021 | FIGURE NUMBER: 6 |

APPENDIX C
Photographs



Photo 1 – West portion of the Phase One Property and an on-site groundwater monitoring well.



Photo 2 – South portion of the Phase One Property and an on-site groundwater monitoring well.



Photo 3 – East portion of the Phase One Property, looking north.



Photo 4 – North portion of the Phase One Property, looking north.



Photo 5 – Looking east of the Phase One Property.



Photo 6 – Looking northwest from Phase One Property.



Photo 7 – Looking south from the Phase One Property, view of industrial operations at 599 Hill Street West.



Photo 8 – Location of historical railway line north adjacent to the Phase One Property, looking south.

APPENDIX D
Survey Plan

PLAN OF SURVEY OF
PART OF BLOCK 4
REGISTERED PLAN 77
 FORMERLY TOWN OF FERGUS
 TOWNSHIP OF CENTRE WELLINGTON
 COUNTY OF WELLINGTON

SCALE 1 : 400

BLACK, SHOEMAKER, ROBINSON & DONALDSON
 A WHOLLY OWNED SUBSIDIARY OF J.D. BARNES LIMITED
METRIC DISTANCES AND/OR COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

NOTES

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999570.

FOR BEARING COMPARISONS, A ROTATION OF 0°01'00" CLOCKWISE WAS APPLIED TO BEARINGS ON P2.

INTEGRATION DATA

OBSERVED REFERENCE POINTS (ORPs): UTM ZONE 17, NAD83 (CSRS) (2010.0).
 COORDINATES TO URBAN ACCURACY PER SECTION 14 (2) OF O.REG 216/10.

| POINT ID | EASTING | NORTHING |
|----------|-------------|---------------|
| ORP (A) | 549 295.387 | 4 839 095.358 |
| ORP (B) | 549 431.376 | 4 839 235.203 |

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

LEGEND

| | | |
|------|---------|--|
| ■ | DENOTES | SURVEY MONUMENT FOUND (375 UNLESS SHOWN OTHERWISE) |
| □ | DENOTES | SURVEY MONUMENT SET |
| SIB | DENOTES | STANDARD IRON BAR |
| SSIB | DENOTES | SHORT STANDARD IRON BAR |
| IB | DENOTES | IRON BAR |
| WIT | DENOTES | WITNESS |
| MEAS | DENOTES | MEASURED |
| 375 | DENOTES | BLACK SHOEMAKER ROBINSON AND DONALDSON LTD |
| VH | DENOTES | VAN HARTEN SURVEYING |
| P1 | DENOTES | DEPOSITED PLAN 61R-10100 |
| P2 | DENOTES | DEPOSITED PLAN 61R-11912 |

ASSOCIATION OF ONTARIO
 LAND SURVEYORS
 PLAN SUBMISSION FORM
 2158381

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR in accordance with Regulation 1026, Section 29(3).

SURVEYOR'S CERTIFICATE

- I CERTIFY THAT:
- THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
 - THE SURVEY WAS COMPLETED ON NOVEMBER 24, 2021.

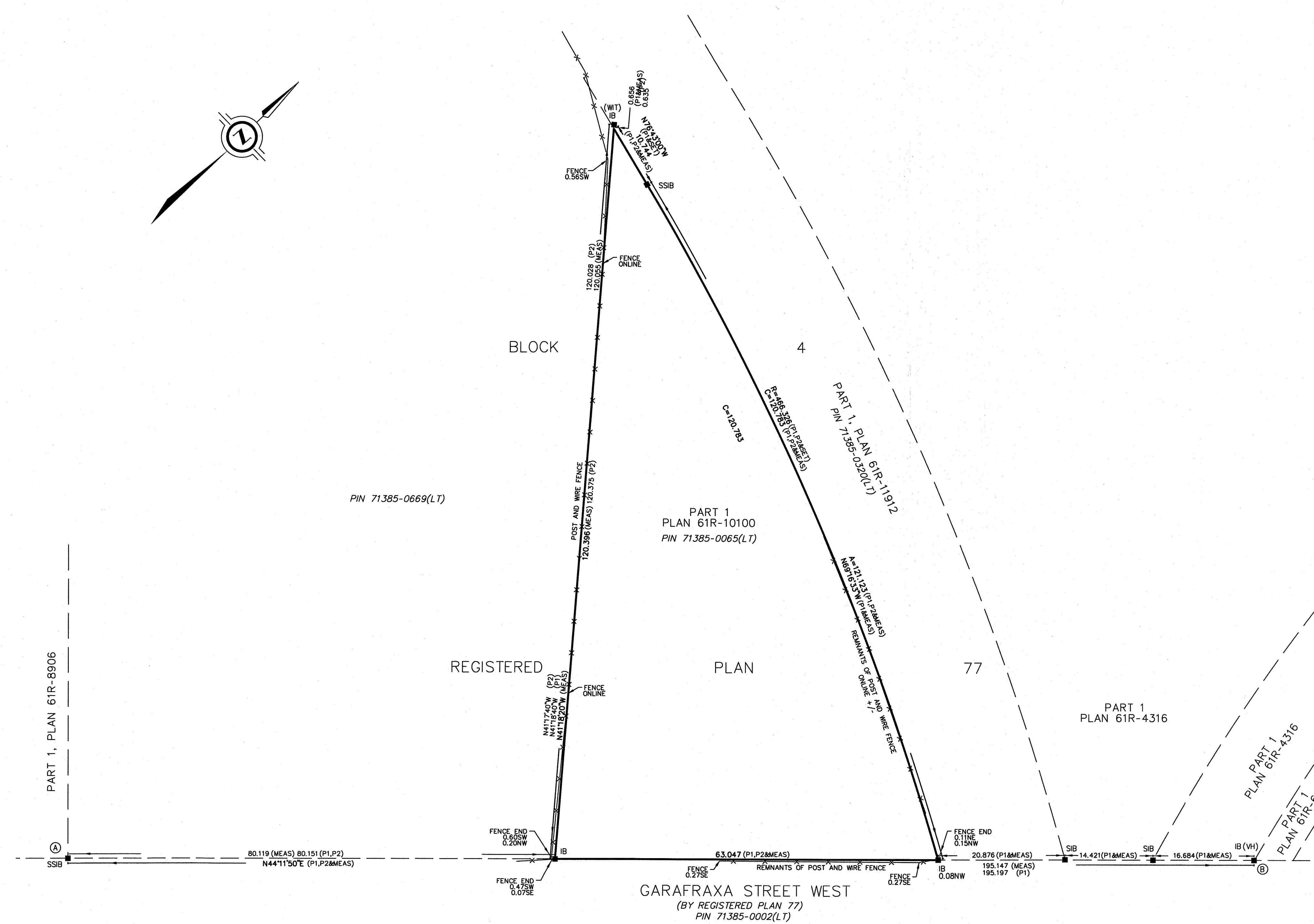
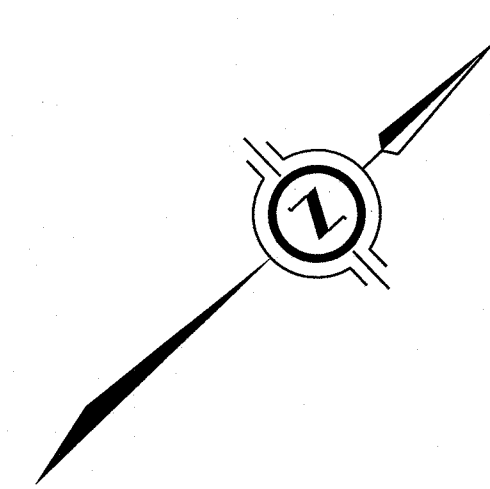
NOVEMBER 25, 2021
 DATE

RAYMOND J. SIBTHORP
 ONTARIO LAND SURVEYOR

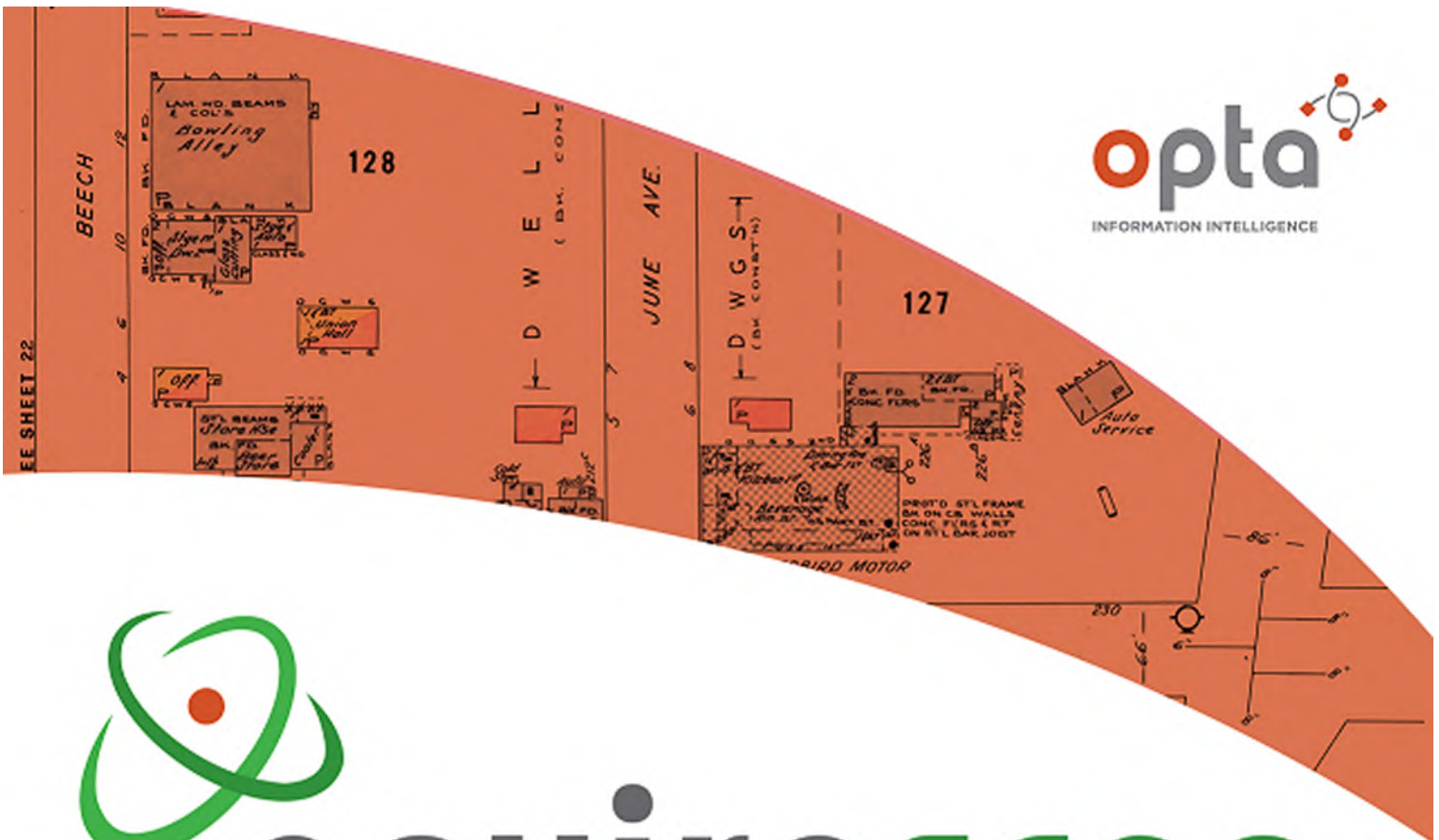
BSR&D ONTARIO LAND SURVEYORS SURVEYING
 URBAN & RURAL PLANNERS MAPPING
 A wholly owned subsidiary of J.D. Barnes Ltd. GIS

257 WOODLAWN ROAD WEST, UNIT 101, GUELPH, ON N1H 8J1
 T: (519) 822-4031 F: (519) 822-1220 www.jdbarnes.com

| | | |
|---------------------|--------------------|--------------------------------|
| DRAWN BY: RJS | CHECKED BY: RJS | REFERENCE NO.: 21-14-609-00 |
| PLOTTED: 11/25/2021 | | DATED: NOV. 25, 2021 |



APPENDIX E
Opta Records



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

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

Report Completed By:
Stephanie

Site Address:

465 Garafraxa Street West Fergus ON

Project No:

21111600359

Opta Order ID:

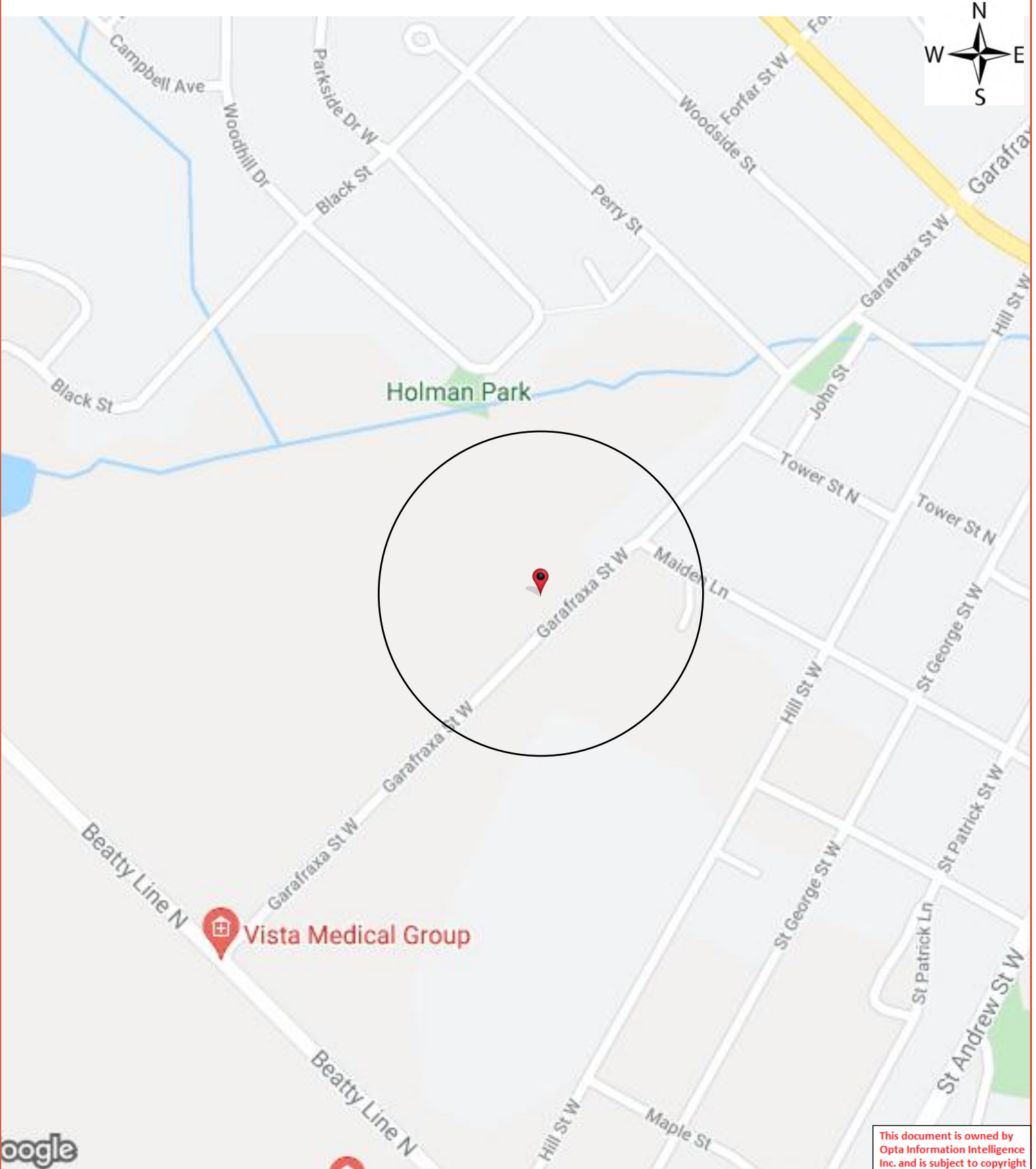
100165

Requested by:

Eleanor Goolab
Ecolog Eris

Date Completed:

11/18/2021 8:51:15 AM



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Opta Historical Environmental Services EnviroscanTM Terms and Conditions

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Law

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

APPENDIX F
Chain of Title Search Results

CHAIN OF TITLE REPORT

Project #: 2110010008
 Address: w/s Garafraxa Street, Fergus
 Legal Description: Pt Blk 4 W Wood Farms Plan 77
as in ROS569340

Searched at: Guelph
 LRO #: 61

Page 1

PIN #: 71385-0065 (LT)

| INSTR # | DOC. TYPE | REG. DATE | PARTY FROM | PARTY TO |
|---------|-----------|------------|------------------------------------|------------------------------------|
| | Patent | 17 04 1807 | Crown | Hon. Thomas CLARK |
| 83 | Deed | 21 10 1834 | Hon. Thomas Clark | Hon. Adam FERGUSON & James WEBSTER |
| 21641 | Deed | 02 05 1864 | Hon. Adam Ferguson & James Webster | George D. FERGUSON |
| 1882 | Deed | 21 04 1887 | George D. Ferguson | Thompson SHERWOOD |
| 3181 | Deed | 30 05 1905 | Thompson Sherwood | Andrew PARKER |
| 3258 | Deed | 03 04 1906 | Andrew Parker | John WOODS |
| 5628 | Deed | 24 04 1928 | John Woods | Beatty Bros. Limited |
| 6977 | Deed | 05 04 1939 | Beatty Bros. Limited | T. Campbell RICHARDSON |
| MS13865 | Easement | 10 05 1960 | T. Campbell Richardson | The Bell Telephone Company |

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 2110010008
 Address: w/s Garafraxa Street, Fergus
 Legal Description: Pt Blk 4 W Wood Farms Plan 77
as in ROS569340

Searched at: Guelph
 LRO #: 61

Page 2

PIN #: 71385-0065 (LT)

| INSTR # | DOC. TYPE | REG. DATE | PARTY FROM | PARTY TO |
|-----------|--------------------------------|------------|--|--|
| M46449 | Deed | 15 04 1965 | T. Campbell Richardson | Thomas W. RICHARDSON & John H. RICHARDSON |
| M126133 | Deed | 22 03 1973 | Thomas W. Richardson & John H. Richardson | The Easy Washing Machine Company Limited |
| ROS569340 | Deed | 10 03 1988 | The Easy Washing Machine Company Limited | GSW Inc. |
| WC15240 | Deed | 23 12 2002 | GSW Inc. | GSW Water Products Inc. |
| WC644384 | Name Change (Present Owner) | 13 08 2021 | GSW Water Products Inc. | A.O. Smith Enterprises Ltd. |

PROPERTY DESCRIPTION: PT BLK 4 W WOOD FARMS PL 77 FERGUS AS IN ROS569340 (FOURTEENTHLY); S/T MS13865;; TOWNSHIP OF CENTRE WELLINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 71385-0391

PIN CREATION DATE:
2000/02/18

OWNERS' NAMES
A.O. SMITH ENTERPRISES LTD.

CAPACITY SHARE
TRUS

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/CHKD |
|---|------------|---|--------|---------------------------------------|--------------------------------------|-----------|
| <p>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/03/30 ON THIS PIN**</p> <p>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/02/18**</p> <p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/02/18 **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *</p> <p>** AND ESCHEATS OR FORFEITURE TO THE CROWN.</p> <p>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF</p> <p>** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY</p> <p>** CONVENTION.</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</p> <p>**DATE OF CONVERSION TO LAND TITLES: 2000/02/21 **</p> | | | | | | |
| MS13865 | 1960/05/10 | TRANSFER EASEMENT | | | THE BELL TELEPHONE COMPANY OF CANADA | C |
| | | REMARKS: SKETCH ATTACHED. | | | | |
| ROS569340 | 1988/03/10 | TRANSFER | | *** DELETED AGAINST THIS PROPERTY *** | GSW INC. | |
| RO812591 | 2000/01/28 | NOTICE | | BELL CANADA | | C |
| | | REMARKS: MS13865 | | | | |
| WC15240 | 2002/12/23 | TRANSFER | | GSW INC. | GSW WATER PRODUCTS INC. | C |
| | | REMARKS: S/T EXECUTION 97-01820 (GSW INC.) IF APPLICABLE; | | | | |
| 61R10100 | 2005/09/16 | PLAN REFERENCE | | | | C |
| WC644384 | 2021/08/13 | APL CH NAME OWNER | | GSW WATER PRODUCTS INC. | A.O. SMITH ENTERPRISES LTD. | C |

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

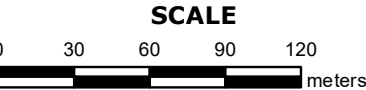
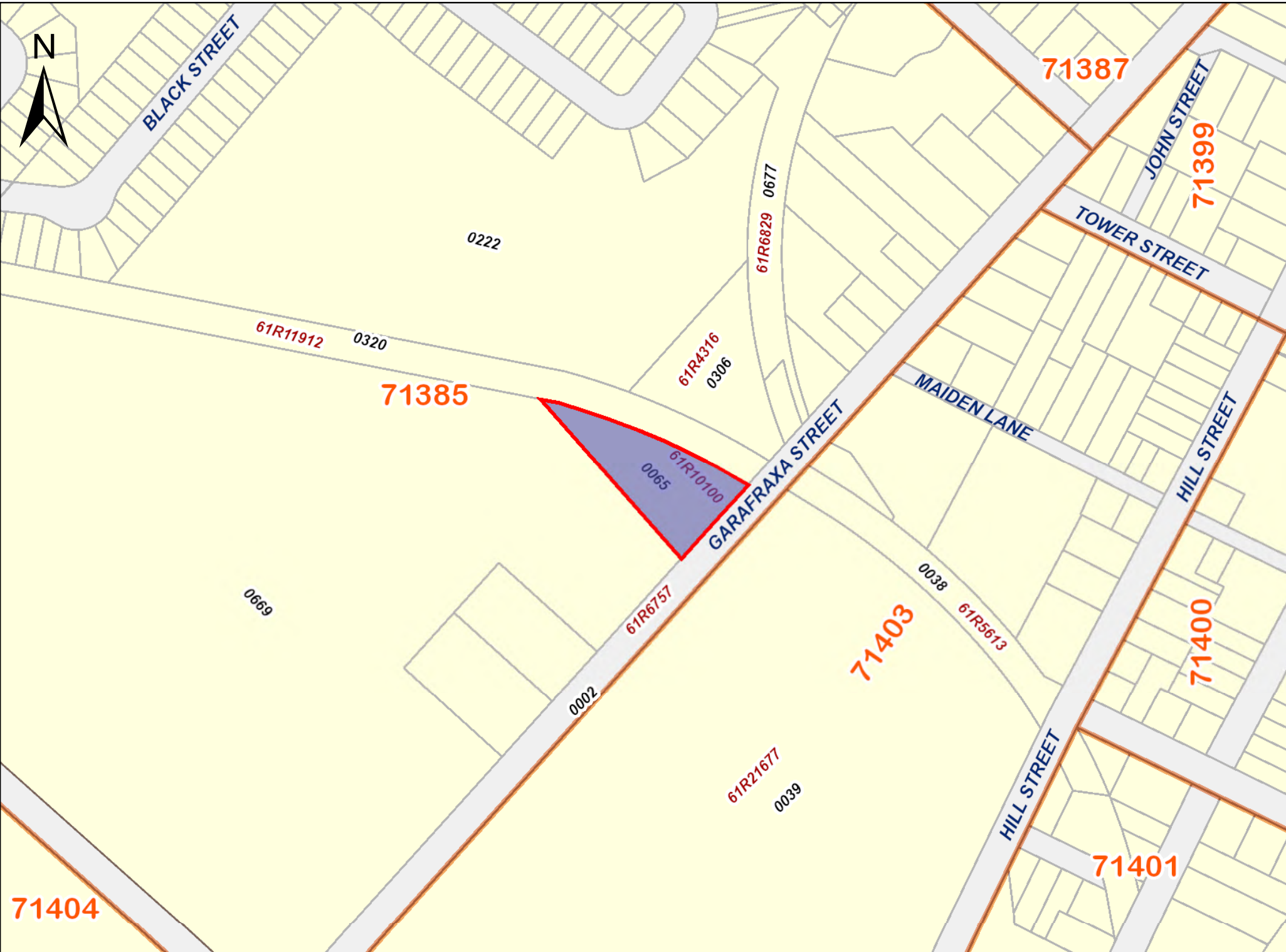
LAND
REGISTRY
OFFICE #61

71385-0065 (LT)

PAGE 2 OF 2
PREPARED FOR bertucci
ON 2021/11/24 AT 15:25:36

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|--|------------|-----------------|--------|---|------------|---------------|
| WC644473 | 2021/08/13 | APL (GENERAL) | | *** COMPLETELY DELETED *** A.O. SMITH ENTERPRISES LTD. | | |
| REMARKS: DELETING S/T EXECUTION 97-01820 | | | | | | |



PROPERTY INDEX MAP
WELLINGTON(No. 61)

LEGEND

| | |
|----------------------------------|-------|
| FREEHOLD PROPERTY | |
| LEASEHOLD PROPERTY | |
| LIMITED INTEREST PROPERTY | |
| CONDOMINIUM PROPERTY | |
| RETIRED PIN (MAP UPDATE PENDING) | |
| PROPERTY NUMBER | 0449 |
| BLOCK NUMBER | 08050 |
| GEOGRAPHIC FABRIC | |
| EASEMENT | |

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



APPENDIX G
ERIS Report



DATABASE REPORT

Project Property: *Phase I ESA
465 Garafraxa Street West
Fergus ON
299766*

Project No: *299766*

Report Type: *Standard Report*

Order No: *21111600359*

Requested by: *Pinchin Ltd.*

Date Completed: *November 17, 2021*

Table of Contents

| | |
|--|-----|
| Table of Contents..... | 2 |
| Executive Summary..... | 3 |
| Executive Summary: Report Summary..... | 4 |
| Executive Summary: Site Report Summary - Project Property..... | 6 |
| Executive Summary: Site Report Summary - Surrounding Properties..... | 7 |
| Executive Summary: Summary By Data Source..... | 18 |
| Map..... | 31 |
| Aerial..... | 32 |
| Topographic Map..... | 33 |
| Detail Report..... | 34 |
| Unplottable Summary..... | 134 |
| Unplottable Report..... | 135 |
| Appendix: Database Descriptions..... | 141 |
| Definitions..... | 150 |

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Executive Summary

Property Information:

Project Property: *Phase I ESA
465 Garafraxa Street West Fergus ON*

Project No: *299766*

Coordinates:

Latitude: *43.7042921*
Longitude: *-80.387068*
UTM Northing: *4,839,212.58*
UTM Easting: *549,384.73*
UTM Zone: *UTM Zone 17T*

Elevation: *1,365 FT
415.94 M*

Order Information:

Order No: *21111600359*
Date Requested: *November 16, 2021*
Requested by: *Pinchin Ltd.*
Report Type: *Standard Report*

Historical/Products:

Aerial Photographs *Aerials - National Collection*
ERIS Xplorer [ERIS Xplorer](#)
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*
Physical Setting Report (PSR) *PSR*
Topographic Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

| <i>Database</i> | <i>Name</i> | <i>Searched</i> | <i>Project Property</i> | <i>Within 0.25 km</i> | <i>Total</i> |
|-----------------|--|-----------------|-------------------------|-----------------------|--------------|
| AAGR | <i>Abandoned Aggregate Inventory</i> | Y | 0 | 0 | 0 |
| AGR | <i>Aggregate Inventory</i> | Y | 0 | 0 | 0 |
| AMIS | <i>Abandoned Mine Information System</i> | Y | 0 | 0 | 0 |
| ANDR | <i>Anderson's Waste Disposal Sites</i> | Y | 0 | 0 | 0 |
| AST | <i>Aboveground Storage Tanks</i> | Y | 0 | 0 | 0 |
| AUWR | <i>Automobile Wrecking & Supplies</i> | Y | 0 | 0 | 0 |
| BORE | <i>Borehole</i> | Y | 0 | 0 | 0 |
| CA | <i>Certificates of Approval</i> | Y | 0 | 24 | 24 |
| CDRY | <i>Dry Cleaning Facilities</i> | Y | 0 | 0 | 0 |
| CFOT | <i>Commercial Fuel Oil Tanks</i> | Y | 0 | 0 | 0 |
| CHEM | <i>Chemical Manufacturers and Distributors</i> | Y | 0 | 0 | 0 |
| CHM | <i>Chemical Register</i> | Y | 0 | 0 | 0 |
| CNG | <i>Compressed Natural Gas Stations</i> | Y | 0 | 0 | 0 |
| COAL | <i>Inventory of Coal Gasification Plants and Coal Tar Sites</i> | Y | 0 | 0 | 0 |
| CONV | <i>Compliance and Convictions</i> | Y | 0 | 0 | 0 |
| CPU | <i>Certificates of Property Use</i> | Y | 0 | 0 | 0 |
| DRL | <i>Drill Hole Database</i> | Y | 0 | 0 | 0 |
| DTNK | <i>Delisted Fuel Tanks</i> | Y | 0 | 1 | 1 |
| EASR | <i>Environmental Activity and Sector Registry</i> | Y | 0 | 0 | 0 |
| EBR | <i>Environmental Registry</i> | Y | 0 | 12 | 12 |
| ECA | <i>Environmental Compliance Approval</i> | Y | 0 | 14 | 14 |
| EEM | <i>Environmental Effects Monitoring</i> | Y | 0 | 0 | 0 |
| EHS | <i>ERIS Historical Searches</i> | Y | 0 | 2 | 2 |
| EIIS | <i>Environmental Issues Inventory System</i> | Y | 0 | 0 | 0 |
| EMHE | <i>Emergency Management Historical Event</i> | Y | 0 | 0 | 0 |
| EPAR | <i>Environmental Penalty Annual Report</i> | Y | 0 | 0 | 0 |
| EXP | <i>List of Expired Fuels Safety Facilities</i> | Y | 0 | 0 | 0 |
| FCON | <i>Federal Convictions</i> | Y | 0 | 0 | 0 |
| FCS | <i>Contaminated Sites on Federal Land</i> | Y | 0 | 0 | 0 |
| FOFT | <i>Fisheries & Oceans Fuel Tanks</i> | Y | 0 | 0 | 0 |
| FRST | <i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i> | Y | 0 | 0 | 0 |
| FST | <i>Fuel Storage Tank</i> | Y | 0 | 0 | 0 |
| FSTH | <i>Fuel Storage Tank - Historic</i> | Y | 0 | 0 | 0 |
| GEN | <i>Ontario Regulation 347 Waste Generators Summary</i> | Y | 0 | 21 | 21 |
| GHG | <i>Greenhouse Gas Emissions from Large Facilities</i> | Y | 0 | 0 | 0 |
| HINC | <i>TSSA Historic Incidents</i> | Y | 0 | 0 | 0 |
| IAFT | <i>Indian & Northern Affairs Fuel Tanks</i> | Y | 0 | 0 | 0 |

| Database | Name | Searched | Project Property | Within 0.25 km | Total |
|-----------------|--|-----------------|-------------------------|-----------------------|--------------|
| INC | <i>Fuel Oil Spills and Leaks</i> | Y | 0 | 0 | 0 |
| LIMO | <i>Landfill Inventory Management Ontario</i> | Y | 0 | 1 | 1 |
| MINE | <i>Canadian Mine Locations</i> | Y | 0 | 0 | 0 |
| MNR | <i>Mineral Occurrences</i> | Y | 0 | 0 | 0 |
| NATE | <i>National Analysis of Trends in Emergencies System (NATES)</i> | Y | 0 | 0 | 0 |
| NCPL | <i>Non-Compliance Reports</i> | Y | 0 | 1 | 1 |
| NDFT | <i>National Defense & Canadian Forces Fuel Tanks</i> | Y | 0 | 0 | 0 |
| NDSP | <i>National Defense & Canadian Forces Spills</i> | Y | 0 | 0 | 0 |
| NDWD | <i>National Defence & Canadian Forces Waste Disposal Sites</i> | Y | 0 | 0 | 0 |
| NEBI | <i>National Energy Board Pipeline Incidents</i> | Y | 0 | 0 | 0 |
| NEBP | <i>National Energy Board Wells</i> | Y | 0 | 0 | 0 |
| NEES | <i>National Environmental Emergencies System (NEES)</i> | Y | 0 | 0 | 0 |
| NPCB | <i>National PCB Inventory</i> | Y | 0 | 3 | 3 |
| NPRI | <i>National Pollutant Release Inventory</i> | Y | 0 | 23 | 23 |
| OGWE | <i>Oil and Gas Wells</i> | Y | 0 | 0 | 0 |
| OGW | <i>Ontario Oil and Gas Wells</i> | Y | 0 | 0 | 0 |
| OPCB | <i>Inventory of PCB Storage Sites</i> | Y | 0 | 4 | 4 |
| ORD | <i>Orders</i> | Y | 0 | 0 | 0 |
| PAP | <i>Canadian Pulp and Paper</i> | Y | 0 | 0 | 0 |
| PCFT | <i>Parks Canada Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| PES | <i>Pesticide Register</i> | Y | 0 | 0 | 0 |
| PINC | <i>Pipeline Incidents</i> | Y | 0 | 0 | 0 |
| PRT | <i>Private and Retail Fuel Storage Tanks</i> | Y | 0 | 1 | 1 |
| PTTW | <i>Permit to Take Water</i> | Y | 0 | 5 | 5 |
| REC | <i>Ontario Regulation 347 Waste Receivers Summary</i> | Y | 0 | 0 | 0 |
| RSC | <i>Record of Site Condition</i> | Y | 0 | 0 | 0 |
| RST | <i>Retail Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| SCT | <i>Scott's Manufacturing Directory</i> | Y | 0 | 7 | 7 |
| SPL | <i>Ontario Spills</i> | Y | 0 | 2 | 2 |
| SRDS | <i>Wastewater Discharger Registration Database</i> | Y | 0 | 0 | 0 |
| TANK | <i>Anderson's Storage Tanks</i> | Y | 0 | 0 | 0 |
| TCFT | <i>Transport Canada Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| VAR | <i>Variances for Abandonment of Underground Storage Tanks</i> | Y | 0 | 0 | 0 |
| WDS | <i>Waste Disposal Sites - MOE CA Inventory</i> | Y | 0 | 0 | 0 |
| WDSH | <i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i> | Y | 0 | 0 | 0 |
| WWIS | <i>Water Well Information System</i> | Y | 0 | 7 | 7 |
| Total: | | | 0 | 128 | 128 |

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

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|---|--|---------------------|----------------------|--------------------|
| 1 | WWIS | | 599 HILL ST. W FERGUS ON <i>Well ID: 7240275</i> | ESE/81.6 | 0.22 | 34 |
| 2 | WWIS | | ON <i>Well ID: 6711703</i> | SSW/111.5 | -0.08 | 36 |
| 3 | WWIS | | ON <i>Well ID: 6711704</i> | S/116.7 | -0.08 | 39 |
| 4 | WWIS | | ON <i>Well ID: 6711705</i> | SE/119.5 | 0.23 | 41 |
| 5 | GEN | Petro Canada | 510 Garafraxa Fergus ON | ENE/164.4 | -0.38 | 44 |
| 5 | GEN | Petro Canada | 510 Garafraxa Fergus ON | ENE/164.4 | -0.38 | 44 |
| 6 | WWIS | | 599 HILL ST FERGUS ON <i>Well ID: 7203112</i> | SE/174.8 | -0.08 | 44 |
| 7 | WWIS | | ON <i>Well ID: 6711706</i> | SSE/175.2 | -0.08 | 47 |
| 8 | CA | GSW WATER PRODUCTS COMPANY | 599 HILL STREET W. FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 49 |
| 8 | CA | GSW WATER PRODUCTS COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 49 |
| 8 | CA | GSW WATER PRODUCTS COMPANY, A DIV.OF GSW | 599 HILL STREET W. FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 50 |
| 8 | CA | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 50 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|--|--|---------------------|----------------------|--------------------|
| 8 | CA | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 50 |
| 8 | SCT | GSW WATER HEATING COMPANY | 599 HILL ST W FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | 51 |
| 8 | SCT | GSW PUMP COMPANY | 599 HILL ST W FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | 51 |
| 8 | NPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 51 |
| 8 | SPL | GSW WATER PRODUCTS COMPANY | 599 HILL ST. WEST FERGUS PLANT 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 52 |
| 8 | PRT | GSW WATER HEATING CO ATTN MICHAEL NIEDZWIECKI | 599 HILL ST W FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 52 |
| 8 | SCT | GSW WATER HEATING COMPANY | 599 HILL ST W FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 52 |
| 8 | SCT | GSW PUMP COMPANY | 599 HILL ST W FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | 53 |
| 8 | CA | GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 53 |
| 8 | CA | GSW WATER PUMP CO., DIV. OF GSW INC. | 599 HILL STREET FERGUS TOWN ON | SSE/200.2 | -0.08 | 53 |
| 8 | CA | GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 54 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 54 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 55 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|---|---|---------------------|----------------------|--------------------|
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 56 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 57 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 58 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 59 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 60 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 60 |
| 8 | SCT | GSW Water Heating Company - Div. of GSW Inc. | 599 Hill St W Fergus ON N1M 1G6 | SSE/200.2 | -0.08 | 61 |
| 8 | CA | G S W WATER PROD.CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 61 |
| 8 | CA | G S W WATER PRODUCTS CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 62 |
| 8 | CA | G S W WATER PROD.CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 62 |
| 8 | CA | G S W WATER PROD.CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 62 |
| 8 | CA | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 63 |
| 8 | CA | GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE/200.2 | -0.08 | 63 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------------|-----------|--|--|---------------------|----------------------|---------------------------|
| <u>8</u> | CA | GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET EAST FERGUS TOWN ON | SSE/200.2 | -0.08 | <u>63</u> |
| <u>8</u> | CA | GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET EAST FERGUS TOWN ON | SSE/200.2 | -0.08 | <u>64</u> |
| <u>8</u> | CA | | 599 Hill Street West Centre Wellington ON | SSE/200.2 | -0.08 | <u>64</u> |
| <u>8</u> | CA | | 599 Hill Street West Centre Wellington ON | SSE/200.2 | -0.08 | <u>64</u> |
| <u>8</u> | CA | | 599 Hill Street West Centre Wellington ON | SSE/200.2 | -0.08 | <u>65</u> |
| <u>8</u> | CA | | 599 Hill Street West Centre Wellington ON | SSE/200.2 | -0.08 | <u>65</u> |
| <u>8</u> | CA | | 599 Hill Street West Centre Wellington ON | SSE/200.2 | -0.08 | <u>65</u> |
| <u>8</u> | EBR | GSW Water Pump Co., Div. of GSW Inc. | 599 HILL STREET WEST, FERGUS TOWN Fergus ON | SSE/200.2 | -0.08 | <u>66</u> |
| <u>8</u> | EBR | GSW Inc. | 599 Hill Street West Fergus ON | SSE/200.2 | -0.08 | <u>66</u> |
| <u>8</u> | EBR | GSW Inc. | 599 HILL STREET WEST, FERGUS TOWN Fergus ON | SSE/200.2 | -0.08 | <u>66</u> |
| <u>8</u> | EBR | GSW Water Heating Co., Div. of GSW Inc. | 599 Hill Street West Fergus ON | SSE/200.2 | -0.08 | <u>67</u> |
| <u>8</u> | EBR | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | <u>67</u> |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|---|---|---------------------|----------------------|--------------------|
| 8 | EBR | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | 68 |
| 8 | EBR | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | 68 |
| 8 | EBR | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | 69 |
| 8 | PTTW | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Fergus, ON NICHOL ON | SSE/200.2 | -0.08 | 69 |
| 8 | EHS | | 599 Hill Street West Fergus ON N1M 1G6 | SSE/200.2 | -0.08 | 70 |
| 8 | NPRI | GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 70 |
| 8 | EBR | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | 71 |
| 8 | OPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 71 |
| 8 | OPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 72 |
| 8 | OPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 72 |
| 8 | OPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 72 |
| 8 | GEN | GSW WATER PRODUCTS COMPANY | DIVISION OF GSW INC. 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | 73 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------------|-----------|----------------------------------|--|---------------------|----------------------|---------------------------|
| <u>8</u> | GEN | GSW WATER HEATING COMPANY 18-041 | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | <u>73</u> |
| <u>8</u> | GEN | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | <u>74</u> |
| <u>8</u> | GEN | GENERAL STEELWARES INC. | 599 HILL ST. W. FERGUS ON N1M 1G6 | SSE/200.2 | -0.08 | <u>75</u> |
| <u>8</u> | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>75</u> |
| <u>8</u> | SCT | GSW Water Heating | 599 Hill St W Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>78</u> |
| <u>8</u> | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>78</u> |
| <u>8</u> | GEN | GSW WATER HEATING | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>81</u> |
| <u>8</u> | EHS | | 599 Hill Street West Fergus ON N1M 1G6 | SSE/200.2 | -0.08 | <u>82</u> |
| <u>8</u> | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>82</u> |
| <u>8</u> | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>85</u> |
| <u>8</u> | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>88</u> |
| <u>8</u> | PTTW | A.O. Smith Enterprises Ltd. | 599 Hill Street West Centre Wellington Ontario N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | <u>89</u> |
| <u>8</u> | PTTW | GSW Inc. | 599 Hill Street West, Fergus Fergus ON | SSE/200.2 | -0.08 | <u>90</u> |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|---|---|---------------------|----------------------|--------------------|
| 8 | EBR | GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | 90 |
| 8 | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 91 |
| 8 | NPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | 93 |
| 8 | NPCB | GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE/200.2 | -0.08 | 93 |
| 8 | SCT | A. O. Smith Enterprises Ltd. | 599 Hill St W Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | 93 |
| 8 | NPRI | GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 94 |
| 8 | SPL | Praxair Canada Inc. | 599 Hill St W Centre Wellington ON N1M 1G6 | SSE/200.2 | -0.08 | 95 |
| 8 | CA | GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON | SSE/200.2 | -0.08 | 96 |
| 8 | CA | GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON | SSE/200.2 | -0.08 | 96 |
| 8 | CA | A.O. Smith Enterprises Ltd. | 599 Hill Street West, Fergus Centre Wellington ON | SSE/200.2 | -0.08 | 97 |
| 8 | NPRI | A.O. SMITH WPC CANADA | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 97 |
| 8 | DTNK | GSW WATER HEATING CO ATTN R N DORSCH | 599 HILL ST W FERGUS ON | SSE/200.2 | -0.08 | 99 |
| 8 | NPRI | A.O. SMITH WPC CANADA | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | 99 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------------|-----------|--------------------------------|--|---------------------|----------------------|----------------------------|
| <u>8</u> | GEN | GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE/200.2 | -0.08 | <u>101</u> |
| <u>8</u> | EBR | A.O. Smith Enterprises Ltd. | 599 Hill Street West Centre Wellington, County of Wellington N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | <u>102</u> |
| <u>8</u> | NPRI | A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>102</u> |
| <u>8</u> | GEN | GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE/200.2 | -0.08 | <u>104</u> |
| <u>8</u> | GEN | GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE/200.2 | -0.08 | <u>105</u> |
| <u>8</u> | GEN | GSW WATER HEATING | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>106</u> |
| <u>8</u> | GEN | GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE/200.2 | -0.08 | <u>107</u> |
| <u>8</u> | NPRI | A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>108</u> |
| <u>8</u> | EBR | A.O. Smith Enterprises Ltd. | 599 Hill Street West, Centre Wellington, County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | <u>109</u> |
| <u>8</u> | NPRI | A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>110</u> |
| <u>8</u> | NPRI | A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>111</u> |
| <u>8</u> | PTTW | A.O. Smith Enterprises Ltd. | 599 Hill St W, Geographic Township: NICHOL, Centre Wellington, Township, County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON | SSE/200.2 | -0.08 | <u>112</u> |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------------|-----------|-----------------------------|--|---------------------|----------------------|----------------------------|
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>113</u> |
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 1G6 | SSE/200.2 | -0.08 | <u>113</u> |
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>113</u> |
| <u>8</u> | ECA | A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 1G6 | SSE/200.2 | -0.08 | <u>113</u> |
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>114</u> |
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>114</u> |
| <u>8</u> | ECA | A.O. Smith Enterprises Ltd. | 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>114</u> |
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 1G6 | SSE/200.2 | -0.08 | <u>115</u> |
| <u>8</u> | ECA | GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>115</u> |
| <u>8</u> | GEN | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>115</u> |
| <u>8</u> | GEN | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>116</u> |
| <u>8</u> | GEN | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>117</u> |
| <u>8</u> | GEN | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>118</u> |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---------------------------|-----------|--|---|---------------------|----------------------|----------------------------|
| <u>8</u> | NPRI | A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE/200.2 | -0.08 | <u>119</u> |
| <u>8</u> | ECA | A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>121</u> |
| <u>8</u> | ECA | A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>121</u> |
| <u>8</u> | LIMO | GSW Water Heating Products Unnamed | 599 Hill Street West Lot 9 Centre Wellington ON | SSE/200.2 | -0.08 | <u>121</u> |
| <u>8</u> | ECA | A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 2X1 | SSE/200.2 | -0.08 | <u>122</u> |
| <u>8</u> | NCPL | A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON | SSE/200.2 | -0.08 | <u>122</u> |
| <u>8</u> | GEN | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>123</u> |
| <u>8</u> | PTTW | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus, ON N1M 1J7 Canada ON | SSE/200.2 | -0.08 | <u>123</u> |
| <u>8</u> | GEN | A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE/200.2 | -0.08 | <u>124</u> |
| <u>9</u> | GEN | Suncor Energy Products | 530 Garafraxa Street Fergus ON N1M 2B2 | ENE/211.6 | -1.03 | <u>124</u> |
| <u>9</u> | GEN | Suncor Energy Products | 530 Garafraxa Street Fergus ON N1M 2B2 | ENE/211.6 | -1.03 | <u>125</u> |
| <u>9</u> | GEN | Suncor Energy Products | 530 Garafraxa Street Fergus ON | ENE/211.6 | -1.03 | <u>125</u> |
| <u>10</u> | ECA | The Corporation of the Township of Centre Wellington | Woodside St From Garafraxa St W , to Forfar St Centre Wellington ON N0B 1S0 | NW/212.6 | -6.35 | <u>125</u> |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|--|--|---------------------|----------------------|---------------------|
| 10 | ECA | The Corporation of the Township of Centre Wellington | Woodside St From Garafraxa St W , to Forfar St Centre Wellington ON N0B 1S0 | NW/212.6 | -6.35 | 125 |
| 11 | WWIS | | 585 GARAFRARA ST WEST lot 21 con 15 FERGUS ON Well ID: 6715108 | WSW/237.1 | -0.08 | 126 |

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 24 CA site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|--|-------------------------|----------------------------|--------------------------|
| GSW WATER PRODUCTS COMPANY | 599 HILL STREET W. FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West, Fergus Centre Wellington ON | SSE | 200.22 | <u>8</u> |
| GSW WATER PRODUCTS COMPANY, A DIV.OF GSW | 599 HILL STREET W. FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER PUMP CO., DIV. OF GSW INC. | 599 HILL STREET FERGUS TOWN ON | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| G S W WATER PROD.CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| G S W WATER PRODUCTS CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |

| | | | | |
|--|--|-----|--------|----------|
| G S W WATER PROD.CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| G S W WATER PROD.CO. | 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET EAST FERGUS TOWN ON | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING CO., DIV. OF GSW INC. | 599 HILL STREET EAST FERGUS TOWN ON | SSE | 200.22 | <u>8</u> |
| | 599 Hill Street West Centre Wellington ON | SSE | 200.22 | <u>8</u> |
| | 599 Hill Street West Centre Wellington ON | SSE | 200.22 | <u>8</u> |
| | 599 Hill Street West Centre Wellington ON | SSE | 200.22 | <u>8</u> |
| | 599 Hill Street West Centre Wellington ON | SSE | 200.22 | <u>8</u> |
| | 599 Hill Street West Centre Wellington ON | SSE | 200.22 | <u>8</u> |
| GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON | SSE | 200.22 | <u>8</u> |

| | | | | |
|-------------------------------|--|-----|--------|-------------------|
| GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON | SSE | 200.22 | 8 |
| GSW WATER PRODUCTS COMPANY | 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SSE | 200.22 | 8 |

DTNK - Delisted Fuel Tanks

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

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|---|----------------------------|-------------------------|----------------------------|-----------------------|
| GSW WATER HEATING CO ATTN R N DORSCH | 599 HILL ST W FERGUS ON | SSE | 200.22 | 8 |

EBR - Environmental Registry

A search of the EBR database, dated 1994- Sep 30, 2021 has found that there are 12 EBR site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|---|-------------------------|----------------------------|-----------------------|
| GSW Water Pump Co., Div. of GSW Inc. | 599 HILL STREET WEST, FERGUS TOWN Fergus ON | SSE | 200.22 | 8 |
| GSW Inc. | 599 Hill Street West Fergus ON | SSE | 200.22 | 8 |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West, Centre Wellington, County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Centre Wellington, County of Wellington N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |

| | | | | |
|---|---|-----|--------|-------------------|
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Co., Div. of GSW Inc. | 599 Hill Street West Fergus ON | SSE | 200.22 | 8 |
| GSW Inc. | 599 HILL STREET WEST, FERGUS TOWN Fergus ON | SSE | 200.22 | 8 |

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Aug 31, 2021 has found that there are 14 ECA site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|--|-------------------------|----------------------------|-----------------------|
| A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 2X1 | SSE | 200.22 | 8 |
| GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 2X1 | SSE | 200.22 | 8 |
| GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 1G6 | SSE | 200.22 | 8 |

| | | | | |
|---|---|-----|--------|-----------|
| GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW Inc. | 599 Hill Street West Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW Inc. | 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| The Corporation of the Township of Centre Wellington | Woodside St From Garafraxa St W , to Forfar St Centre Wellington ON N0B 1S0 | NW | 212.61 | <u>10</u> |
| The Corporation of the Township of Centre Wellington | Woodside St From Garafraxa St W , to Forfar St Centre Wellington ON N0B 1S0 | NW | 212.61 | <u>10</u> |

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of

the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|---|------------------|---------------------|--------------------------|
| | 599 Hill Street West Fergus ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| | 599 Hill Street West Fergus ON N1M 1G6 | SSE | 200.22 | <u>8</u> |

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 21 GEN site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------------|---|------------------|---------------------|--------------------------|
| Petro Canada | 510 Garafraxa Fergus ON | ENE | 164.43 | <u>5</u> |
| Petro Canada | 510 Garafraxa Fergus ON | ENE | 164.43 | <u>5</u> |
| GSW WATER PRODUCTS COMPANY | DIVISION OF GSW INC. 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY 18-041 | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GENERAL STEELWARES INC. | 599 HILL ST. W. FERGUS ON N1M 1G6 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE | 200.22 | <u>8</u> |

| | | | | |
|-----------------------------|---|-----|--------|----------|
| GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 Hill Street West Fergus ON | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| Suncor Energy Products | 530 Garafraxa Street Fergus ON | ENE | 211.58 | <u>9</u> |
| Suncor Energy Products | 530 Garafraxa Street Fergus ON N1M 2B2 | ENE | 211.58 | <u>9</u> |
| Suncor Energy Products | 530 Garafraxa Street Fergus ON N1M 2B2 | ENE | 211.58 | <u>9</u> |

LIMO - Landfill Inventory Management Ontario

A search of the LIMO database, dated Feb 28, 2019 has found that there are 1 LIMO site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|---------------------------------------|---|-------------------------|----------------------------|--------------------------|
| GSW Water Heating Products Unnamed | 599 Hill Street West Lot 9 Centre Wellington ON | SSE | 200.22 | <u>8</u> |

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2019 has found that there are 1 NCPL site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|---------------------------------------|-------------------------|----------------------------|--------------------------|
| A.O. Smith Enterprises Ltd. | 599 Hill St W Centre Wellington ON | SSE | 200.22 | <u>8</u> |

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 3 NPCB site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|---|-------------------------|----------------------------|--------------------------|
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE | 200.22 | <u>8</u> |

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 23 NPRI site(s) within approximately 0.25 kilometers of the project property.

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

| | | | | |
|---------------------------|---|-----|--------|----------|
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| GSW WATER HEATING | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| A.O. SMITH WPC CANADA | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |
| A.O. SMITH WPC CANADA | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | <u>8</u> |

| | | | | |
|------------------------------|---|-----|--------|-------------------|
| A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| A.O. SMITH ENTERPRISES LTD. | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | SSE | 200.22 | 8 |

OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004; 2012-Dec 2013 has found that there are 4 OPCB site(s) within approximately 0.25 kilometers of the project property.

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

| | | | | |
|---------------------------|---|-----|--------|-------------------|
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL STREET WEST FERGUS ON N1M 1G6 | SSE | 200.22 | 8 |

PRT - Private and Retail Fuel Storage Tanks

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

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|------------------------------------|-------------------------|----------------------------|-----------------------|
| GSW WATER HEATING CO ATTN MICHAEL NIEDZWIECKI | 599 HILL ST W FERGUS ON N1M 1G6 | SSE | 200.22 | 8 |

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Sep 30, 2021 has found that there are 5 PTTW site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|--|-------------------------|----------------------------|-----------------------|
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Fergus, ON N1M 1J7 Canada ON | SSE | 200.22 | 8 |
| GSW Inc. | 599 Hill Street West, Fergus Fergus ON | SSE | 200.22 | 8 |
| A.O. Smith Enterprises Ltd. | 599 Hill St W, Geographic Township: NICHOL, Centre Wellington, Township, County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
| GSW Water Heating Company, A Division of GSW Inc. | 599 Hill Street West Fergus,ON NICHOL ON | SSE | 200.22 | 8 |

| | | | | |
|-----------------------------|--|-----|--------|-------------------|
| A.O. Smith Enterprises Ltd. | 599 Hill Street West Centre Wellington Ontario N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON ON | SSE | 200.22 | 8 |
|-----------------------------|--|-----|--------|-------------------|

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 7 SCT site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|---|------------------------------------|-------------------------|----------------------------|-----------------------|
| GSW WATER HEATING COMPANY | 599 HILL ST W FERGUS ON N1M 2X1 | SSE | 200.22 | 8 |
| GSW PUMP COMPANY | 599 HILL ST W FERGUS ON N1M 2X1 | SSE | 200.22 | 8 |
| GSW PUMP COMPANY | 599 HILL ST W FERGUS ON N1M 2X1 | SSE | 200.22 | 8 |
| A. O. Smith Enterprises Ltd. | 599 Hill St W Fergus ON N1M 2X1 | SSE | 200.22 | 8 |
| GSW WATER HEATING COMPANY | 599 HILL ST W FERGUS ON N1M 1G6 | SSE | 200.22 | 8 |
| GSW Water Heating Company - Div. of GSW Inc. | 599 Hill St W Fergus ON N1M 1G6 | SSE | 200.22 | 8 |
| GSW Water Heating | 599 Hill St W Fergus ON N1M 2X1 | SSE | 200.22 | 8 |

SPL - Ontario Spills

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

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|---|-------------------------|----------------------------|-----------------------|
| Praxair Canada Inc. | 599 Hill St W Centre Wellington ON N1M 1G6 | SSE | 200.22 | 8 |

GSW WATER PRODUCTS
COMPANY

599 HILL ST. WEST FERGUS PLANT
599 HILL STREET WEST
FERGUS TOWN ON N1M 1G6

SSE

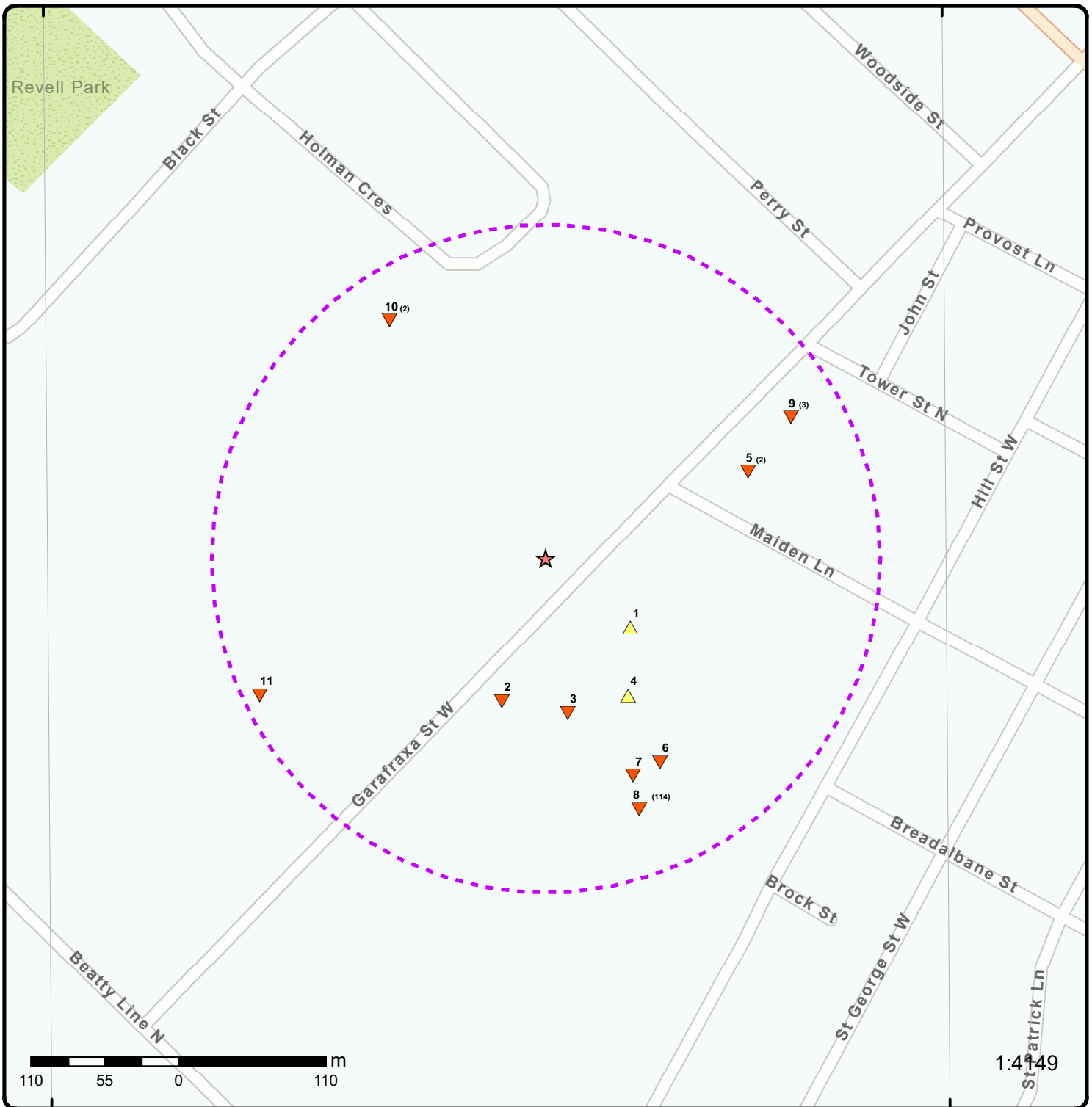
200.22

[8](#)

WWIS - Water Well Information System

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

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|--|-------------------------|----------------------------|---------------------------|
| | 599 HILL ST. W FERGUS ON <i>Well ID: 7240275</i> | ESE | 81.63 | <u>1</u> |
| | ON <i>Well ID: 6711705</i> | SE | 119.49 | <u>4</u> |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
| | ON <i>Well ID: 6711703</i> | SSW | 111.50 | <u>2</u> |
| | ON <i>Well ID: 6711704</i> | S | 116.72 | <u>3</u> |
| | 599 HILL ST FERGUS ON <i>Well ID: 7203112</i> | SE | 174.79 | <u>6</u> |
| | ON <i>Well ID: 6711706</i> | SSE | 175.20 | <u>7</u> |
| | 585 GARAFRARA ST WEST lot 21 con 15 FERGUS ON <i>Well ID: 6715108</i> | WSW | 237.08 | <u>11</u> |



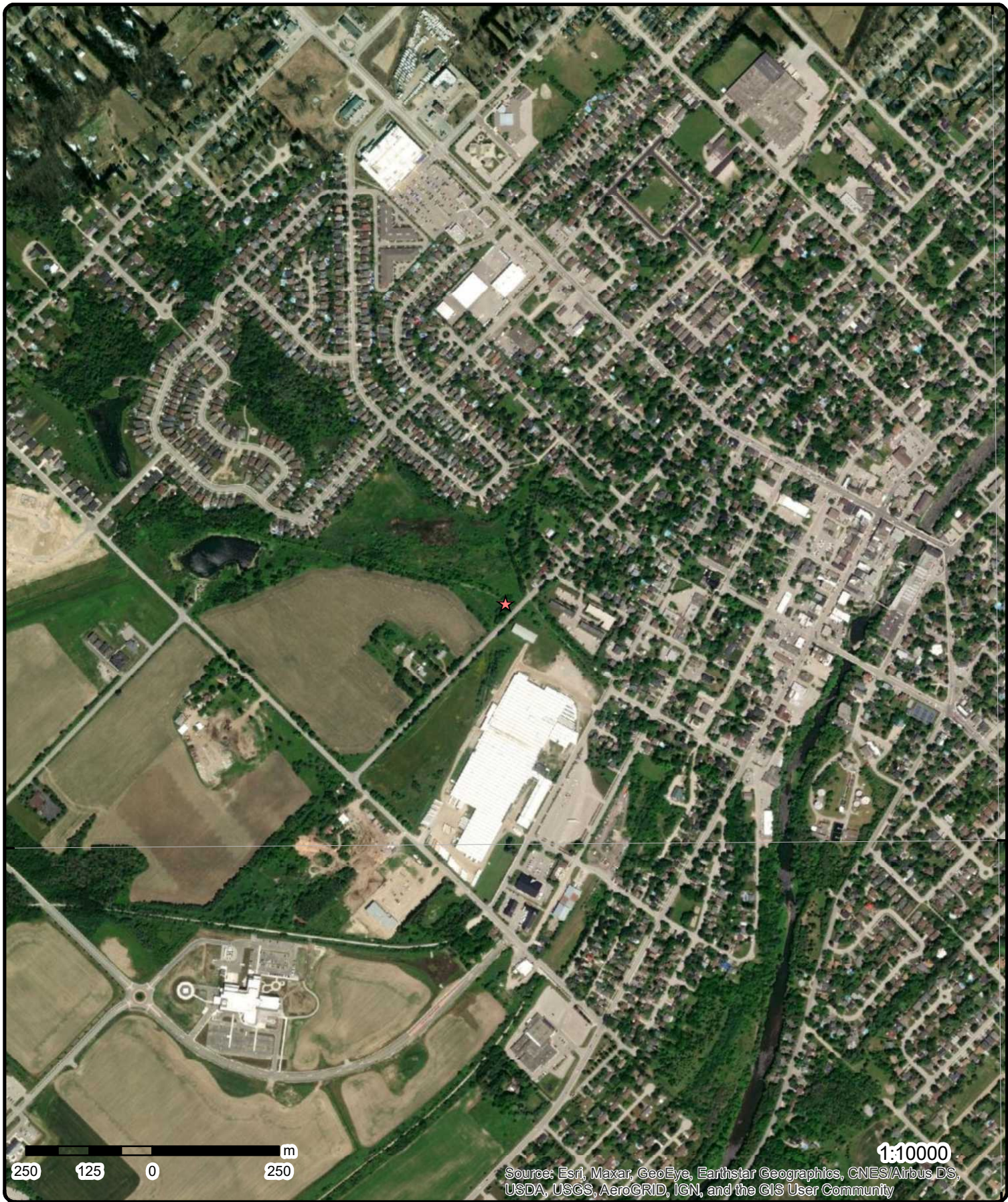
Map: 0.25 Kilometer Radius

Order Number: 21111600359

Address: 465 Garafraxa Street West, Fergus, 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 | Park (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 | |



43°42'N

43°42'N



1:10000

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

Aerial Year: 2020

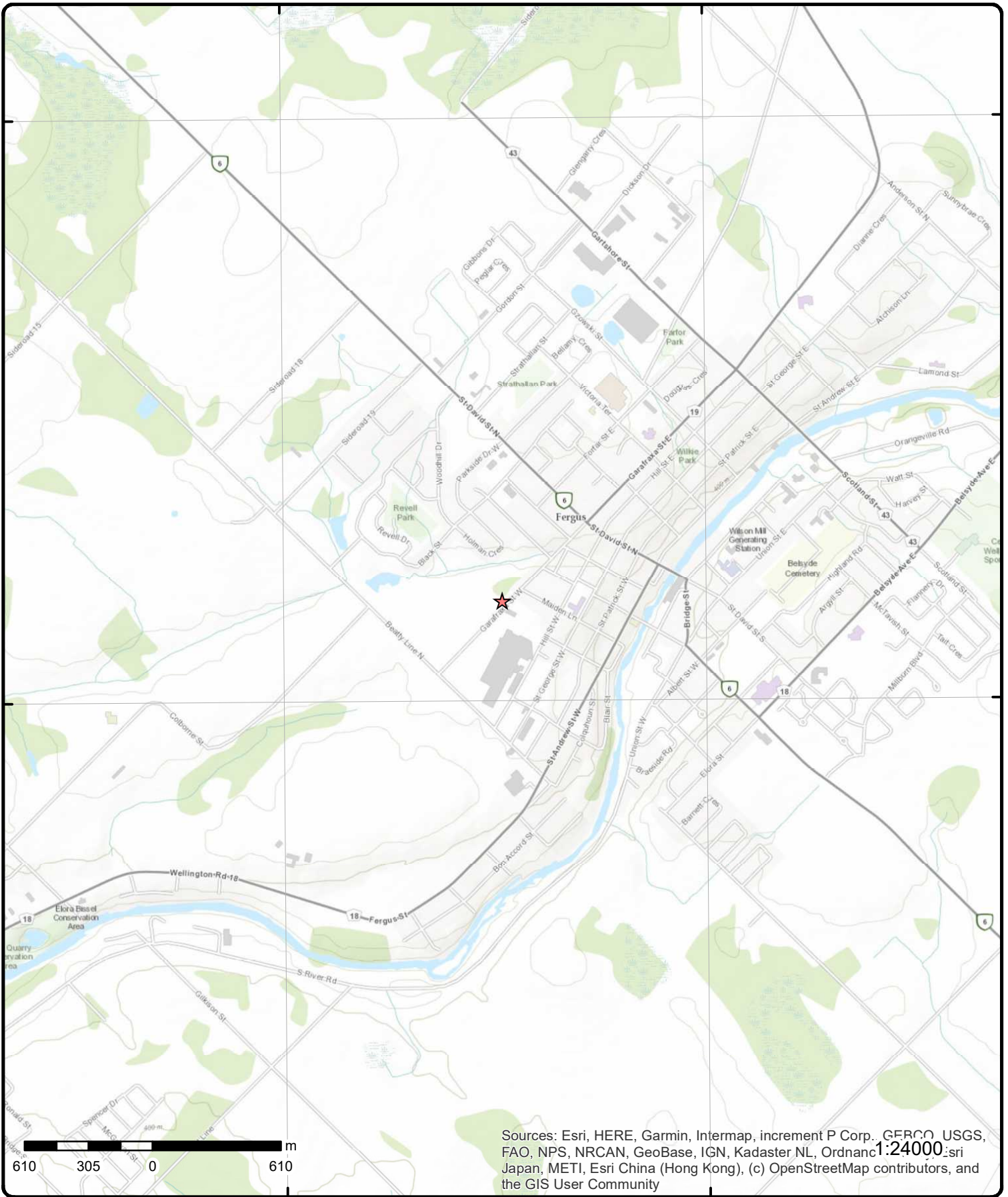
Order Number: 21111600359

Address: 465 Garafraxa Street West, Fergus, ON



Source: ESRI World Imagery

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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

Address: 465 Garafraxa Street West, ON

Source: ESRI World Topographic Map

Order Number: 21111600359



© ERIS Information Limited Partnership

Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------|-------------------|----------------------------|------------------|-----------------------------|-------------------------------|
| 1 | 1 of 1 | ESE/81.6 | 416.2 / 0.22 | 599 HILL ST. W FERGUS ON | WWIS |

Well ID: 7240275
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z206502
Tag: A174819
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 4/22/2015
Selected Flag: True
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 599 HILL ST. W
County: WELLINGTON
Municipality: FERGUS TOWN
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2015/02/23
Year Completed: 2015
Depth (m): 4.572
Latitude: 43.7038234514905
Longitude: -80.3862875319531
Path:

Bore Hole Information

| | |
|---|--|
| <p> Bore Hole ID: 1005327062 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 23-Feb-2015 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </p> | <p> Elevation: 416.833343 Elevrc: Zone: 17 East83: 549448.00 North83: 4839161.00 Org CS: UTM83 UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method: wwr </p> |
|---|--|

Overburden and Bedrock

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 1005605505 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 28 | | | |
| Most Common Material: | | SAND | | | |
| Mat2: | | 11 | | | |
| Mat2 Desc: | | GRAVEL | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 10.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 1005605506 | | | |
| Layer: | | 2 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 34 | | | |
| Most Common Material: | | TILL | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 10.0 | | | |
| Formation End Depth: | | 15.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment</u> | | | | | |
| <u>Sealing Record</u> | | | | | |
| Plug ID: | | 1005605514 | | | |
| Layer: | | 2 | | | |
| Plug From: | | 1 | | | |
| Plug To: | | 9 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment</u> | | | | | |
| <u>Sealing Record</u> | | | | | |
| Plug ID: | | 1005605515 | | | |
| Layer: | | 3 | | | |
| Plug From: | | 9 | | | |
| Plug To: | | 15 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment</u> | | | | | |
| <u>Sealing Record</u> | | | | | |
| Plug ID: | | 1005605513 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 1 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Method of Construction & Well</u> | | | | | |
| <u>Use</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Method Construction ID: | | 1005605512 | | | |
| Method Construction Code: | | 2 | | | |
| Method Construction: | | Rotary (Convent.) | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 1005605504 | | | |
| Casing No: | | 0 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Screen</u> | | | | | |
| Screen ID: | | 1005605510 | | | |
| Layer: | | 1 | | | |
| Slot: | | 10 | | | |
| Screen Top Depth: | | 10 | | | |
| Screen End Depth: | | 15 | | | |
| Screen Material: | | 5 | | | |
| Screen Depth UOM: | | ft | | | |
| Screen Diameter UOM: | | inch | | | |
| Screen Diameter: | | 2.25 | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 1005605508 | | | |
| Layer: | | | | | |
| Kind Code: | | | | | |
| Kind: | | | | | |
| Water Found Depth: | | | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Hole Diameter</u> | | | | | |
| Hole ID: | | 1005605507 | | | |
| Diameter: | | 8.0 | | | |
| Depth From: | | 0.0 | | | |
| Depth To: | | 15.0 | | | |
| Hole Depth UOM: | | ft | | | |
| Hole Diameter UOM: | | inch | | | |

2 1 of 1 **SSW/111.5** **415.9 / -0.08** **ON** **WWIS**

| | | | |
|-------------------------------|-------------------|---------------------------|-------------|
| Well ID: | 6711703 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Not Used | Date Received: | 5/1/1995 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Observation Wells | Abandonment Rec: | |
| Water Type: | | Contractor: | 6370 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152708 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |

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

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711703.pdf

Additional Detail(s) (Map)

Well Completed Date: 1993/07/12
Year Completed: 1993
Depth (m): 6.096
Latitude: 43.7033346517733
Longitude: -80.3874839885937
Path: 671\6711703.pdf

Bore Hole Information

| | | | |
|------------------------|----------------------|-------------------------|-----------------------------|
| Bore Hole ID: | 10475536 | Elevation: | 418.016906 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549352.00 |
| Code OB Desc: | Overburden | North83: | 4839106.00 |
| Open Hole: | | Org CS: | N83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 12-Jul-1993 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | |

Elevrc Desc:
Location Source Date:
Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method: GIS10000
Source Revision Comment: Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line
Supplier Comment: Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.

Overburden and Bedrock

Materials Interval

Formation ID: 932653738
Layer: 1
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932653739
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat2: | | 05 | | | |
| Mat2 Desc: | | CLAY | | | |
| Mat3: | | 11 | | | |
| Mat3 Desc: | | GRAVEL | | | |
| Formation Top Depth: | | 9.0 | | | |
| Formation End Depth: | | 20.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210446 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 3 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210447 | | | |
| Layer: | | 2 | | | |
| Plug From: | | 3 | | | |
| Plug To: | | 13 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 966711703 | | | |
| Method Construction Code: | | A | | | |
| Method Construction: | | Digging | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 11024106 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930774576 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 15 | | | |
| Casing Diameter: | | 2 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Screen</u> | | | | | |
| Screen ID: | | 933385866 | | | |
| Layer: | | 1 | | | |
| Slot: | | 010 | | | |
| Screen Top Depth: | | 20 | | | |
| Screen End Depth: | | 25 | | | |
| Screen Material: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| Screen Depth UOM: | | ft | | | |
| Screen Diameter UOM: | | inch | | | |
| Screen Diameter: | | 2 | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933965744 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 5 | | | |
| Kind: | | Not stated | | | |
| Water Found Depth: | | 9.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|-------------------------------|-------------------|---------|---------------|---------------------------|-------------|
| <u>3</u> | 1 of 1 | S/116.7 | 415.9 / -0.08 | ON | WWIS |
| Well ID: | 6711704 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Not Used | | | Date Received: | 5/1/1995 |
| Sec. Water Use: | | | | Selected Flag: | True |
| Final Well Status: | Observation Wells | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 6370 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | 152709 | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | WELLINGTON |
| Elevation (m): | | | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | |
| Well Depth: | | | | Concession: | |
| Overburden/Bedrock: | | | | Concession Name: | |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711704.pdf

Additional Detail(s) (Map)

Well Completed Date: 1993/07/13
Year Completed: 1993
Depth (m): 6.096
Latitude: 43.7032503602668
Longitude: -80.3868767014873
Path: 671\6711704.pdf

Bore Hole Information

| | | | |
|-------------------------------------|---|-------------------------|-----------------------------|
| Bore Hole ID: | 10475537 | Elevation: | 417.793212 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549401.00 |
| Code OB Desc: | Overburden | North83: | 4839097.00 |
| Open Hole: | | Org CS: | N83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 13-Jul-1993 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | 1999-2004 MOE Water Well Data Improvement Project | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Improvement Location Method: GIS10000 | | | | | |
| Source Revision Comment: Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line | | | | | |
| Supplier Comment: Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932653741 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 06 | | | |
| Most Common Material: | | SILT | | | |
| Mat2: | | 05 | | | |
| Mat2 Desc: | | CLAY | | | |
| Mat3: | | 11 | | | |
| Mat3 Desc: | | GRAVEL | | | |
| Formation Top Depth: | | 9.0 | | | |
| Formation End Depth: | | 20.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932653740 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 06 | | | |
| Most Common Material: | | SILT | | | |
| Mat2: | | 28 | | | |
| Mat2 Desc: | | SAND | | | |
| Mat3: | | 81 | | | |
| Mat3 Desc: | | SANDY | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 9.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210448 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 3 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210449 | | | |
| Layer: | | 2 | | | |
| Plug From: | | 3 | | | |
| Plug To: | | 13 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 966711704 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Method Construction Code: | | 6 | | | |
| Method Construction: | | Boring | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 11024107 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930774577 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 15 | | | |
| Casing Diameter: | | 2 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Screen</u> | | | | | |
| Screen ID: | | 933385867 | | | |
| Layer: | | 1 | | | |
| Slot: | | 010 | | | |
| Screen Top Depth: | | 20 | | | |
| Screen End Depth: | | 25 | | | |
| Screen Material: | | | | | |
| Screen Depth UOM: | | ft | | | |
| Screen Diameter UOM: | | inch | | | |
| Screen Diameter: | | 2 | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933965745 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 5 | | | |
| Kind: | | Not stated | | | |
| Water Found Depth: | | 9.0 | | | |
| Water Found Depth UOM: | | ft | | | |

[4](#)

1 of 1

SE/119.5

416.2 / 0.23

ON

[WWIS](#)

| | | | |
|-------------------------------|-------------------|---------------------------|-------------|
| Well ID: | 6711705 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Not Used | Date Received: | 5/1/1995 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Observation Wells | Abandonment Rec: | |
| Water Type: | | Contractor: | 6370 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152710 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|--|------------------|--|----|
| Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: | | | | Easting NAD83: Northing NAD83: Zone: UTM Reliability: | |
| PDF URL (Map): | | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711705.pdf | | | |
| <u>Additional Detail(s) (Map)</u> | | | | | |
| Well Completed Date: | | 1993/07/13 | | | |
| Year Completed: | | 1993 | | | |
| Depth (m): | | 6.096 | | | |
| Latitude: | | 43.7033644082353 | | | |
| Longitude: | | -80.386317037258 | | | |
| Path: | | 671\6711705.pdf | | | |
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | | 10475538 | | Elevation: 417.386260 | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | Improved | | Zone: 17 | |
| Code OB: | | o | | East83: 549446.00 | |
| Code OB Desc: | | Overburden | | North83: 4839110.00 | |
| Open Hole: | | | | Org CS: N83 | |
| Cluster Kind: | | | | UTMRC: 3 | |
| Date Completed: | | 13-Jul-1993 00:00:00 | | UTMRC Desc: margin of error : 10 - 30 m | |
| Remarks: | | | | Location Method: | |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | 1999-2004 MOE Water Well Data Improvement Project | | | |
| Improvement Location Method: | | GIS10000 | | | |
| Source Revision Comment: | | Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features), measuring from fence line | | | |
| Supplier Comment: | | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 932653743 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 06 | | | |
| Most Common Material: | | SILT | | | |
| Mat2: | | 05 | | | |
| Mat2 Desc: | | CLAY | | | |
| Mat3: | | 11 | | | |
| Mat3 Desc: | | GRAVEL | | | |
| Formation Top Depth: | | 9.0 | | | |
| Formation End Depth: | | 20.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 932653742 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 06 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Most Common Material: | | | | | |
| Mat2: | | SILT | | | |
| Mat2 Desc: | | 28 | | | |
| Mat3: | | SAND | | | |
| Mat3 Desc: | | 81 | | | |
| Formation Top Depth: | | SANDY | | | |
| Formation End Depth: | | 0.0 | | | |
| Formation End Depth UOM: | | 9.0 | | | |
| | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210450 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 3 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210451 | | | |
| Layer: | | 2 | | | |
| Plug From: | | 3 | | | |
| Plug To: | | 13 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 966711705 | | | |
| Method Construction Code: | | 6 | | | |
| Method Construction: | | Boring | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 11024108 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930774578 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 15 | | | |
| Casing Diameter: | | 2 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Screen</u> | | | | | |
| Screen ID: | | 933385868 | | | |
| Layer: | | 1 | | | |
| Slot: | | 010 | | | |
| Screen Top Depth: | | 20 | | | |
| Screen End Depth: | | 25 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|----------------------|---|-------------|
| Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter: 2 | | | | | |
| <u>Water Details</u> | | | | | |
| Water ID: 933965746 Layer: 1 Kind Code: 5 Kind: Not stated Water Found Depth: 9.0 Water Found Depth UOM: ft | | | | | |
| <u>5</u> | 1 of 2 | ENE/164.4 | 415.6 / -0.38 | Petro Canada 510 Garafraxa Fergus ON | GEN |
| Generator No: ON7482398 Status: Approval Years: 2009 Contam. Facility: MHSW Facility: SIC Code: 447190 SIC Description: Other Gasoline Stations PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: | | | | | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: 221 Waste Class Desc: LIGHT FUELS Waste Class: 251 Waste Class Desc: OIL SKIMMINGS & SLUDGES | | | | | |
| <u>5</u> | 2 of 2 | ENE/164.4 | 415.6 / -0.38 | Petro Canada 510 Garafraxa Fergus ON | GEN |
| Generator No: ON7482398 Status: Approval Years: 2010 Contam. Facility: MHSW Facility: SIC Code: 447190 SIC Description: Other Gasoline Stations PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: | | | | | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: 221 Waste Class Desc: LIGHT FUELS Waste Class: 251 Waste Class Desc: OIL SKIMMINGS & SLUDGES | | | | | |
| <u>6</u> | 1 of 1 | SE/174.8 | 415.9 / -0.08 | 599 HILL ST FERGUS ON | WWIS |
| Well ID: 7203112 Construction Date: Primary Water Use: Sec. Water Use: Data Entry Status: Data Src: Date Received: 6/11/2013 Selected Flag: True | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|-------------------------|---------------|-------------------------|-------------|
| Final Well Status: | 0 | | | Abandonment Rec: | Yes |
| Water Type: | | | | Contractor: | 7282 |
| Casing Material: | | | | Form Version: | 7 |
| Audit No: | Z161857 | | | Owner: | |
| Tag: | | | | Street Name: | 599 HILL ST |
| Construction Method: | | | | County: | WELLINGTON |
| Elevation (m): | | | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | |
| Well Depth: | | | | Concession: | |
| Overburden/Bedrock: | | | | Concession Name: | |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7203112.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/05/24
Year Completed: 2013
Depth (m):
Latitude: 43.7029126356226
Longitude: -80.3860237803616
Path: 720\7203112.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 1004342321 | Elevation: | 417.478820 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 17 |
| Code OB: | | East83: | 549470.00 |
| Code OB Desc: | | North83: | 4839060.00 |
| Open Hole: | | Org CS: | UTM83 |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 24-May-2013 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | wwr |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Annular Space/Abandonment Sealing Record

Plug ID: 1004930332
Layer: 2
Plug From: 2
Plug To: 6
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004930331
Layer: 1
Plug From: 0
Plug To: 2

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 1004930330 | | | |
| Layer: | | 1 | | | |
| Plug From: | | | | | |
| Plug To: | | | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 1004930329 | | | |
| Method Construction Code: | | | | | |
| Method Construction: | | | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 1004930323 | | | |
| Casing No: | | 0 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 1004930327 | | | |
| Layer: | | | | | |
| Material: | | | | | |
| Open Hole or Material: | | | | | |
| Depth From: | | | | | |
| Depth To: | | | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Screen</u> | | | | | |
| Screen ID: | | 1004930328 | | | |
| Layer: | | | | | |
| Slot: | | | | | |
| Screen Top Depth: | | | | | |
| Screen End Depth: | | | | | |
| Screen Material: | | | | | |
| Screen Depth UOM: | | ft | | | |
| Screen Diameter UOM: | | inch | | | |
| Screen Diameter: | | | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 1004930326 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 9 | | | |
| Kind: | | Other | | | |
| Water Found Depth: | | 3.0 | | | |
| Water Found Depth UOM: | | ft | | | |

Hole Diameter

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------|-------------------|----------------------------|------------------|------|----|
| Hole ID: | | 1004930325 | | | |
| Diameter: | | 2.5 | | | |
| Depth From: | | 0.0 | | | |
| Depth To: | | 6.0 | | | |
| Hole Depth UOM: | | ft | | | |
| Hole Diameter UOM: | | inch | | | |

[7](#) 1 of 1 SSE/175.2 415.9 / -0.08 ON WWIS

| | | | |
|-------------------------------|-------------------|---------------------------|-------------|
| Well ID: | 6711706 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Not Used | Date Received: | 5/1/1995 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Observation Wells | Abandonment Rec: | |
| Water Type: | | Contractor: | 6370 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152711 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711706.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1993/07/14 |
| Year Completed: | 1993 |
| Depth (m): | 6.096 |
| Latitude: | 43.7028239339826 |
| Longitude: | -80.3862729064577 |
| Path: | 671\6711706.pdf |

Bore Hole Information

| | | | |
|-------------------------------------|---|-------------------------|-----------------------------|
| Bore Hole ID: | 10475539 | Elevation: | 417.646087 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549450.00 |
| Code OB Desc: | Overburden | North83: | 4839050.00 |
| Open Hole: | | Org CS: | N83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 14-Jul-1993 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | 1999-2004 MOE Water Well Data Improvement Project | | |
| Improvement Location Method: | GIS10000 | | |
| Source Revision Comment: | Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line | | |
| Supplier Comment: | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932653744 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 06 | | | |
| Most Common Material: | | SILT | | | |
| Mat2: | | 28 | | | |
| Mat2 Desc: | | SAND | | | |
| Mat3: | | 81 | | | |
| Mat3 Desc: | | SANDY | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 9.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932653745 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 06 | | | |
| Most Common Material: | | SILT | | | |
| Mat2: | | 05 | | | |
| Mat2 Desc: | | CLAY | | | |
| Mat3: | | 11 | | | |
| Mat3 Desc: | | GRAVEL | | | |
| Formation Top Depth: | | 9.0 | | | |
| Formation End Depth: | | 20.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210452 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 3 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933210453 | | | |
| Layer: | | 2 | | | |
| Plug From: | | 3 | | | |
| Plug To: | | 13 | | | |
| Plug Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 966711706 | | | |
| Method Construction Code: | | 6 | | | |
| Method Construction: | | Boring | | | |
| Other Method Construction: | | | | | |

Pipe Information

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

Pipe ID: 11024109
 Casing No: 1
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 930774579
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 15
 Casing Diameter: 2
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933385869
 Layer: 1
 Slot: 010
 Screen Top Depth: 20
 Screen End Depth: 25
 Screen Material:
 Screen Depth UOM: ft
 Screen Diameter UOM: inch
 Screen Diameter: 2

Water Details

Water ID: 933965747
 Layer: 1
 Kind Code: 5
 Kind: Not stated
 Water Found Depth: 9.0
 Water Found Depth UOM: ft

| | | | | | |
|-------------------|----------|-----------|---------------|--|----|
| 8 | 1 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER PRODUCTS COMPANY 599 HILL STREET W. FERGUS TOWN ON N1M 1G6 | CA |
|-------------------|----------|-----------|---------------|--|----|

Certificate #: 8-2361-87-
 Application Year: 87
 Issue Date: 1/25/1988
 Approval Type: Industrial air
 Status: Approved in 1988
 Application Type:
 Client Name:
 Client Address:
 Client City:
 Client Postal Code:
 Project Description: ENAMEL SPRAYING
 Contaminants: Suspended Particulate Matter
 Emission Control: Panel Filter

| | | | | | |
|-------------------|----------|-----------|---------------|--|----|
| 8 | 2 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER PRODUCTS COMPANY 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
|-------------------|----------|-----------|---------------|--|----|

Certificate #: 8-2362-87-

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|---|----|
| Application Year: 87 Issue Date: 1/25/1988 Approval Type: Industrial air Status: Approved in 1988 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: BAGHOUSE Contaminants: Suspended Particulate Matter, Iron (Metallic) Emission Control: Baghouse (Incl Vent Fil.) | | | | | |
| 8 | 3 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER PRODUCTS COMPANY, A DIV.OF GSW 599 HILL STREET W. FERGUS TOWN ON N1M 1G6 | CA |
| Certificate #: 8-2023-88- Application Year: 88 Issue Date: 4/25/1988 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: DUST COLL. FOR ABRASIVE BLASTING Contaminants: Suspended Particulate Matter Emission Control: Baghouse (Incl Vent Fil.) | | | | | |
| 8 | 4 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
| Certificate #: 8-2100-91- Application Year: 91 Issue Date: 6/21/1991 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: INSTALL (2) WELDING EXH. DUST COLLECTORS Contaminants: Suspended Particulate Matter Emission Control: Baghouse (Incl Vent Fil.) | | | | | |
| 8 | 5 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
| Certificate #: 8-2031-93- Application Year: 93 Issue Date: 3/10/1993 Approval Type: Industrial air Status: Approved Application Type: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|--|------|
| Client Name: Client Address: Client City: Client Postal Code: Project Description: (2) DISCHARGE STACKS FOR FOAM APP. BOOTH Contaminants: 4-Methylene Bis Phenylene Isocyanate, Nitrogen Oxides Emission Control: | | | | | |
| <u>8</u> | 6 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL ST W FERGUS ON N1M 2X1 | SCT |
| Established: 1847 Plant Size (ft²): 0 Employment: 500 | | | | | |
| --Details-- | | | | | |
| Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing SIC/NAICS Code: 333416 | | | | | |
| Description: All Other General-Purpose Machinery Manufacturing SIC/NAICS Code: 333990 | | | | | |
| Description: Small Electrical Appliance Manufacturing SIC/NAICS Code: 335210 | | | | | |
| Description: Other Major Appliance Manufacturing SIC/NAICS Code: 335229 | | | | | |
| <u>8</u> | 7 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW PUMP COMPANY 599 HILL ST W FERGUS ON N1M 2X1 | SCT |
| Established: 1874 Plant Size (ft²): 120000 Employment: 51 | | | | | |
| --Details-- | | | | | |
| Description: Metal Tank (Heavy Gauge) Manufacturing SIC/NAICS Code: 332420 | | | | | |
| Description: Commercial and Service Industry Machinery Manufacturing SIC/NAICS Code: 333310 | | | | | |
| Description: Pump and Compressor Manufacturing SIC/NAICS Code: 333910 | | | | | |
| <u>8</u> | 8 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 1G6 | NPCB |
| Company Code: F0457 Industry: Site Status: Transaction Date: 1/29/1996 Inspection Date: | | | | | |
| --Details-- | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|--|-----|
| Label: Serial No.: PCB Type/Code: Askarel Location: Item/State: No. of Items: Manufacturer: Status: Stored for Disposal Contents: 400.00 KG | | | | | |
| <u>8</u> | 9 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER PRODUCTS COMPANY 599 HILL ST. WEST FERGUS PLANT 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | SPL |
| Ref No: 57059 Site No: Incident Dt: // Year: Incident Cause: UNDERGROUND TANK LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: CONFIRMED Nature of Impact: Soil contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 9/10/1991 Dt Document Closed: Incident Reason: CORROSION Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: GSW INC. -DIESEL FUEL CONTAMINATION OF SOIL NEAR UNDERGROUND TANKS. Contaminant Qty: | | | | | |
| Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 75401 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type: | | | | | |
| <u>8</u> | 10 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO ATTN MICHAEL NIEDZWIECKI 599 HILL ST W FERGUS ON N1M 1G6 | PRT |
| Location ID: 4862 Type: private Expiry Date: Capacity (L): 0.00 Licence #: 0001059093 | | | | | |
| <u>8</u> | 11 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL ST W FERGUS ON N1M 1G6 | SCT |
| Established: 1874 Plant Size (ft²): 0 Employment: 450 | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|--|------------------|--|------------|
| --Details-- | | | | | |
| Description: | | INDUSTRIAL PROCESS FURNACES AND OVENS | | | |
| SIC/NAICS Code: | | 3567 | | | |
| Description: | | ELECTRIC HOUSEWARES AND FANS | | | |
| SIC/NAICS Code: | | 3634 | | | |
| Description: | | HOUSEHOLD APPLIANCES, NOT ELSEWHERE CLASSIFIED | | | |
| SIC/NAICS Code: | | 3639 | | | |
| Description: | | HEATING EQUIPMENT, EXCEPT ELECTRIC AND WARM AIR FURNACES | | | |
| SIC/NAICS Code: | | 3433 | | | |
| <u>8</u> | 12 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW PUMP COMPANY 599 HILL ST W FERGUS ON N1M 2X1 | SCT |
| Established: | | 1874 | | | |
| Plant Size (ft²): | | 120000 | | | |
| Employment: | | 51 | | | |
| --Details-- | | | | | |
| Description: | | PUMPS AND PUMPING EQUIPMENT | | | |
| SIC/NAICS Code: | | 3561 | | | |
| <u>8</u> | 13 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO., DIV. OF GSW INC. 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
| Certificate #: | | 4-0147-96- | | | |
| Application Year: | | 96 | | | |
| Issue Date: | | 5/20/1997 | | | |
| Approval Type: | | Industrial wastewater | | | |
| Status: | | | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |
| Project Description: | | SHALLOW OVERBURDEN REMEDIATION SYSTEM | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| <u>8</u> | 14 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER PUMP CO., DIV. OF GSW INC. 599 HILL STREET FERGUS TOWN ON | CA |
| Certificate #: | | 8-2011-96- | | | |
| Application Year: | | 96 | | | |
| Issue Date: | | 4/1/1996 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Approved | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |
| Project Description: | | PUMP HAND SPRAY PAINT BOOTH | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|---|------|
| 8 | 15 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO., DIV. OF GSW INC. 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
| <p>Certificate #: 8-2153-96-96 Application Year: 96 Issue Date: 10/11/1996 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: GROUNDWATER TREATMENT SYSTEM Contaminants: Trichloroethylene Emission Control: No Controls,</p> | | | | | |
| 8 | 16 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| <p>NPRI ID: 2409 Other ID: No Other ID: Track ID: 6652 Report ID: Report Type: NPRI Rpt Type ID: 1 Report Year: 1993 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 42987 Fac Name: NOT AVAILABLE Fac Address1: 599 HILL STREET Fac Address2: NOT AVAILABLE Fac Postal Zip: N1M2X1 Facility Lat: 43.7008 Facility Long: -80.3864 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: URL: No of Empl.: Parent Co.: No Parent Co.: Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3352 NAICS 4 Description: Household appliance manufacturing NAICS Code (6 digit): 335229 NAICS 6 Description: Other major appliance manufacturing</p> <p>Org ID: 13284 Submit Date: Last Modified: 5/29/2015 3:28:24 PM Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code: Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email: Latitude: 43.7008 Longitude: -80.3864 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No Streams: Waste Off Sites: No Off Sites: Shutdown: No of Shutdown:</p> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|--|---------------|--|------|
| 8 | 17 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| NPRI ID: 2409 Other ID: TRUE No Other ID: 2 Track ID: 6651 Report ID: Report Type: NPRI Rpt Type ID: 1 Report Year: 1994 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 42987 Fac Name: NOT AVAILABLE Fac Address1: 599 HILL STREET Fac Address2: NOT AVAILABLE Fac Postal Zip: N1M2X1 Facility Lat: 43.7008 Facility Long: -80.3864 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: FALSE URL: No of Empl.: 400 Parent Co.: FALSE No Parent Co.: 0 Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3352 NAICS 4 Description: Household appliance manufacturing NAICS Code (6 digit): 335229 NAICS 6 Description: Other major appliance manufacturing | | Org ID: 13284 Submit Date: Last Modified: 5/29/2015 3:28:24 PM Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code: Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email: Latitude: 43.7008 Longitude: -80.3864 UTM Zone: 17 UTM Northing: 4838609 UTM Easting: 549443 Waste Streams: FALSE No Streams: 0 Waste Off Sites: FALSE No Off Sites: 0 Shutdown: No of Shutdown: | | | |
| <u>Substance Release Report</u> | | | | | |
| Category Type ID: 13 Category Type Desc: All Media Category Type Desc (fr): Rejets à tous les médias Grouping: Total All Media<1t Trans Code: Chem: Copper (and its compounds) Chem (fr): Cuivre (et ses composés) Quantity: 0 Unit: tonnes Basis of Estimate Cd: M Basis of Estimate Desc: M- Monitoring or Direct Measurement - In use from 1994 to 2002 | | | | | |
| Category Type ID: 13 Category Type Desc: All Media Category Type Desc (fr): Rejets à tous les médias Grouping: Total All Media<1t Trans Code: Chem: Methylenebis(phenylisocyanate) Chem (fr): Méthylènebis(phénylisocyanate) | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------|-------------------|---|------------------|------|----|
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 | | | |

| 8 | 18 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|----------------------|
| NPRI ID: | 2409 | | | Org ID: | 13284 |
| Other ID: | Y | | | Submit Date: | 9/26/2001 |
| No Other ID: | 1 | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 6650 | | | Contact ID: | |
| Report ID: | | | | Cont Type: | |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | |
| Report Year: | 1995 | | | Cont Last Name: | |
| Not-Current Rpt?: | No | | | Contact Position: | |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | |
| Fac ID: | 42987 | | | Contact Ph.: | |
| Fac Name: | NOT AVAILABLE | | | Cont Area Code: | |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | |
| Facility Lat: | 43.7008 | | | Contact Fax: | |
| Facility Long: | -80.3864 | | | Contact Email: | |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | 17 |
| Facility Cmnts: | FALSE | | | UTM Northing: | 4838609 |
| URL: | | | | UTM Easting: | 549443 |
| No of Empl.: | 400 | | | Waste Streams: | FALSE |
| Parent Co.: | * | | | No Streams: | 0 |
| No Parent Co.: | 0 | | | Waste Off Sites: | FALSE |
| Pollut Prev Cmnts: | FALSE | | | No Off Sites: | 0 |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|---|
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |
| Trans Code: | |
| Chem: | Methylenebis(phenylisocyanate) |
| Chem (fr): | Méthylènebis(phénylisocyanate) |
| Quantity: | 0 |
| Unit: | tonnes |
| Basis of Estimate Cd: | E |
| Basis of Estimate Desc: | E- Emission Factor - In use from 1994 to 2002 |

| | |
|----------------------------|-----------|
| Category Type ID: | 13 |
| Category Type Desc: | All Media |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|--|------------------|------|----|
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Copper (and its compounds) | | | |
| Chem (fr): | | Cuivre (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | M | | | |
| Basis of Estimate Desc: | | M- Monitoring or Direct Measurement - In use from 1994 to 2002 | | | |

| 8 | 19 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|----------------------|
| NPRI ID: | 2409 | | | Org ID: | 13284 |
| Other ID: | Y | | | Submit Date: | 2/17/1998 |
| No Other ID: | 1 | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 6645 | | | Contact ID: | 110119 |
| Report ID: | | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | THOMAS |
| Report Year: | 1996 | | | Cont Last Name: | GLOVER |
| Not-Current Rpt?: | No | | | Contact Position: | VP MANUFACTURING |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875515 |
| Fac ID: | 42987 | | | Contact Ph.: | 5198431610 |
| Fac Name: | NOT AVAILABLE | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5522 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875515 |
| Facility Long: | -80.3864 | | | Contact Email: | NOT AVAILABLE |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | 17 |
| Facility Cmnts: | FALSE | | | UTM Northing: | 4838609 |
| URL: | | | | UTM Easting: | 549443 |
| No of Empl.: | 450 | | | Waste Streams: | FALSE |
| Parent Co.: | * | | | No Streams: | 0 |
| No Parent Co.: | 0 | | | Waste Off Sites: | TRUE |
| Pollut Prev Cmnts: | FALSE | | | No Off Sites: | 1 |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|--------------------------------|
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |
| Trans Code: | |
| Chem: | Methylenebis(phenylisocyanate) |
| Chem (fr): | Méthylènebis(phénylisocyanate) |
| Quantity: | 0 |
| Unit: | tonnes |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|--|------------------|------|----|
| Basis of Estimate Cd: | | E | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Copper (and its compounds) | | | |
| Chem (fr): | | Cuivre (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | M | | | |
| Basis of Estimate Desc: | | M- Monitoring or Direct Measurement - In use from 1994 to 2002 | | | |

| <u>8</u> | 20 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|----------------------|
| NPRI ID: | 2409 | | | Org ID: | 13284 |
| Other ID: | Y | | | Submit Date: | 6/11/1998 |
| No Other ID: | 1 | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 6649 | | | Contact ID: | 110119 |
| Report ID: | | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | THOMAS |
| Report Year: | 1997 | | | Cont Last Name: | GLOVER |
| Not-Current Rpt?: | No | | | Contact Position: | VP MANUFACTURING |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875515 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5522 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875515 |
| Facility Long: | -80.3864 | | | Contact Email: | NOT AVAILABLE |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | 17 |
| Facility Cmnts: | FALSE | | | UTM Northing: | 4838609 |
| URL: | | | | UTM Easting: | 549443 |
| No of Empl.: | 450 | | | Waste Streams: | FALSE |
| Parent Co.: | * | | | No Streams: | 0 |
| No Parent Co.: | 1 | | | Waste Off Sites: | TRUE |
| Pollut Prev Cmnts: | FALSE | | | No Off Sites: | 1 |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|---------------------------------|
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------|-------------------|----------------------------|------------------|------|----|
| Trans Code: | | ASta | | | |
| Chem: | | Copper (and its compounds) | | | |
| Chem (fr): | | Cuivre (et ses composés) | | | |
| Quantity: | | .005 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |

| 8 | 21 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|----------------------|
| NPRI ID: | 2409 | | | Org ID: | 13284 |
| Other ID: | Y | | | Submit Date: | 5/28/1999 |
| No Other ID: | 1 | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 6653 | | | Contact ID: | 110119 |
| Report ID: | | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | THOMAS |
| Report Year: | 1998 | | | Cont Last Name: | GLOVER |
| Not-Current Rpt?: | No | | | Contact Position: | VP MANUFACTURING |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875515 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5522 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875515 |
| Facility Long: | -80.3864 | | | Contact Email: | NOT AVAILABLE |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | 17 |
| Facility Cmnts: | False | | | UTM Northing: | 4838609 |
| URL: | | | | UTM Easting: | 549443 |
| No of Empl.: | 450 | | | Waste Streams: | False |
| Parent Co.: | Y | | | No Streams: | 0 |
| No Parent Co.: | 1 | | | Waste Off Sites: | Fals |
| Pollut Prev Cmnts: | False | | | No Off Sites: | 1 |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|---------------------------------|
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |
| Trans Code: | ASta |
| Chem: | Copper (and its compounds) |
| Chem (fr): | Cuivre (et ses composés) |
| Quantity: | 0 |
| Unit: | tonnes |
| Basis of Estimate Cd: | O |
| Basis of Estimate Desc: | O- Engineering Estimates |

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

| | | | | | |
|-------------------|-----------|-----------|---------------|--|------|
| 8 | 22 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------|-----------|-----------|---------------|--|------|

| | | | |
|-------------------------------------|-------------------------------------|---------------------------|----------------------|
| NPRI ID: | 2409 | Org ID: | 13284 |
| Other ID: | Y | Submit Date: | 5/30/2000 |
| No Other ID: | 1 | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 6648 | Contact ID: | 110119 |
| Report ID: | | Cont Type: | MED |
| Report Type: | NPRI | Contact Title: | |
| Rpt Type ID: | 1 | Cont First Name: | THOMAS |
| Report Year: | 1999 | Cont Last Name: | GLOVER |
| Not-Current Rpt?: | No | Contact Position: | VP MANUFACTURING |
| Yr of Last Filed Rpt: | 2014 | Contact Fax: | 5197875515 |
| Fac ID: | 111881 | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | Contact Ext.: | 5522 |
| Fac Postal Zip: | N1M2X1 | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | Contact Fax: | 97875515 |
| Facility Long: | -80.3864 | Contact Email: | NOT AVAILABLE |
| DLS (Last Filed Rpt): | | Latitude: | 43.7008 |
| Facility DLS: | | Longitude: | -80.3864 |
| Datum: | 1983 | UTM Zone: | 17 |
| Facility Cmnts: | False | UTM Northing: | 4838609 |
| URL: | | UTM Easting: | 549443 |
| No of Empl.: | 440 | Waste Streams: | Yes |
| Parent Co.: | * | No Streams: | 0 |
| No Parent Co.: | 1 | Waste Off Sites: | Yes |
| Pollut Prev Cmnts: | False | No Off Sites: | 0 |
| Stacks: | | Shutdown: | |
| No of Stacks: | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | |
| Canadian SIC Code: | | | |
| SIC Code Description: | | | |
| American SIC Code: | | | |
| NAICS Code (2 digit): | 33 | | |
| NAICS 2 Description: | Manufacturing | | |
| NAICS Code (4 digit): | 3352 | | |
| NAICS 4 Description: | Household appliance manufacturing | | |
| NAICS Code (6 digit): | 335229 | | |
| NAICS 6 Description: | Other major appliance manufacturing | | |

Substance Release Report

| | |
|---------------------------------|---------------------------------|
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |
| Trans Code: | ASta |
| Chem: | Copper (and its compounds) |
| Chem (fr): | Cuivre (et ses composés) |
| Quantity: | 0 |
| Unit: | tonnes |
| Basis of Estimate Cd: | 0 |
| Basis of Estimate Desc: | 0- Engineering Estimates |

| | | | | | |
|-------------------|-----------|-----------|---------------|--|------|
| 8 | 23 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------|-----------|-----------|---------------|--|------|

| | | | |
|-----------------|------|----------------|-------|
| NPRI ID: | 2409 | Org ID: | 13284 |
|-----------------|------|----------------|-------|

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|--|-----|
| Other ID: N No Other ID: 0.00 Track ID: 6647 Report ID: Report Type: NPRI Rpt Type ID: 1 Report Year: 2000 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 111881 Fac Name: GSW Fac Address1: 599 HILL STREET Fac Address2: NOT AVAILABLE Fac Postal Zip: N1M2X1 Facility Lat: 43.7008 Facility Long: -80.3864 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: False URL: No of Empl.: 300 Parent Co.: Y No Parent Co.: 1.00 Pollut Prev Cmnts: False Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3352 NAICS 4 Description: Household appliance manufacturing NAICS Code (6 digit): 335229 NAICS 6 Description: Other major appliance manufacturing | | | | | |
| Submit Date: 9/27/2001 Last Modified: 5/29/2015 3:28:24 PM Contact ID: 103061 Cont Type: MED Contact Title: Cont First Name: PETER Cont Last Name: SHARP Contact Position: VICE PRESIDENT HUMAN RESOURCES Contact Fax: 5198437875 Contact Ph.: 5198431610 Cont Area Code: 519 Contact Tel.: 98431610 Contact Ext.: Cont Fax Area Cde: 519 Contact Fax: 98437875 Contact Email: NOT AVAILABLE Latitude: 43.7008 Longitude: -80.3864 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No No Streams: 0 Waste Off Sites: Yes No Off Sites: 1.00 Shutdown: No of Shutdown: | | | | | |
| <u>Substance Release Report</u> | | | | | |
| Category Type ID: 1 Category Type Desc: Stack / Point Category Type Desc (fr): Rejets de cheminée ou ponctuels Grouping: Total Air Trans Code: ASta Chem: Copper (and its compounds) Chem (fr): Cuivre (et ses composés) Quantity: 0 Unit: tonnes Basis of Estimate Cd: M Basis of Estimate Desc: M- Monitoring or Direct Measurement - In use from 1994 to 2002 | | | | | |
| <u>8</u> | 24 of 114 | SSE/200.2 | 415.9 / -0.08 | G S W Water Heating Company - Div. of GSW Inc. 599 Hill St W Fergus ON N1M 1G6 | SCT |
| Established: 1847 Plant Size (ft²): Employment: 400 | | | | | |
| <u>8</u> | 25 of 114 | SSE/200.2 | 415.9 / -0.08 | G S W WATER PROD.CO. 599 HILL ST.W. | CA |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|--|----|
| FERGUS TOWN ON N1M 1G6 | | | | | |
| | | | | Certificate #: 8-2121-85-866 Application Year: 85 Issue Date: 2/27/86 Approval Type: Industrial air Status: Received in 1985, Issued in 1986 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Suspended Particulate Matter, Silica (Respirable) Emission Control: No Controls | |
| 8 | 26 of 114 | SSE/200.2 | 415.9 / -0.08 | G S W WATER PRODUCTS CO. 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | CA |
| | | | | Certificate #: 8-2122-85-866 Application Year: 85 Issue Date: 1/17/86 Approval Type: Industrial air Status: Received in 1985, Issued in 1986 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Odour/Fumes Emission Control: No Controls | |
| 8 | 27 of 114 | SSE/200.2 | 415.9 / -0.08 | G S W WATER PROD.CO. 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | CA |
| | | | | Certificate #: 8-2146-85-866 Application Year: 85 Issue Date: 3/3/86 Approval Type: Industrial air Status: Received in 1985, Issued in 1986 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Suspended Particulate Matter Emission Control: No Controls | |
| 8 | 28 of 114 | SSE/200.2 | 415.9 / -0.08 | G S W WATER PROD.CO. 599 HILL ST.W. FERGUS TOWN ON N1M 1G6 | CA |
| | | | | Certificate #: 8-2148-85-866 Application Year: 85 Issue Date: 3/3/86 Approval Type: Industrial air | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|----------------------------------|------------------|--|----|
| Status: | | Received in 1985, Issued in 1986 | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |
| Project Description: | | | | | |
| Contaminants: | | Nitrogen Oxides | | | |
| Emission Control: | | No Controls | | | |
| 8 | 29 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
| Certificate #: | | 8-2359-95-000 | | | |
| Application Year: | | 95 | | | |
| Issue Date: | | 10/13/95 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Application Cancelled | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |
| Project Description: | | EXHAUST VENT FOR COOLING TUNNEL | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| 8 | 30 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO., DIV. OF GSW INC. 599 HILL STREET WEST FERGUS TOWN ON N1M 1G6 | CA |
| Certificate #: | | 8-2359-95-000 | | | |
| Application Year: | | 95 | | | |
| Issue Date: | | 10/16/95 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Application Cancelled | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |
| Project Description: | | EXHAUST VENT FOR COOLING TUNNEL | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| 8 | 31 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO., DIV. OF GSW INC. 599 HILL STREET EAST FERGUS TOWN ON | CA |
| Certificate #: | | 8-2359-95-006 | | | |
| Application Year: | | 95 | | | |
| Issue Date: | | 11/7/95 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Approved | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|---|------------------|---|----|
| Project Description: | | EXHAUST VENT FOR COOLING TUNNEL | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| <u>8</u> | 32 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO., DIV. OF GSW INC. 599 HILL STREET EAST FERGUS TOWN ON | CA |
| Certificate #: | | 8-2359-95-006 | | | |
| Application Year: | | 95 | | | |
| Issue Date: | | 12/4/95 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Approved | | | |
| Application Type: | | | | | |
| Client Name: | | | | | |
| Client Address: | | | | | |
| Client City: | | | | | |
| Client Postal Code: | | | | | |
| Project Description: | | EXHAUST VENT FOR COOLING TUNNEL | | | |
| Contaminants: | | Heat Flux | | | |
| Emission Control: | | No Controls | | | |
| <u>8</u> | 33 of 114 | SSE/200.2 | 415.9 / -0.08 | 599 Hill Street West Centre Wellington ON | CA |
| Certificate #: | | 4-0147-96-976 | | | |
| Application Year: | | 00 | | | |
| Issue Date: | | 3/20/00 | | | |
| Approval Type: | | Industrial sewage | | | |
| Status: | | Approved | | | |
| Application Type: | | Notice | | | |
| Client Name: | | GSW Inc. | | | |
| Client Address: | | 599 Hill Street West | | | |
| Client City: | | Centre Wellington | | | |
| Client Postal Code: | | N1M 1G6 | | | |
| Project Description: | | The current Certificate of Approval allows treatment of 840 liters per hour of Industrial sewage. This application is requesting a collection, transmission, treatment and discharge of additional shallow bedrock groundwater as described in the original application dated December 24, 1996. The applicant is therefore requesting a new flow rate of 94.69 l/min. (5681.4 l/hr. | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| <u>8</u> | 34 of 114 | SSE/200.2 | 415.9 / -0.08 | 599 Hill Street West Centre Wellington ON | CA |
| Certificate #: | | 7500-4HQH5D | | | |
| Application Year: | | 00 | | | |
| Issue Date: | | 3/24/00 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Approved | | | |
| Application Type: | | Amended CofA | | | |
| Client Name: | | GSW Inc. | | | |
| Client Address: | | 599 Hill Street West | | | |
| Client City: | | Centre Wellington | | | |
| Client Postal Code: | | N1M 1G6 | | | |
| Project Description: | | This proposal is an amendment to Certificate of Approval 8-2153-96-006. The applicant is requesting an increase in the flow rate of the existing stripper to allow treatment of additional ground water. This stripper is a component of the ground water remediation project at this site. | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|---|------------------|--|----|
| <u>8</u> | 35 of 114 | SSE/200.2 | 415.9 / -0.08 | 599 Hill Street West Centre Wellington ON | CA |
| Certificate #: | | 3358-4YWKYA | | | |
| Application Year: | | 01 | | | |
| Issue Date: | | 7/31/01 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Approved | | | |
| Application Type: | | New Certificate of Approval | | | |
| Client Name: | | GSW Inc. | | | |
| Client Address: | | 599 Hill Street West | | | |
| Client City: | | Centre Wellington | | | |
| Client Postal Code: | | N1M 2X1 | | | |
| Project Description: | | This application is for certificate of approval for the construction of an in situ groundwater remediation system. The process will take place below ground surface and primarily beneath an existing building. It is expected that there will be minimal emission of trichloroethylene (TCE) contamination on site. | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| <u>8</u> | 36 of 114 | SSE/200.2 | 415.9 / -0.08 | 599 Hill Street West Centre Wellington ON | CA |
| Certificate #: | | 8585-4UDQJP | | | |
| Application Year: | | 02 | | | |
| Issue Date: | | 5/29/02 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Revoked and/or Replaced | | | |
| Application Type: | | New Certificate of Approval | | | |
| Client Name: | | GSW Inc. | | | |
| Client Address: | | 599 Hill Street West | | | |
| Client City: | | Centre Wellington | | | |
| Client Postal Code: | | N1M 2X1 | | | |
| Project Description: | | The application is submitted to incorporate four existing Certificates into one Certificate. Also approval is requested for additional exhaust systems located at the site into a single Certificate of Approval. The additional exhaust systems include a vent for liquid foam insulation storage tanks, a welding line exhaust system and three exhaust systems, discharging to the atmosphere, that serve to ventilate local areas where refractory installation is applied to water heater units that GSW produces at the site. | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |
| <u>8</u> | 37 of 114 | SSE/200.2 | 415.9 / -0.08 | 599 Hill Street West Centre Wellington ON | CA |
| Certificate #: | | 7792-57RSEM | | | |
| Application Year: | | 02 | | | |
| Issue Date: | | 5/29/02 | | | |
| Approval Type: | | Industrial air | | | |
| Status: | | Approved | | | |
| Application Type: | | Amended CofA | | | |
| Client Name: | | GSW Inc. | | | |
| Client Address: | | 599 Hill Street West | | | |
| Client City: | | Centre Wellington | | | |
| Client Postal Code: | | N1M 2X1 | | | |
| Project Description: | | This application is for the addition of one (1) natural gas fired Proceco parts washer used to clean individual parts of surface debris prior to welding. Parts are sprayed with a chemical solution at a high temperature and pressure. Emissions of natural gas combustion products, including carbon monoxide, nitrogen dioxide, sulphur dioxide and particulate matter are discharged to atmosphere. | | | |
| Contaminants: | | | | | |
| Emission Control: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------|-------------------|----------------------------|------------------|--|-----|
| 8 | 38 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Pump Co., Div. of GSW Inc. 599 HILL STREET WEST, FERGUS TOWN Fergus ON | EBR |

EBR Registry No: IA7E1266
Ministry Ref No: 8214685 19970822
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 14, 1997
Proposal Date: August 27, 1997
Year: 1997
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: GSW Water Pump Co., Div. of GSW Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 599 Hill Street West, Fergus Ontario, N1M 2X1
Comment Period:
URL:

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

Site Location Details:

599 HILL STREET WEST, FERGUS TOWN Fergus

| | | | | | |
|-------------------|-----------|-----------|---------------|---|-----|
| 8 | 39 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West Fergus ON | EBR |
|-------------------|-----------|-----------|---------------|---|-----|

EBR Registry No: IA8E0759
Ministry Ref No: 8203193RE1
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 29, 1998
Proposal Date: May 29, 1998
Year: 1998
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: GSW Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: GSW Water Heating Co., 599 Hill Street West, Fergus Ontario, N1M 2X1
Comment Period:
URL:

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

Site Location Details:

599 Hill Street West Fergus

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|-------------------|-----------|-----------|---------------|--|-----|
| 8 | 40 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 HILL STREET WEST, FERGUS TOWN Fergus ON | EBR |
|-------------------|-----------|-----------|---------------|--|-----|

EBR Registry No: IA7E0131
Ministry Ref No: 4014796 19961230
Notice Type: Instrument Decision

Decision Posted:
Exception Posted:
Section:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|--|---------------|---------------------------|----|
| Notice Stage: | | | | Act 1: | |
| Notice Date: | | May 22, 1997 | | Act 2: | |
| Proposal Date: | | February 05, 1997 | | Site Location Map: | |
| Year: | | 1997 | | | |
| Instrument Type: | | (OWRA s. 53(1)) - Approval for sewage works | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | | GSW Inc. | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | | | | |
| Proponent Address: | | GSW Water Heating Co., 599 Hill Street West, Fergus Ontario, N1M 2X1 | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 HILL STREET WEST, FERGUS TOWN Fergus | | | | | |

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|-------------------------------|-----------|--|---------------|--|-----|
| 8 | 41 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Co., Div. of GSW Inc. 599 Hill Street West Fergus ON | EBR |
| EBR Registry No: | | IA9E0945 | | Decision Posted: | |
| Ministry Ref No: | | 8214885866RE1 | | Exception Posted: | |
| Notice Type: | | Instrument Decision | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | | October 29, 1999 | | Act 2: | |
| Proposal Date: | | August 09, 1999 | | Site Location Map: | |
| Year: | | 1999 | | | |
| Instrument Type: | | (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | | GSW Water Heating Co., Div. of GSW Inc. | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | | | | |
| Proponent Address: | | GSW Water Heating Co., 599 Hill Street West, Fergus Ontario, N1M 2X1 | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 Hill Street West Fergus | | | | | |

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|-----------------------------|-----------|--|---------------|--|-----|
| 8 | 42 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: | | IA00E0105 | | Decision Posted: | |
| Ministry Ref No: | | 8214-4FNPLM | | Exception Posted: | |
| Notice Type: | | Instrument Decision | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | | August 09, 2001 | | Act 2: | |
| Proposal Date: | | January 18, 2000 | | Site Location Map: | |
| Year: | | 2000 | | | |
| Instrument Type: | | (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) | | | |
| Off Instrument Name: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|--|--------------------------|-------------|-----------|
| Posted By: | | | | | |
| Company Name: | | GSW Water Heating Company, A Division of GSW Inc. | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | 599 Hill Street West, Centre Wellington Ontario, N1M 2X1 | | | |
| Proponent Address: | | 599 Hill Street West, Centre Wellington Ontario, N1M 2X1 | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON | | | | | |

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|--|-----------|--|---------------|--|-----|
| 8 | 43 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: | | IA00E0108 | | Decision Posted: | |
| Ministry Ref No: | | 1071-4FNL4Q | | Exception Posted: | |
| Notice Type: | | Instrument Decision | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | | December 01, 2000 | | Act 2: | |
| Proposal Date: | | January 18, 2000 | | Site Location Map: | |
| Year: | | 2000 | | | |
| Instrument Type: | | (OWRA s. 53(1)) - Approval for sewage works | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | | GSW Water Heating Company, A Division of GSW Inc. | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | 599 Hill Street West, Centre Wellington Ontario, N1M 2X1 | | | |
| Proponent Address: | | 599 Hill Street West, Centre Wellington Ontario, N1M 2X1 | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON | | | | | |

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|-----------------------------|-----------|--|---------------|--|-----|
| 8 | 44 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: | | IA00E1708 | | Decision Posted: | |
| Ministry Ref No: | | 4081-4QENPN | | Exception Posted: | |
| Notice Type: | | Instrument Decision | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | | May 22, 2001 | | Act 2: | |
| Proposal Date: | | October 31, 2000 | | Site Location Map: | |
| Year: | | 2000 | | | |
| Instrument Type: | | (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | | GSW Water Heating Company, A Division of GSW Inc. | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |

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

Proponent Name:
Proponent Address: 599 Hill Street West, Centre Wellington Ontario, N1M 2X1
Comment Period:
URL:

Site Location Details:

599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON

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|-------------------|-----------|-----------|---------------|--|-----|
| 8 | 45 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
|-------------------|-----------|-----------|---------------|--|-----|

EBR Registry No: IA01E0902
Ministry Ref No: 1816-4XVP4T
Notice Type: Instrument Decision
Notice Stage:
Notice Date: August 02, 2001
Proposal Date: June 26, 2001
Year: 2001

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

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)

Off Instrument Name:

Posted By:

Company Name: GSW Water Heating Company, A Division of GSW Inc.

Site Address:

Location Other:

Proponent Name:

Proponent Address: 599 Hill Street West, Centre Wellington Ontario, N1M 2X1

Comment Period:

URL:

Site Location Details:

599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON

| | | | | | |
|-------------------|-----------|-----------|---------------|---|------|
| 8 | 46 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Fergus, ON NICHOL ON | PTTW |
|-------------------|-----------|-----------|---------------|---|------|

EBR Registry No: IA01E1062
Ministry Ref No: 23016554
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 11, 2001
Proposal Date: July 23, 2001
Year: 2001

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

Instrument Type: (OWRA s. 34) - Permit to Take Water

Off Instrument Name:

Posted By:

Company Name: GSW Water Heating Company, A Division of GSW Inc.

Site Address:

Location Other:

Proponent Name:

Proponent Address: 599 Hill Street West, Centre Wellington Ontario, N1M 2X1

Comment Period:

URL:

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

Site Location Details:

599 Hill Street West Fergus, ON NICHOL

| | | | | | |
|--|-----------|--|---------------|---|-----|
| <u>8</u> | 47 of 114 | SSE/200.2 | 415.9 / -0.08 | 599 Hill Street West Fergus ON N1M 1G6 | EHS |
| Order No: 20020222004 Status: C Report Type: Complete Report Report Date: 3/5/02 Date Received: 2/22/02 Previous Site Name: Lot/Building Size: Additional Info Ordered: | | Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -80.385971 Y: 43.701065 | | | |

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|---|-----------|---|---------------|--|------|
| <u>8</u> | 48 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| NPRI ID: 2409 Other ID: N No Other ID: 0.00 Track ID: 6646 Report ID: Report Type: NPRI Rpt Type ID: 1 Report Year: 2001 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 111881 Fac Name: GSW Fac Address1: 599 HILL STREET Fac Address2: NOT AVAILABLE Fac Postal Zip: N1M2X1 Facility Lat: 43.7008 Facility Long: -80.3864 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: No URL: No of Empl.: 406 Parent Co.: Y No Parent Co.: 1.00 Pollut Prev Cmnts: No Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3352 NAICS 4 Description: Household appliance manufacturing NAICS Code (6 digit): 335229 NAICS 6 Description: Other major appliance manufacturing | | Org ID: 13284 Submit Date: 5/27/2002 Last Modified: 5/29/2015 3:28:24 PM Contact ID: 216710 Cont Type: MED Contact Title: Cont First Name: STEVE Cont Last Name: ILOTT Contact Position: VP HUMAN RESOURCES Contact Fax: 5197875509 Contact Ph.: 5198431610 Cont Area Code: 519 Contact Tel.: 98431610 Contact Ext.: 5523 Cont Fax Area Cde: 519 Contact Fax: 97875509 Contact Email: SIL@GSW-WH.COM Latitude: 43.7008 Longitude: -80.3864 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No No Streams: 0.00 Waste Off Sites: Yes No Off Sites: 1.00 Shutdown: No of Shutdown: | | | |

Substance Release Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|--|------------------|------|----|
| Category Type ID: Category Type Desc: Category Type Desc (fr): Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | 1 Stack / Point Rejets de cheminée ou ponctuels Total Air ASta Copper (and its compounds) Cuivre (et ses composés) 0 tonnes M M- Monitoring or Direct Measurement - In use from 1994 to 2002 | | | |

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|--|-----------|--|---------------|--|-----|
| 8 | 49 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: Ministry Ref No: Notice Type: Notice Stage: Notice Date: Proposal Date: Year: Instrument Type: Off Instrument Name: Posted By: Company Name: Site Address: Location Other: Proponent Name: Proponent Address: Comment Period: URL: | | IA01E1122 3817-4Z7MWD Instrument Decision April 28, 2003 August 01, 2001 2001 (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) | | Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map: | |

Site Location Details:

599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON

| | | | | | |
|--|-----------|---|---------------|---|------|
| 8 | 50 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 1G6 | OPCB |
| Year: Site Number: Name Owner: Additional Site Information: | | 1998 20290A035 | | | |
| --Details-- Quantity: Address Site: Description: | | 41.00 Number of Capacitors with High Level PCBs (>1000 ppm) | | | |
| Quantity: Address Site: Description: | | 1.00 Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| Quantity: Address Site: | | 150.00 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------|--|------------------|---|-------------|
| Description: | | Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| <u>8</u> | 51 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 1G6 | OPCB |
| Year: | | 1999 | | | |
| Site Number: | | 20290A035 | | | |
| Name Owner: | | | | | |
| Additional Site Information: | | | | | |
| --Details-- | | | | | |
| Quantity: | | 41.00 | | | |
| Address Site: | | | | | |
| Description: | | Number of Capacitors with High Level PCBs (>1000 ppm) | | | |
| Quantity: | | 1.00 | | | |
| Address Site: | | | | | |
| Description: | | Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| Quantity: | | 150.00 | | | |
| Address Site: | | | | | |
| Description: | | Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| <u>8</u> | 52 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 1G6 | OPCB |
| Year: | | 2000 | | | |
| Site Number: | | 20290A035 | | | |
| Name Owner: | | | | | |
| Additional Site Information: | | | | | |
| --Details-- | | | | | |
| Quantity: | | 41.00 | | | |
| Address Site: | | | | | |
| Description: | | Number of Capacitors with High Level PCBs (>1000 ppm) | | | |
| Quantity: | | 1.00 | | | |
| Address Site: | | | | | |
| Description: | | Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| Quantity: | | 150.00 | | | |
| Address Site: | | | | | |
| Description: | | Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| <u>8</u> | 53 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 1G6 | OPCB |
| Year: | | 1995 | | | |
| Site Number: | | 20290A035 | | | |
| Name Owner: | | | | | |
| Additional Site Information: | | | | | |
| --Details-- | | | | | |
| Quantity: | | 4.00 | | | |
| Address Site: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|----------------------|-------------------|---|------------------|------|----|
| Description: | | Number of Capacitors with High Level PCBs (>1000 ppm) | | | |
| Quantity: | | 1.00 | | | |
| Address Site: | | | | | |
| Description: | | Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |
| Quantity: | | 150.00 | | | |
| Address Site: | | | | | |
| Description: | | Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg | | | |

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|--------------------------|-----------------------------------|-----------|---------------|--|-----|
| <u>8</u> | 54 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER PRODUCTS COMPANY DIVISION OF GSW INC. 599 HILL STREET WEST FERGUS ON N1M 1G6 | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 86,87,88,89,90 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 3049 | | | | |
| SIC Description: | OTHER STAMPED METAL | | | | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 111 | | | | |
| Waste Class Desc: | SPENT PICKLE LIQUOR | | | | |
| Waste Class: | 112 | | | | |
| Waste Class Desc: | ACID WASTE - HEAVY METALS | | | | |
| Waste Class: | 122 | | | | |
| Waste Class Desc: | ALKALINE WASTES - OTHER METALS | | | | |
| Waste Class: | 123 | | | | |
| Waste Class Desc: | ALKALINE PHOSPHATES | | | | |
| Waste Class: | 131 | | | | |
| Waste Class Desc: | NEUTRALIZED WASTES - HEAVY METALS | | | | |
| Waste Class: | 145 | | | | |
| Waste Class Desc: | PAINT/PIGMENT/COATING RESIDUES | | | | |
| Waste Class: | 146 | | | | |
| Waste Class Desc: | OTHER SPECIFIED INORGANICS | | | | |
| Waste Class: | 232 | | | | |
| Waste Class Desc: | POLYMERIC RESINS | | | | |
| Waste Class: | 241 | | | | |
| Waste Class Desc: | HALOGENATED SOLVENTS | | | | |
| Waste Class: | 253 | | | | |
| Waste Class Desc: | EMULSIFIED OILS | | | | |

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|--------------------------|----------------|-----------|---------------|---|-----|
| <u>8</u> | 55 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 18-041 599 HILL STREET WEST FERGUS ON N1M 2X1 | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 92,93,94,95,96 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|---|-----------------------------------|----------------------|---|------------|
| MHSW Facility: SIC Code: SIC Description: | 3049 | OTHER STAMPED METAL | | Phone No Admin: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: Waste Class Desc: | 111 | SPENT PICKLE LIQUOR | | | |
| Waste Class: Waste Class Desc: | 112 | ACID WASTE - HEAVY METALS | | | |
| Waste Class: Waste Class Desc: | 123 | ALKALINE PHOSPHATES | | | |
| Waste Class: Waste Class Desc: | 131 | NEUTRALIZED WASTES - HEAVY METALS | | | |
| Waste Class: Waste Class Desc: | 212 | ALIPHATIC SOLVENTS | | | |
| Waste Class: Waste Class Desc: | 145 | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: Waste Class Desc: | 146 | OTHER SPECIFIED INORGANICS | | | |
| Waste Class: Waste Class Desc: | 148 | INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: Waste Class Desc: | 213 | PETROLEUM DISTILLATES | | | |
| Waste Class: Waste Class Desc: | 232 | POLYMERIC RESINS | | | |
| Waste Class: Waste Class Desc: | 241 | HALOGENATED SOLVENTS | | | |
| Waste Class: Waste Class Desc: | 243 | PCB'S | | | |
| Waste Class: Waste Class Desc: | 251 | OIL SKIMMINGS & SLUDGES | | | |
| Waste Class: Waste Class Desc: | 253 | EMULSIFIED OILS | | | |
| Waste Class: Waste Class Desc: | 263 | ORGANIC LABORATORY CHEMICALS | | | |
| 8 | 56 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 2X1 | GEN |
| Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: | ON0084500 97,98,99,00,01,02,03 3049 | OTHER STAMPED METAL | | PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|-----------------------------------|------------------|------|----|
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 148 | | | |
| Waste Class Desc: | | INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 212 | | | |
| Waste Class Desc: | | ALIPHATIC SOLVENTS | | | |
| Waste Class: | | 213 | | | |
| Waste Class Desc: | | PETROLEUM DISTILLATES | | | |
| Waste Class: | | 232 | | | |
| Waste Class Desc: | | POLYMERIC RESINS | | | |
| Waste Class: | | 241 | | | |
| Waste Class Desc: | | HALOGENATED SOLVENTS | | | |
| Waste Class: | | 243 | | | |
| Waste Class Desc: | | PCB'S | | | |
| Waste Class: | | 251 | | | |
| Waste Class Desc: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Class: | | 253 | | | |
| Waste Class Desc: | | EMULSIFIED OILS | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 111 | | | |
| Waste Class Desc: | | SPENT PICKLE LIQUOR | | | |
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| Waste Class: | | 123 | | | |
| Waste Class Desc: | | ALKALINE PHOSPHATES | | | |
| Waste Class: | | 131 | | | |
| Waste Class Desc: | | NEUTRALIZED WASTES - HEAVY METALS | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: | | 146 | | | |
| Waste Class Desc: | | OTHER SPECIFIED INORGANICS | | | |

| | | | | | |
|--------------------------|----------------------|------------------|----------------------|--|------------|
| <u>8</u> | 57 of 114 | SSE/200.2 | 415.9 / -0.08 | GENERAL STEELWARES INC. 599 HILL ST. W. FERGUS ON N1M 1G6 | GEN |
| Generator No: | ON0086900 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 86,87,88,89,92,93,94 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 0000 | | | | |
| SIC Description: | *** NOT DEFINED *** | | | | |

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|-----------------|------------------|------------------|----------------------|---|-------------|
| <u>8</u> | 58 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| NPRI ID: | 2409 | | | Org ID: | 50604 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------------------------|----------------------------|------------------|---------------------------|----------------------|
| Other ID: | * | | | Submit Date: | 6/30/2003 |
| No Other ID: | 0 | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 76205 | | | Contact ID: | 216710 |
| Report ID: | 160630 | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | STEVE |
| Report Year: | 2002 | | | Cont Last Name: | ILOTT |
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | SIL@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | False | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 406 | | | Waste Streams: | False |
| Parent Co.: | Y | | | No Streams: | 0 |
| No Parent Co.: | 1 | | | Waste Off Sites: | False |
| Pollut Prev Cmnts: | False | | | No Off Sites: | 1 |
| Stacks: | False | | | Shutdown: | False |
| No of Stacks: | | | | No of Shutdown: | 2 |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

Category Type ID: 13
Category Type Desc: All Media
Category Type Desc (fr): Rejets à tous les médias
Grouping: Total All Media<1t
Trans Code:
Chem: Mercury (and its compounds)
Chem (fr): Mercure (et ses composés)
Quantity: 0
Unit: kg
Basis of Estimate Cd:
Basis of Estimate Desc:

Category Type ID: 13
Category Type Desc: All Media
Category Type Desc (fr): Rejets à tous les médias
Grouping: Total All Media<1t
Trans Code:
Chem: Chromium (and its compounds)
Chem (fr): Chrome (et ses composés)
Quantity: 0
Unit: tonnes
Basis of Estimate Cd:
Basis of Estimate Desc:

Category Type ID: 6

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|--------------------------|--|--------------------------|-------------|-----------|
| Category Type Desc: | | Road dust | | | |
| Category Type Desc (fr): | | Poussières de routes | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 1.422 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E E2 | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 ; E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 7.724 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E E2 | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 ; E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | HCFC-141b | | | |
| Chem (fr): | | HCFC-141b | | | |
| Quantity: | | 1.14 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Nickel (and its compounds) | | | |
| Chem (fr): | | Nickel (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .092 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|--|------------------|------|----|
| Quantity: | | 9.602 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E E2 | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 ; E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 6 | | | |
| Category Type Desc: | | Road dust | | | |
| Category Type Desc (fr): | | Poussières de routes | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | .21 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E E2 | | | |
| Basis of Estimate Desc: | | E- Emission Factor - In use from 1994 to 2002 ; E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphenylméthane (polymérisé) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |

| | | | | | |
|----------|-----------|-----------|---------------|---|-----|
| <u>8</u> | 59 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating 599 Hill St W Fergus ON N1M 2X1 | SCT |
|----------|-----------|-----------|---------------|---|-----|

Established: 1847
Plant Size (ft²): 606000
Employment:

--Details--

Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing
SIC/NAICS Code: 333416

Description: All Other General-Purpose Machinery Manufacturing
SIC/NAICS Code: 333990

Description: Small Electrical Appliance Manufacturing
SIC/NAICS Code: 335210

Description: Other Major Appliance Manufacturing
SIC/NAICS Code: 335229

| | | | | | |
|----------|-----------|-----------|---------------|--|------|
| <u>8</u> | 60 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|----------|-----------|-----------|---------------|--|------|

| | | | |
|---------------------|--------|-------------------------|----------------------|
| NPRI ID: | 2409 | Org ID: | 50604 |
| Other ID: | * | Submit Date: | 5/12/2005 |
| No Other ID: | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 25359 | Contact ID: | 216716 |
| Report ID: | 151938 | Cont Type: | MED |
| Report Type: | NPRI | Contact Title: | |
| Rpt Type ID: | 1 | Cont First Name: | STEVE |
| Report Year: | 2003 | Cont Last Name: | ILOTT |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|--|----------------------|---------------------------|-------------------------------------|
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES & ADMINISTRATION |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | STEVE.ILOTT@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | False | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 470 | | | Waste Streams: | True¿ |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1 | | | Waste Off Sites: | False |
| Pollut Prev Cmnts: | False | | | No Off Sites: | 1 |
| Stacks: | True | | | Shutdown: | True |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | | 33 | | | |
| NAICS 2 Description: | | Manufacturing | | | |
| NAICS Code (4 digit): | | 3352 | | | |
| NAICS 4 Description: | | Household appliance manufacturing | | | |
| NAICS Code (6 digit): | | 335229 | | | |
| NAICS 6 Description: | | Other major appliance manufacturing | | | |
| <u>Substance Release Report</u> | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 4.409 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | Iron (and its compounds) | | | |
| Chem (fr): | | Fer (et ses composés) | | | |
| Quantity: | | 1.81 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphenylméthane (polymérisé) | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---------------------------------|--|------------------------------------|--------------------------|-------------|-----------|
| Quantity: | 0 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Nickel (and its compounds) | | | | |
| Chem (fr): | Nickel (et ses composés) | | | | |
| Quantity: | 0 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Titanium (and its compounds) | | | | |
| Chem (fr): | Titane (et ses composés) | | | | |
| Quantity: | .096 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | 1 | | | | |
| Category Type Desc: | Stack / Point | | | | |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels | | | | |
| Grouping: | Total Air | | | | |
| Trans Code: | ASta | | | | |
| Chem: | PM2.5 - Particulate Matter <= 2.5 Microns | | | | |
| Chem (fr): | PM2,5 - Matière particulaire <= 2,5 microns | | | | |
| Quantity: | 2.592 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| Category Type ID: | 1 | | | | |
| Category Type Desc: | Stack / Point | | | | |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels | | | | |
| Grouping: | Total Air | | | | |
| Trans Code: | ASta | | | | |
| Chem: | HCFC-141b | | | | |
| Chem (fr): | HCFC-141b | | | | |
| Quantity: | 2.1 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Chromium (and its compounds) | | | | |
| Chem (fr): | Chrome (et ses composés) | | | | |
| Quantity: | 0 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | 13 | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|-------------------------------|------------------|------|----|
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .089 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Magnesium oxide | | | |
| Chem (fr): | | Oxyde de magnésium | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Mercury (and its compounds) | | | |
| Chem (fr): | | Mercuré (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | kg | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Carbon black | | | |
| Chem (fr): | | Noir de carbone | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |

| | | | | | |
|----------|------------------|------------------|----------------------|---|------------|
| 8 | 61 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 Hill Street West Fergus ON N1M 2X1 | GEN |
|----------|------------------|------------------|----------------------|---|------------|

| | | | |
|--------------------------|--|---------------------------|--|
| Generator No: | ON0084500 | PO Box No: | |
| Status: | | Country: | |
| Approval Years: | 04,05,06,07,08 | Choice of Contact: | |
| Contam. Facility: | | Co Admin: | |
| MHSW Facility: | | Phone No Admin: | |
| SIC Code: | 335210 | | |
| SIC Description: | Small Electrical Appliance Manufacturing | | |

Detail(s)

| | |
|--------------------------|-----------------|
| Waste Class: | 253 |
| Waste Class Desc: | EMULSIFIED OILS |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|--|--------------------------|-------------|-----------|
| Waste Class: Waste Class Desc: | | 213 PETROLEUM DISTILLATES | | | |
| Waste Class: Waste Class Desc: | | 232 POLYMERIC RESINS | | | |
| Waste Class: Waste Class Desc: | | 241 HALOGENATED SOLVENTS | | | |
| Waste Class: Waste Class Desc: | | 111 SPENT PICKLE LIQUOR | | | |
| Waste Class: Waste Class Desc: | | 123 ALKALINE PHOSPHATES | | | |
| Waste Class: Waste Class Desc: | | 131 NEUTRALIZED WASTES - HEAVY METALS | | | |
| Waste Class: Waste Class Desc: | | 212 ALIPHATIC SOLVENTS | | | |
| Waste Class: Waste Class Desc: | | 243 PCB'S | | | |
| Waste Class: Waste Class Desc: | | 251 OIL SKIMMINGS & SLUDGES | | | |
| Waste Class: Waste Class Desc: | | 263 ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: Waste Class Desc: | | 146 OTHER SPECIFIED INORGANICS | | | |
| Waste Class: Waste Class Desc: | | 252 WASTE OILS & LUBRICANTS | | | |
| Waste Class: Waste Class Desc: | | 265 GRAPHIC ART WASTES | | | |
| Waste Class: Waste Class Desc: | | 112 ACID WASTE - HEAVY METALS | | | |
| Waste Class: Waste Class Desc: | | 145 PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: Waste Class Desc: | | 148 INORGANIC LABORATORY CHEMICALS | | | |

8 62 of 114 **SSE/200.2** **415.9 / -0.08** **599 Hill Street West
Fergus ON N1M 1G6** **EHS**

| | | | |
|---------------------------------|-----------------|------------------------------|------------|
| Order No: | 20051111028 | Nearest Intersection: | |
| Status: | C | Municipality: | |
| Report Type: | Complete Report | Client Prov/State: | IL |
| Report Date: | 11/21/2005 | Search Radius (km): | 0.4 |
| Date Received: | 11/11/2005 | X: | -80.387666 |
| Previous Site Name: | | Y: | 43.701793 |
| Lot/Building Size: | | | |
| Additional Info Ordered: | | | |

8 63 of 114 **SSE/200.2** **415.9 / -0.08** **GSW WATER HEATING
599 HILL STREET NOT AVAILABLE
FERGUS ON N1M2X1** **NPRI**

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------------------------|----------------------------|------------------|---------------------------|--|
| NPRI ID: | 2409 | | | Org ID: | 50604 |
| Other ID: | * | | | Submit Date: | 5/11/2005 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 25324 | | | Contact ID: | 216716 |
| Report ID: | 84048 | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | STEVE |
| Report Year: | 2004 | | | Cont Last Name: | ILOTT |
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES & ADMINISTRATION |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | STEVE.ILOTT@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | True | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 524 | | | Waste Streams: | False |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1 | | | Waste Off Sites: | False |
| Pollut Prev Cmnts: | True | | | No Off Sites: | 1 |
| Stacks: | No | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|---------------------------------|
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |
| Trans Code: | |
| Chem: | Nickel (and its compounds) |
| Chem (fr): | Nickel (et ses composés) |
| Quantity: | 0 |
| Unit: | tonnes |
| Basis of Estimate Cd: | |
| Basis of Estimate Desc: | |
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |
| Trans Code: | ASta |
| Chem: | Iron (and its compounds) |
| Chem (fr): | Fer (et ses composés) |
| Quantity: | 1.935 |
| Unit: | tonnes |
| Basis of Estimate Cd: | E2 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|--------------------------|--|--------------------------|-------------|-----------|
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphénylméthane (polymérisé) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .095 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Mercury (and its compounds) | | | |
| Chem (fr): | | Mercure (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | kg | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Chromium (and its compounds) | | | |
| Chem (fr): | | Chrome (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Titanium (and its compounds) | | | |
| Chem (fr): | | Titane (et ses composés) | | | |
| Quantity: | | .103 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|--|------------------|------|----|
| Trans Code: | | | | | |
| Chem: | | Carbon black | | | |
| Chem (fr): | | Noir de carbone | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Magnesium oxide | | | |
| Chem (fr): | | Oxyde de magnésium | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 2.608 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | HCFC-141b | | | |
| Chem (fr): | | HCFC-141b | | | |
| Quantity: | | 1.33 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 4.549 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |

8

64 of 114

SSE/200.2

415.9 / -0.08

GSW WATER HEATING
599 HILL STREET NOT AVAILABLE
FERGUS ON N1M2X1

NPRI

NPRI ID: 2409
Other ID: *
No Other ID:
Track ID: 35965
Report ID: 98791

Org ID: 50604
Submit Date: 5/26/2006
Last Modified: 5/29/2015 3:28:24 PM
Contact ID: 216716
Cont Type: MED

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------------------------|----------------------------|------------------|---------------------------|--|
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | STEVE |
| Report Year: | 2005 | | | Cont Last Name: | ILOTT |
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES & ADMINISTRATION |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | STEVE.ILOTT@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | False | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 528 | | | Waste Streams: | False |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1 | | | Waste Off Sites: | False |
| Pollut Prev Cmnts: | False | | | No Off Sites: | 1.00 |
| Stacks: | False | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|--|
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |
| Trans Code: | |
| Chem: | Manganese (and its compounds) |
| Chem (fr): | Manganèse (et ses composés) |
| Quantity: | .1 |
| Unit: | tonnes |
| Basis of Estimate Cd: | |
| Basis of Estimate Desc: | |
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |
| Trans Code: | |
| Chem: | Polymeric diphenylmethane diisocyanate |
| Chem (fr): | Diisocyanate de diphenylméthane (polymérisé) |
| Quantity: | 0 |
| Unit: | tonnes |
| Basis of Estimate Cd: | |
| Basis of Estimate Desc: | |
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---------------------------------|--------------------------|--|----------------------|-------------|-----------|
| Trans Code: | | | | | |
| Chem: | | PM - Total Particulate Matter | | | |
| Chem (fr): | | PM - Particules totales | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Chromium (and its compounds) | | | |
| Chem (fr): | | Chrome (et ses composés) | | | |
| Quantity: | | .016 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 2.562 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Mercury (and its compounds) | | | |
| Chem (fr): | | Mercure (et ses composés) | | | |
| Quantity: | | 0 | | | |
| Unit: | | kg | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 4.812 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | HCFC-141b | | | |
| Chem (fr): | | HCFC-141b | | | |
| Quantity: | | 1.665 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | C | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------|-------------------|----------------------------|------------------|------|----|
| Basis of Estimate Desc: | | C- Mass Balance | | | |

| | | | | | |
|-------------------------------------|-------------------------------------|-----------|---------------|---|--|
| <u>8</u> | 65 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| NPRI ID: | 2409 | | | Org ID: | 50604 |
| Other ID: | * | | | Submit Date: | 5/28/2007 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 44902 | | | Contact ID: | 216716 |
| Report ID: | 108085 | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | STEVE |
| Report Year: | 2006 | | | Cont Last Name: | ILOTT |
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES & ADMINISTRATION |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | STEVE.ILOTT@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | False | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 528 | | | Waste Streams: | True¿ |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1 | | | Waste Off Sites: | Fals |
| Pollut Prev Cmnts: | False | | | No Off Sites: | 1.00 |
| Stacks: | True | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|--|
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |
| Trans Code: | ASta |
| Chem: | PM2.5 - Particulate Matter <= 2.5 Microns |
| Chem (fr): | PM2,5 - Matière particulaire <= 2,5 microns |
| Quantity: | 2.251 |
| Unit: | tonnes |
| Basis of Estimate Cd: | E2 |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward |

| | |
|---------------------------------|---------------------------------|
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|--|------------------|------|----|
| Trans Code: | | ASta | | | |
| Chem: | | HCFC-141b | | | |
| Chem (fr): | | HCFC-141b | | | |
| Quantity: | | 5.358 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | C | | | |
| Basis of Estimate Desc: | | C- Mass Balance | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Chromium (and its compounds) | | | |
| Chem (fr): | | Chrome (et ses composés) | | | |
| Quantity: | | .016 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphenylméthane (polymérisé) | | | |
| Quantity: | | .001 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .108 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 7.254 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |

8

66 of 114

SSE/200.2

415.9 / -0.08

A.O. Smith Enterprises Ltd.
599 Hill Street West Centre Wellington Ontario
N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON
ON

PTTW

EBR Registry No: IA06E1561
Ministry Ref No: 4073-6W8MBK
Notice Type: Instrument Decision
Notice Stage:

Decision Posted:
Exception Posted:
Section:
Act 1:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--|----------------------------|------------------|---------------------------|----|
| Notice Date: | August 02, 2007 | | | Act 2: | |
| Proposal Date: | December 21, 2006 | | | Site Location Map: | |
| Year: | 2006 | | | | |
| Instrument Type: | (OWRA s. 34) - Permit to Take Water | | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | A.O. Smith Enterprises Ltd. | | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | | | | |
| Proponent Address: | GSW Water Heating, PO Box 1200 Stn Main, Fergus Ontario, N1M 2X1 | | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 Hill Street West Centre Wellington Ontario N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON | | | | | |

| | | | | | |
|-------------------------------------|--|-----------|---------------|--|-------------|
| <u>8</u> | 67 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West, Fergus Fergus ON | PTTW |
| EBR Registry No: | IA04E1237 | | | Decision Posted: | |
| Ministry Ref No: | 5155-62ENGG | | | Exception Posted: | |
| Notice Type: | Instrument Decision | | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | November 08, 2005 | | | Act 2: | |
| Proposal Date: | August 23, 2004 | | | Site Location Map: | |
| Year: | 2004 | | | | |
| Instrument Type: | (OWRA s. 34) - Permit to Take Water | | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | GSW Inc. | | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | | | | |
| Proponent Address: | GSW Water Heating Co., 599 Hill Street West, Fergus Ontario, N1M 2X1 | | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 Hill Street West, Fergus Fergus | | | | | |

| | | | | | |
|-----------------------------|--|-----------|---------------|--|------------|
| <u>8</u> | 68 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Company, A Division of GSW Inc. 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: | IA04E1915 | | | Decision Posted: | |
| Ministry Ref No: | 2532-66JMMD | | | Exception Posted: | |
| Notice Type: | Instrument Decision | | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | July 04, 2007 | | | Act 2: | |
| Proposal Date: | July 13, 2005 | | | Site Location Map: | |
| Year: | 2005 | | | | |
| Instrument Type: | (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) | | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|--|------------------|------|----|
| Company Name: | | GSW Water Heating Company, A Division of GSW Inc. | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | | | | |
| Proponent Address: | | 599 Hill Street West, Centre Wellington Ontario, N1M 2X1 | | | |
| Comment Period: | | | | | |
| URL: | | | | | |
| Site Location Details: | | | | | |
| 599 Hill Street West Centre Wellington Ontario TOWNSHIP OF CENTRE WELLINGTON | | | | | |

| 8 | 69 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|--|
| NPRI ID: | 2409 | | | Org ID: | 50604 |
| Other ID: | * | | | Submit Date: | 5/26/2008 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 53791 | | | Contact ID: | 216716 |
| Report ID: | 115705 | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | STEVE |
| Report Year: | 2007 | | | Cont Last Name: | ILOTT |
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES & ADMINISTRATION |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | STEVE.ILOTT@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | False | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 528 | | | Waste Streams: | True _z |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1.00 | | | Waste Off Sites: | True |
| Pollut Prev Cmnts: | False | | | No Off Sites: | 1.00 |
| Stacks: | True | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|--------------------------|
| Category Type ID: | 13 |
| Category Type Desc: | All Media |
| Category Type Desc (fr): | Rejets à tous les médias |
| Grouping: | Total All Media<1t |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|--------------------------|--|--------------------------|-------------|-----------|
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .106 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 6 | | | |
| Category Type Desc: | | Road dust | | | |
| Category Type Desc (fr): | | Poussières de routes | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | .035 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Chromium (and its compounds) | | | |
| Chem (fr): | | Chrome (et ses composés) | | | |
| Quantity: | | .016 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphenylméthane (polymérisé) | | | |
| Quantity: | | .001 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 9.47 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 6 | | | |
| Category Type Desc: | | Road dust | | | |
| Category Type Desc (fr): | | Poussières de routes | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | .348 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|---|------|
| Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward | | | | | |
| Category Type ID: 1 | | | | | |
| Category Type Desc: Stack / Point | | | | | |
| Category Type Desc (fr): Rejets de cheminée ou ponctuels | | | | | |
| Grouping: Total Air | | | | | |
| Trans Code: ASta | | | | | |
| Chem: HCFC-141b | | | | | |
| Chem (fr): HCFC-141b | | | | | |
| Quantity: 3.813 | | | | | |
| Unit: tonnes | | | | | |
| Basis of Estimate Cd: C | | | | | |
| Basis of Estimate Desc: C- Mass Balance | | | | | |
| Category Type ID: 1 | | | | | |
| Category Type Desc: Stack / Point | | | | | |
| Category Type Desc (fr): Rejets de cheminée ou ponctuels | | | | | |
| Grouping: Total Air | | | | | |
| Trans Code: ASta | | | | | |
| Chem: PM2.5 - Particulate Matter <= 2.5 Microns | | | | | |
| Chem (fr): PM2,5 - Matière particulaire <= 2,5 microns | | | | | |
| Quantity: 2.251 | | | | | |
| Unit: tonnes | | | | | |
| Basis of Estimate Cd: E2 | | | | | |
| Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward | | | | | |
| <u>8</u> | 70 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 2X1 | NPCB |
| Company Code: F0438 | | | | | |
| Industry: UNDEFINED | | | | | |
| Site Status: | | | | | |
| Transaction Date: | | | | | |
| Inspection Date: | | | | | |
| <u>8</u> | 71 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING COMPANY 599 HILL STREET WEST FERGUS ON N1M 2X1 | NPCB |
| Company Code: O005056 | | | | | |
| Industry: OTHER | | | | | |
| Site Status: | | | | | |
| Transaction Date: | | | | | |
| Inspection Date: | | | | | |
| <u>8</u> | 72 of 114 | SSE/200.2 | 415.9 / -0.08 | A. O. Smith Enterprises Ltd. 599 Hill St W Fergus ON N1M 2X1 | SCT |
| Established: 01-JUL-47 | | | | | |
| Plant Size (ft²): 606000 | | | | | |
| Employment: | | | | | |
| --Details-- | | | | | |
| Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing | | | | | |
| SIC/NAICS Code: 333416 | | | | | |
| Description: Other Major Appliance Manufacturing | | | | | |
| SIC/NAICS Code: 335229 | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|------------------------|-------------------|---|------------------|------|----|
| Description: | | All Other General-Purpose Machinery Manufacturing | | | |
| SIC/NAICS Code: | | 333990 | | | |
| Description: | | Small Electrical Appliance Manufacturing | | | |
| SIC/NAICS Code: | | 335210 | | | |

| 8 | 73 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|--|
| NPRI ID: | 2409 | | | Org ID: | 50604 |
| Other ID: | * | | | Submit Date: | 6/1/2009 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 70766 | | | Contact ID: | 216716 |
| Report ID: | 131486 | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | STEVE |
| Report Year: | 2008 | | | Cont Last Name: | ILOTT |
| Not-Current Rpt?: | No | | | Contact Position: | VP HUMAN RESOURCES & ADMINISTRATION |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111881 | | | Contact Ph.: | 5198431610 |
| Fac Name: | GSW | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | 5523 |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | STEVE.ILOTT@GSW-WH.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | No | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 528 | | | Waste Streams: | No |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1 | | | Waste Off Sites: | Yes |
| Pollut Prev Cmnts: | No | | | No Off Sites: | 1 |
| Stacks: | No | | | Shutdown: | No |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|---------------------------------|
| Category Type ID: | 1 |
| Category Type Desc: | Stack / Point |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels |
| Grouping: | Total Air |
| Trans Code: | ASta |
| Chem: | HCFC-141b |
| Chem (fr): | HCFC-141b |
| Quantity: | 1.554 |
| Unit: | tonnes |
| Basis of Estimate Cd: | C |
| Basis of Estimate Desc: | C- Mass Balance |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------|--|------------------|------|----|
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Chromium (and its compounds) | | | |
| Chem (fr): | | Chrome (et ses composés) | | | |
| Quantity: | | .01 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 10.003 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphénylméthane (polymérisé) | | | |
| Quantity: | | .001 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .133 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 2.255 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |

8

74 of 114

SSE/200.2

415.9 / -0.08

Praxair Canada Inc.
599 Hill St W
Centre Wellington ON N1M 1G6

SPL

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--|--|--|------|----|
| Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty: | 2380-7XBKD6 Discharge or Emission to Air 36 CARBON DIOXIDE Confirmed Air Pollution No Field Response 10/30/2009 1/9/2010 GSW Water Heating Praxair: unk qty CO2 released to atm. 12614 kg | 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: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type: | Other 4838774 549428 Air Spills - Gases and Vapours | | |

8 75 of 114 SSE/200.2 415.9 / -0.08 GSW Inc.
599 Hill Street West, Fergus
Centre Wellington ON CA

Certificate #: 1455-6K3UM6
Application Year: 2005
Issue Date: 12/16/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

8 76 of 114 SSE/200.2 415.9 / -0.08 GSW Inc.
599 Hill Street West, Fergus
Centre Wellington ON CA

Certificate #: 5868-6X4KWX
Application Year: 2007
Issue Date: 1/10/2007
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|---|------|
| 8 | 77 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West, Fergus Centre Wellington ON | CA |
| <p> Certificate #: 8704-6NDS6C Application Year: 2007 Issue Date: 4/1/2007 Approval Type: Air Status: Revoked and/or Replaced Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: </p> | | | | | |
| 8 | 78 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH WPC CANADA 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| <p> NPRI ID: 2409 Other ID: * No Other ID: Track ID: 81768 Report ID: 135527 Report Type: NPRI Rpt Type ID: 1 Report Year: 2009 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 111885 Fac Name: GSW WATER HEATING Fac Address1: 599 HILL STREET Fac Address2: NOT AVAILABLE Fac Postal Zip: N1M2X1 Facility Lat: 43.7008 Facility Long: -80.3864 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: No URL: No of Empl.: 528 Parent Co.: N No Parent Co.: Pollut Prev Cmnts: No Stacks: No No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3352 NAICS 4 Description: Household appliance manufacturing NAICS Code (6 digit): 335229 NAICS 6 Description: Other major appliance manufacturing </p> | | | | | |
| <p> Org ID: 35087 Submit Date: 6/1/2010 Last Modified: 5/29/2015 3:28:24 PM Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code: Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email: Latitude: 43.7008 Longitude: -80.3864 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No No Streams: Waste Off Sites: Yes No Off Sites: 1 Shutdown: No No of Shutdown: </p> | | | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|--|----------------------|-------------|-----------|
| <u>Substance Release Report</u> | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphénylméthane (polymérisé) | | | |
| Quantity: | | .001 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 10.134 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .141 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | HCFC-141b | | | |
| Chem (fr): | | HCFC-141b | | | |
| Quantity: | | 1.17 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Chromium (and its compounds) | | | |
| Chem (fr): | | Chrome (et ses composés) | | | |
| Quantity: | | .005 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------|-------------------|--|------------------|------|----|
| Trans Code: | | ASta | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 2.253 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |

| | | | | | |
|-------------------|-----------|-----------|---------------|--|------|
| 8 | 79 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING CO ATTN R N DORSCH 599 HILL ST W FERGUS ON | DTNK |
|-------------------|-----------|-----------|---------------|--|------|

Delisted Expired Fuel Safety Facilities

| | | | |
|-------------------------------------|---|-----------------------------|--|
| Instance No: | 9414207 | Expired Date: | |
| Status: | EXPIRED | Max Hazard Rank: | |
| Instance ID: | 385150 | Facility Location: | |
| Instance Type: | FS Facility | Facility Type: | |
| Instance Creation Dt: | | Fuel Type 2: | |
| Instance Install Dt: | | Fuel Type 3: | |
| Item Description: | | Panam Related: | |
| Manufacturer: | | Panam Venue Nm: | |
| Model: | | External Identifier: | |
| Serial No: | | Item: | |
| ULC Standard: | | Piping Steel: | |
| Quantity: | | Piping Galvanized: | |
| Unit of Measure: | | Tank Single Wall St: | |
| Overfill Prot Type: | | Piping Underground: | |
| Creation Date: | | Tank Underground: | |
| Next Periodic Str DT: | | Source: | |
| TSSA Base Sched Cycle 2: | | | |
| TSSAMax Hazard Rank 1: | | | |
| TSSA Risk Based Periodic Yn: | | | |
| TSSA Volume of Directives: | | | |
| TSSA Periodic Exempt: | | | |
| TSSA Statutory Interval: | | | |
| TSSA Recd Insp Interva: | | | |
| TSSA Recd Tolerance: | | | |
| TSSA Program Area: | | | |
| TSSA Program Area 2: | | | |
| Description: | Fuels Safety Private Fuel Outlet - Self Serve | | |
| Original Source: | EXP | | |
| Record Date: | Up to Mar 2012 | | |

| | | | | | |
|-------------------|-----------|-----------|---------------|--|------|
| 8 | 80 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH WPC CANADA 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------|-----------|-----------|---------------|--|------|

| | | | |
|------------------------------|-------------------|--------------------------|----------------------|
| NPRI ID: | 2409 | Org ID: | 35087 |
| Other ID: | Y | Submit Date: | 5/25/2011 |
| No Other ID: | 2 | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 90983 | Contact ID: | |
| Report ID: | 145041 | Cont Type: | |
| Report Type: | NPRI | Contact Title: | |
| Rpt Type ID: | 1 | Cont First Name: | |
| Report Year: | 2010 | Cont Last Name: | |
| Not-Current Rpt?: | No | Contact Position: | |
| Yr of Last Filed Rpt: | 2014 | Contact Fax: | |
| Fac ID: | 111885 | Contact Ph.: | |
| Fac Name: | GSW WATER HEATING | Cont Area Code: | |
| Fac Address1: | 599 HILL STREET | Contact Tel.: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--|------------------------------------|--------------------------|---------------------------|-----------|
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | |
| Facility Lat: | 43.7008 | | | Contact Fax: | |
| Facility Long: | -80.3864 | | | Contact Email: | |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | No | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 528 | | | Waste Streams: | No |
| Parent Co.: | Y | | | No Streams: | |
| No Parent Co.: | 1 | | | Waste Off Sites: | Yes |
| Pollut Prev Cmnts: | No | | | No Off Sites: | 1 |
| Stacks: | No | | | Shutdown: | No |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |
| <u>Substance Release Report</u> | | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Chromium (and its compounds) | | | | |
| Chem (fr): | Chrome (et ses composés) | | | | |
| Quantity: | .0038 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | 1 | | | | |
| Category Type Desc: | Stack / Point | | | | |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels | | | | |
| Grouping: | Total Air | | | | |
| Trans Code: | ASta | | | | |
| Chem: | HCFC-141b | | | | |
| Chem (fr): | HCFC-141b | | | | |
| Quantity: | 1.5454 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| Category Type ID: | 1 | | | | |
| Category Type Desc: | Stack / Point | | | | |
| Category Type Desc (fr): | Rejets de cheminée ou ponctuels | | | | |
| Grouping: | Total Air | | | | |
| Trans Code: | ASta | | | | |
| Chem: | PM2.5 - Particulate Matter <= 2.5 Microns | | | | |
| Chem (fr): | PM2,5 - Matière particulaire <= 2,5 microns | | | | |
| Quantity: | 2.2728 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| Category Type ID: | 13 | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|-------------------------------------|--|------------------|--|-----|
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .1432 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| Category Type ID: | | 1 | | | |
| Category Type Desc: | | Stack / Point | | | |
| Category Type Desc (fr): | | Rejets de cheminée ou ponctuels | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | ASta | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 10.1793 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphénylméthane (polymérisé) | | | |
| Quantity: | | .0006 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | | | | |
| Basis of Estimate Desc: | | | | | |
| <u>8</u> | 81 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 Hill Street West Fergus ON | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2009 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 335229 | | | | |
| SIC Description: | Other Major Appliance Manufacturing | | | | |
| Detail(s) | | | | | |
| Waste Class: | 112 | | | | |
| Waste Class Desc: | ACID WASTE - HEAVY METALS | | | | |
| Waste Class: | 145 | | | | |
| Waste Class Desc: | PAINT/PIGMENT/COATING RESIDUES | | | | |
| Waste Class: | 146 | | | | |
| Waste Class Desc: | OTHER SPECIFIED INORGANICS | | | | |
| Waste Class: | 148 | | | | |
| Waste Class Desc: | INORGANIC LABORATORY CHEMICALS | | | | |
| Waste Class: | 212 | | | | |
| Waste Class Desc: | ALIPHATIC SOLVENTS | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|------------------------------|------------------|------|----|
| Waste Class: | | 213 | | | |
| Waste Class Desc: | | PETROLEUM DISTILLATES | | | |
| Waste Class: | | 232 | | | |
| Waste Class Desc: | | POLYMERIC RESINS | | | |
| Waste Class: | | 233 | | | |
| Waste Class Desc: | | OTHER POLYMERIC WASTES | | | |
| Waste Class: | | 241 | | | |
| Waste Class Desc: | | HALOGENATED SOLVENTS | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 253 | | | |
| Waste Class Desc: | | EMULSIFIED OILS | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 265 | | | |
| Waste Class Desc: | | GRAPHIC ART WASTES | | | |

| | | | | | |
|-----------------------------|--|-----------|---------------|--|-----|
| 8 | 82 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West Centre Wellington, County of Wellington N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: | 011-5976 | | | Decision Posted: | |
| Ministry Ref No: | 8931-8SFP2Q | | | Exception Posted: | |
| Notice Type: | Instrument Decision | | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | October 06, 2015 | | | Act 2: | |
| Proposal Date: | March 21, 2012 | | | Site Location Map: | |
| Year: | 2012 | | | | |
| Instrument Type: | (EPA Part II.1-air) - Environmental Compliance Approval (project type: air) | | | | |
| Off Instrument Name: | | | | | |
| Posted By: | | | | | |
| Company Name: | A.O. Smith Enterprises Ltd. | | | | |
| Site Address: | | | | | |
| Location Other: | | | | | |
| Proponent Name: | | | | | |
| Proponent Address: | 599 Hill Street West, Post Office Box Delivery 1200, Postal Station Stn Main, Fergus Ontario, Canada N1M 2X1 | | | | |
| Comment Period: | | | | | |
| URL: | | | | | |

Site Location Details:

599 Hill Street West Centre Wellington, County of Wellington N1M 1G6 TOWNSHIP OF CENTRE WELLINGTON

| | | | | | |
|---------------------|-----------|-----------|---------------|--|----------------------|
| 8 | 83 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH ENTERPRISES LTD. 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| NPRI ID: | 2409 | | | Org ID: | 35084 |
| Other ID: | | | | Submit Date: | 6/28/2012 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 102353 | | | Contact ID: | |
| Report ID: | 7214 | | | Cont Type: | |
| Report Type: | NPRI | | | Contact Title: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------------------------|----------------------------|------------------|---------------------------|----------|
| Rpt Type ID: | 1 | | | Cont First Name: | |
| Report Year: | 2011 | | | Cont Last Name: | |
| Not-Current Rpt?: | No | | | Contact Position: | |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | |
| Fac ID: | 111885 | | | Contact Ph.: | |
| Fac Name: | GSW WATER HEATING | | | Cont Area Code: | |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | |
| Facility Lat: | 43.7008 | | | Contact Fax: | |
| Facility Long: | -80.3864 | | | Contact Email: | |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 460 | | | Waste Streams: | |
| Parent Co.: | | | | No Streams: | |
| No Parent Co.: | | | | Waste Off Sites: | |
| Pollut Prev Cmnts: | | | | No Off Sites: | |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

Category Type ID: 13
Category Type Desc: All Media
Category Type Desc (fr): Rejets à tous les médias
Grouping: Total All Media<1t
Trans Code:
Chem: Polymeric diphenylmethane diisocyanate
Chem (fr): Diisocyanate de diphenylméthane (polymérisé)
Quantity: 0
Unit: tonnes
Basis of Estimate Cd: E2
Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward

Category Type ID: 3
Category Type Desc: Fugitive
Category Type Desc (fr): Émissions fugitives
Grouping: Total Air
Trans Code: VOCs
Chem: PM10 - Particulate Matter <= 10 Microns
Chem (fr): PM10 - Matière particulaire <= 10 microns
Quantity: .298
Unit: tonnes
Basis of Estimate Cd: E2
Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward

Category Type ID: 3
Category Type Desc: Fugitive
Category Type Desc (fr): Émissions fugitives
Grouping: Total Air
Trans Code: VOCs
Chem: PM2.5 - Particulate Matter <= 2.5 Microns

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|--|--------------------------|-------------|-----------|
| Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | PM2,5 - Matière particulaire <= 2,5 microns .288 tonnes E2 E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: Category Type Desc: Category Type Desc (fr): Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | 13 All Media Rejets à tous les médias Total All Media<1t Methylenebis(phenylisocyanate) Méthylènebis(phénylisocyanate) 0 tonnes E2 E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: Category Type Desc: Category Type Desc (fr): Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | 1 Stack / Point Rejets de cheminée ou ponctuels Total Air ASta PM2.5 - Particulate Matter <= 2.5 Microns PM2,5 - Matière particulaire <= 2,5 microns 2.5802 tonnes E2 E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: Category Type Desc: Category Type Desc (fr): Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | 13 All Media Rejets à tous les médias Total All Media<1t Manganese (and its compounds) Manganèse (et ses composés) .0595 tonnes E2 E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: Category Type Desc: Category Type Desc (fr): Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | 1 Stack / Point Rejets de cheminée ou ponctuels Total Air ASta PM10 - Particulate Matter <= 10 Microns PM10 - Matière particulaire <= 10 microns 2.5785 tonnes E2 E2- Published Emission Factors - In use from 2003 and onward | | | |

8

84 of 114

SSE/200.2

415.9 / -0.08

GSW WATER HEATING
599 Hill Street West
Fergus ON

GEN

Generator No: ON0084500
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 335229
SIC Description: Other Major Appliance Manufacturing

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

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|--------------------------------|------------------|------|----|
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 232 | | | |
| Waste Class Desc: | | POLYMERIC RESINS | | | |
| Waste Class: | | 241 | | | |
| Waste Class Desc: | | HALOGENATED SOLVENTS | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 213 | | | |
| Waste Class Desc: | | PETROLEUM DISTILLATES | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| Waste Class: | | 146 | | | |
| Waste Class Desc: | | OTHER SPECIFIED INORGANICS | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: | | 148 | | | |
| Waste Class Desc: | | INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 212 | | | |
| Waste Class Desc: | | ALIPHATIC SOLVENTS | | | |
| Waste Class: | | 233 | | | |
| Waste Class Desc: | | OTHER POLYMERIC WASTES | | | |
| Waste Class: | | 265 | | | |
| Waste Class Desc: | | GRAPHIC ART WASTES | | | |
| Waste Class: | | 253 | | | |
| Waste Class Desc: | | EMULSIFIED OILS | | | |

| | | | | | |
|--------------------------|-------------------------------------|------------------|----------------------|---|------------|
| <u>8</u> | 85 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 Hill Street West Fergus ON | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2011 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 335229 | | | | |
| SIC Description: | Other Major Appliance Manufacturing | | | | |

| | | | | | |
|--------------------------|--|------------------------------|--|--|--|
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 232 | | | |
| Waste Class Desc: | | POLYMERIC RESINS | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 241 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|--------------------------------|------------------|------|----|
| Waste Class Desc: | | HALOGENATED SOLVENTS | | | |
| Waste Class: | | 213 | | | |
| Waste Class Desc: | | PETROLEUM DISTILLATES | | | |
| Waste Class: | | 253 | | | |
| Waste Class Desc: | | EMULSIFIED OILS | | | |
| Waste Class: | | 212 | | | |
| Waste Class Desc: | | ALIPHATIC SOLVENTS | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 146 | | | |
| Waste Class Desc: | | OTHER SPECIFIED INORGANICS | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: | | 233 | | | |
| Waste Class Desc: | | OTHER POLYMERIC WASTES | | | |
| Waste Class: | | 265 | | | |
| Waste Class Desc: | | GRAPHIC ART WASTES | | | |
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| Waste Class: | | 148 | | | |
| Waste Class Desc: | | INORGANIC LABORATORY CHEMICALS | | | |

| | | | | | |
|--------------------------|-------------------------------------|-----------|---------------|--|-----|
| <u>8</u> | 86 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 Hill Street West Fergus ON N1M 2X1 | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2012 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 335229 | | | | |
| SIC Description: | Other Major Appliance Manufacturing | | | | |

Detail(s)

| | |
|--------------------------|---------------------------|
| Waste Class: | 232 |
| Waste Class Desc: | POLYMERIC RESINS |
| Waste Class: | 252 |
| Waste Class Desc: | WASTE OILS & LUBRICANTS |
| Waste Class: | 265 |
| Waste Class Desc: | GRAPHIC ART WASTES |
| Waste Class: | 241 |
| Waste Class Desc: | HALOGENATED SOLVENTS |
| Waste Class: | 112 |
| Waste Class Desc: | ACID WASTE - HEAVY METALS |
| Waste Class: | 253 |
| Waste Class Desc: | EMULSIFIED OILS |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Waste Class: | | 212 | | | |
| Waste Class Desc: | | ALIPHATIC SOLVENTS | | | |
| Waste Class: | | 233 | | | |
| Waste Class Desc: | | OTHER POLYMERIC WASTES | | | |
| Waste Class: | | 213 | | | |
| Waste Class Desc: | | PETROLEUM DISTILLATES | | | |
| Waste Class: | | 148 | | | |
| Waste Class Desc: | | INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 146 | | | |
| Waste Class Desc: | | OTHER SPECIFIED INORGANICS | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |

| | | | | | |
|--------------------------|-------------------------------------|------------------|----------------------|---|------------|
| 8 | 87 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW WATER HEATING 599 Hill Street West Fergus ON | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2013 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 335229 | | | | |
| SIC Description: | OTHER MAJOR APPLIANCE MANUFACTURING | | | | |

Detail(s)

| | |
|--------------------------|--------------------------------|
| Waste Class: | 265 |
| Waste Class Desc: | GRAPHIC ART WASTES |
| Waste Class: | 145 |
| Waste Class Desc: | PAINT/PIGMENT/COATING RESIDUES |
| Waste Class: | 148 |
| Waste Class Desc: | INORGANIC LABORATORY CHEMICALS |
| Waste Class: | 232 |
| Waste Class Desc: | POLYMERIC RESINS |
| Waste Class: | 263 |
| Waste Class Desc: | ORGANIC LABORATORY CHEMICALS |
| Waste Class: | 253 |
| Waste Class Desc: | EMULSIFIED OILS |
| Waste Class: | 213 |
| Waste Class Desc: | PETROLEUM DISTILLATES |
| Waste Class: | 212 |
| Waste Class Desc: | ALIPHATIC SOLVENTS |
| Waste Class: | 252 |
| Waste Class Desc: | WASTE OILS & LUBRICANTS |
| Waste Class: | 241 |
| Waste Class Desc: | HALOGENATED SOLVENTS |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|----------------------------|------------------|------|----|
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| Waste Class: | | 233 | | | |
| Waste Class Desc: | | OTHER POLYMERIC WASTES | | | |
| Waste Class: | | 146 | | | |
| Waste Class Desc: | | OTHER SPECIFIED INORGANICS | | | |

| 8 | 88 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH ENTERPRISES LTD. 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|-----------------------|
| NPRI ID: | 2409 | | | Org ID: | 35084 |
| Other ID: | | | | Submit Date: | 2/4/2015 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 124757 | | | Contact ID: | 232554 |
| Report ID: | 42353 | | | Cont Type: | MEM |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | JOHN |
| Report Year: | 2013 | | | Cont Last Name: | WEILER |
| Not-Current Rpt?: | No | | | Contact Position: | INTERIM DIRECTOR, EHS |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111875 | | | Contact Ph.: | 5198431610 |
| Fac Name: | A.O. SMITH WPC CANADA | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | JWEILER@HOTWATER.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 438 | | | Waste Streams: | |
| Parent Co.: | | | | No Streams: | |
| No Parent Co.: | | | | Waste Off Sites: | |
| Pollut Prev Cmnts: | | | | No Off Sites: | |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

Substance Release Report

| | |
|---------------------------------|---|
| Category Type ID: | 3 |
| Category Type Desc: | Fugitive |
| Category Type Desc (fr): | Émissions fugitives |
| Grouping: | Total Air |
| Trans Code: | VOCs |
| Chem: | PM10 - Particulate Matter <= 10 Microns |
| Chem (fr): | PM10 - Matière particulaire <= 10 microns |
| Quantity: | 2.63 |
| Unit: | tonnes |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|---|--|------------------|--|-----|
| <hr/> | | | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 3 | | | |
| Category Type Desc: | | Fugitive | | | |
| Category Type Desc (fr): | | Émissions fugitives | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | VOCs | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 2.63 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphenylméthane (polymérisé) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Methylenebis(phenylisocyanate) | | | |
| Chem (fr): | | Méthylènebis(phénylisocyanate) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .0092 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| <hr/> | | | | | |
| <u>8</u> | 89 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West, Centre Wellington, County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON | EBR |
| EBR Registry No: | 012-3441 | | | Decision Posted: | |
| Ministry Ref No: | 3064-9RXMQZ | | | Exception Posted: | |
| Notice Type: | Instrument Decision | | | Section: | |
| Notice Stage: | | | | Act 1: | |
| Notice Date: | September 25, 2018 | | | Act 2: | |
| Proposal Date: | February 03, 2015 | | | Site Location Map: | |
| Year: | 2015 | | | | |
| Instrument Type: | Environmental Compliance Approval (project type: air) - EPA Part II.1-air | | | | |

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

Off Instrument Name:

Posted By:

Company Name: A.O. Smith Enterprises Ltd.(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)

Site Address:

Location Other:

Proponent Name: A.O. Smith Enterprises Ltd.
Proponent Address: 599 Hill Street West
 Postal Station Postal Station
 Centre Wellington Ontario
 Canada N1M 2X1

Comment Period:

URL: <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTI0MzYz&statusId=MjA3NDkz&language=en>

Site Location Details:

599 Hill Street West, Centre Wellington, County of Wellington
 TOWNSHIP OF CENTRE WELLINGTON

| 8 | 90 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH ENTERPRISES LTD. 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
|-------------------------------------|-------------------------------------|-----------|---------------|--|----------------------|
| NPRI ID: | 2409 | | | Org ID: | 35084 |
| Other ID: | | | | Submit Date: | 6/2/2014 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 122792 | | | Contact ID: | |
| Report ID: | 27498 | | | Cont Type: | |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | |
| Report Year: | 2012 | | | Cont Last Name: | |
| Not-Current Rpt?: | No | | | Contact Position: | |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | |
| Fac ID: | 111875 | | | Contact Ph.: | |
| Fac Name: | A.O. SMITH WPC CANADA | | | Cont Area Code: | |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | |
| Facility Lat: | 43.7008 | | | Contact Fax: | |
| Facility Long: | -80.3864 | | | Contact Email: | |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 460 | | | Waste Streams: | |
| Parent Co.: | | | | No Streams: | |
| No Parent Co.: | | | | Waste Off Sites: | |
| Pollut Prev Cmnts: | | | | No Off Sites: | |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|--|--------------------------|---|-------------|
| <u>Substance Release Report</u> | | | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Polymeric diphenylmethane diisocyanate | | | |
| Chem (fr): | | Diisocyanate de diphénylméthane (polymérisé) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |
| Category Type ID: | | 3 | | | |
| Category Type Desc: | | Fugitive | | | |
| Category Type Desc (fr): | | Émissions fugitives | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | VOCs | | | |
| Chem: | | PM10 - Particulate Matter <= 10 Microns | | | |
| Chem (fr): | | PM10 - Matière particulaire <= 10 microns | | | |
| Quantity: | | 2.82 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Methylenebis(phenylisocyanate) | | | |
| Chem (fr): | | Méthylènebis(phénylisocyanate) | | | |
| Quantity: | | 0 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |
| Category Type ID: | | 3 | | | |
| Category Type Desc: | | Fugitive | | | |
| Category Type Desc (fr): | | Émissions fugitives | | | |
| Grouping: | | Total Air | | | |
| Trans Code: | | VOCs | | | |
| Chem: | | PM2.5 - Particulate Matter <= 2.5 Microns | | | |
| Chem (fr): | | PM2,5 - Matière particulaire <= 2,5 microns | | | |
| Quantity: | | 2.82 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | O | | | |
| Basis of Estimate Desc: | | O- Engineering Estimates | | | |
| Category Type ID: | | 13 | | | |
| Category Type Desc: | | All Media | | | |
| Category Type Desc (fr): | | Rejets à tous les médias | | | |
| Grouping: | | Total All Media<1t | | | |
| Trans Code: | | | | | |
| Chem: | | Manganese (and its compounds) | | | |
| Chem (fr): | | Manganèse (et ses composés) | | | |
| Quantity: | | .04 | | | |
| Unit: | | tonnes | | | |
| Basis of Estimate Cd: | | E2 | | | |
| Basis of Estimate Desc: | | E2- Published Emission Factors - In use from 2003 and onward | | | |
| 8 | 91 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH ENTERPRISES LTD. 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB | |
|---------|-------------------|----------------------------|------------------|--|--|--|
| | | | | NPRI ID: 2409 Other ID: No Other ID: Track ID: 130978 Report ID: 57201 Report Type: DNMC Rpt Type ID: 2 Report Year: 2014 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 223502 Fac Name: A.O. SMITH ENTERPRISES LTD. Fac Address1: 599 HILL STREET Fac Address2: NOT AVAILABLE Fac Postal Zip: N1M2X1 Facility Lat: 43.70203 Facility Long: -80.38667 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: URL: No of Empl.: Parent Co.: No Parent Co.: Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 49 NAICS 2 Description: Transportation and warehousing NAICS Code (4 digit): 4931 NAICS 4 Description: Warehousing and storage NAICS Code (6 digit): 493110 NAICS 6 Description: General warehousing and storage | Org ID: 101795 Submit Date: 6/2/2015 Last Modified: 6/10/2015 10:59:04 AM Contact ID: 232554 Cont Type: MEM Contact Title: Cont First Name: JOHN Cont Last Name: WEILER Contact Position: INTERIM DIRECTOR, EHS Contact Fax: 5197875509 Contact Ph.: 5198431610 Cont Area Code: 519 Contact Tel.: 98431610 Contact Ext.: Cont Fax Area Cde: 519 Contact Fax: 97875509 Contact Email: JWELER@HOTWATER.COM Latitude: 43.7008 Longitude: -80.3864 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No Streams: Waste Off Sites: No Off Sites: Shutdown: No of Shutdown: | |

[8](#)

92 of 114

SSE/200.2

415.9 / -0.08

A.O. Smith Enterprises Ltd.
599 Hill St W, Geographic Township: NICHOL,
Centre Wellington, Township, County of
Wellington TOWNSHIP OF CENTRE
WELLINGTON
ON

PTTW

| | |
|--|---|
| EBR Registry No: 012-9734 Ministry Ref No: 7225-AHSKXR Notice Type: Instrument Decision Notice Stage: Notice Date: June 27, 2017 Proposal Date: January 31, 2017 Year: 2017 Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name: Posted By: Company Name: A.O. Smith Enterprises Ltd. Site Address: Location Other: Proponent Name: Proponent Address: 599 Hill Street West, Post Office Box Delivery 1200, Postal Station Stn Main, Fergus Ontario, Canada N1M 2X1 Comment Period: URL: | Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map: |
|--|---|

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|----------------------------|------------------|---|-----|
| Site Location Details: | | | | | |
| 599 Hill St W, Geographic Township: NICHOL, Centre Wellington, Township, County of Wellington TOWNSHIP OF CENTRE WELLINGTON | | | | | |
| 8 | 93 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West Centre Wellington ON N1M 2X1 | ECA |
| Approval No: | 3358-4YWKYA | MOE District: | Guelph | | |
| Approval Date: | 2001-07-31 | City: | | | |
| Status: | Approved | Longitude: | -80.38579 | | |
| Record Type: | ECA | Latitude: | 43.70112 | | |
| Link Source: | IDS | Geometry X: | | | |
| SWP Area Name: | Grand River | Geometry Y: | | | |
| Approval Type: | ECA-AIR | | | | |
| Project Type: | AIR | | | | |
| Business Name: | GSW Inc. | | | | |
| Address: | 599 Hill Street West | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/1816-4XVP4T-14.pdf | | | | |
| 8 | 94 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West Centre Wellington ON N1M 1G6 | ECA |
| Approval No: | 4-0147-96-976 | MOE District: | Guelph | | |
| Approval Date: | 2000-03-20 | City: | | | |
| Status: | Revoked and/or Replaced | Longitude: | -80.38579 | | |
| Record Type: | ECA | Latitude: | 43.70112 | | |
| Link Source: | IDS | Geometry X: | | | |
| SWP Area Name: | Grand River | Geometry Y: | | | |
| Approval Type: | ECA-INDUSTRIAL SEWAGE WORKS | | | | |
| Project Type: | INDUSTRIAL SEWAGE WORKS | | | | |
| Business Name: | GSW Inc. | | | | |
| Address: | 599 Hill Street West | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/1071-4FNL4Q-14.pdf | | | | |
| 8 | 95 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West Centre Wellington ON N1M 2X1 | ECA |
| Approval No: | 7792-57RSEM | MOE District: | Guelph | | |
| Approval Date: | 2002-05-29 | City: | | | |
| Status: | Revoked and/or Replaced | Longitude: | -80.38579 | | |
| Record Type: | ECA | Latitude: | 43.70112 | | |
| Link Source: | IDS | Geometry X: | | | |
| SWP Area Name: | Grand River | Geometry Y: | | | |
| Approval Type: | ECA-AIR | | | | |
| Project Type: | AIR | | | | |
| Business Name: | GSW Inc. | | | | |
| Address: | 599 Hill Street West | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/3817-4Z7MWD-14.pdf | | | | |
| 8 | 96 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill St W Centre Wellington ON N1M 1G6 | ECA |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------|---|----------------------------|----------------------|--|------------|
| Approval No: | 3527-75XNLQ | | | MOE District: Guelph | |
| Approval Date: | 2007-09-18 | | | City: | |
| Status: | Revoked and/or Replaced | | | Longitude: -80.38579 | |
| Record Type: | ECA | | | Latitude: 43.70112 | |
| Link Source: | IDS | | | Geometry X: | |
| SWP Area Name: | Grand River | | | Geometry Y: | |
| Approval Type: | ECA-AIR | | | | |
| Project Type: | AIR | | | | |
| Business Name: | A.O. Smith Enterprises Ltd. | | | | |
| Address: | 599 Hill St W | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/7305-73WRXY-14.pdf | | | | |
| 8 | 97 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | ECA |
| Approval No: | 5868-6X4KWX | | | MOE District: Guelph | |
| Approval Date: | 2007-01-10 | | | City: | |
| Status: | Revoked and/or Replaced | | | Longitude: -80.38579 | |
| Record Type: | ECA | | | Latitude: 43.70112 | |
| Link Source: | IDS | | | Geometry X: | |
| SWP Area Name: | Grand River | | | Geometry Y: | |
| Approval Type: | ECA-INDUSTRIAL SEWAGE WORKS | | | | |
| Project Type: | INDUSTRIAL SEWAGE WORKS | | | | |
| Business Name: | GSW Inc. | | | | |
| Address: | 599 Hill Street West, Fergus | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/0093-6W3NGZ-14.pdf | | | | |
| 8 | 98 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West Centre Wellington ON N1M 2X1 | ECA |
| Approval No: | 8585-4UDQJP | | | MOE District: Guelph | |
| Approval Date: | 2002-05-29 | | | City: | |
| Status: | Revoked and/or Replaced | | | Longitude: -80.38579 | |
| Record Type: | ECA | | | Latitude: 43.70112 | |
| Link Source: | IDS | | | Geometry X: | |
| SWP Area Name: | Grand River | | | Geometry Y: | |
| Approval Type: | ECA-AIR | | | | |
| Project Type: | AIR | | | | |
| Business Name: | GSW Inc. | | | | |
| Address: | 599 Hill Street West | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/4081-4QENPN-14.pdf | | | | |
| 8 | 99 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | ECA |
| Approval No: | 8704-6NDS6C | | | MOE District: Guelph | |
| Approval Date: | 2007-04-01 | | | City: | |
| Status: | Revoked and/or Replaced | | | Longitude: -80.38579 | |
| Record Type: | ECA | | | Latitude: 43.70112 | |
| Link Source: | IDS | | | Geometry X: | |
| SWP Area Name: | Grand River | | | Geometry Y: | |
| Approval Type: | ECA-AIR | | | | |
| Project Type: | AIR | | | | |
| Business Name: | A.O. Smith Enterprises Ltd. | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------|-------------------|---|------------------|------|----|
| Address: | | 599 Hill Street West, Fergus | | | |
| Full Address: | | | | | |
| Full PDF Link: | | https://www.accessenvironment.ene.gov.on.ca/instruments/2532-66JMMD-14.pdf | | | |

| | | | | | |
|--------------------------|------------|---|---------------|---|-----|
| <u>8</u> | 100 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West Centre Wellington ON N1M 1G6 | ECA |
| Approval No: | | 7500-4HQH5D | | MOE District: Guelph | |
| Approval Date: | | 2000-03-24 | | City: | |
| Status: | | Revoked and/or Replaced | | Longitude: -80.38579 | |
| Record Type: | | ECA | | Latitude: 43.70112 | |
| Link Source: | | IDS | | Geometry X: | |
| SWP Area Name: | | Grand River | | Geometry Y: | |
| Approval Type: | | ECA-AIR | | | |
| Project Type: | | AIR | | | |
| Business Name: | | GSW Inc. | | | |
| Address: | | 599 Hill Street West | | | |
| Full Address: | | | | | |
| Full PDF Link: | | https://www.accessenvironment.ene.gov.on.ca/instruments/8214-4FNPLM-14.pdf | | | |

| | | | | | |
|--------------------------|------------|---|---------------|---|-----|
| <u>8</u> | 101 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Inc. 599 Hill Street West, Fergus Centre Wellington ON N1M 2X1 | ECA |
| Approval No: | | 1455-6K3UM6 | | MOE District: Guelph | |
| Approval Date: | | 2005-12-16 | | City: | |
| Status: | | Approved | | Longitude: -80.38579 | |
| Record Type: | | ECA | | Latitude: 43.70112 | |
| Link Source: | | IDS | | Geometry X: | |
| SWP Area Name: | | Grand River | | Geometry Y: | |
| Approval Type: | | ECA-AIR | | | |
| Project Type: | | AIR | | | |
| Business Name: | | GSW Inc. | | | |
| Address: | | 599 Hill Street West, Fergus | | | |
| Full Address: | | | | | |
| Full PDF Link: | | https://www.accessenvironment.ene.gov.on.ca/instruments/6168-6K3U8N-14.pdf | | | |

| | | | | | |
|--------------------------|------------|---|---------------|---|-----|
| <u>8</u> | 102 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West Fergus ON N1M 2X1 | GEN |
| Generator No: | | ON0084500 | | PO Box No: | |
| Status: | | | | Country: Canada | |
| Approval Years: | | 2016 | | Choice of Contact: CO_OFFICIAL | |
| Contam. Facility: | | No | | Co Admin: Mary Shannon | |
| MHSW Facility: | | No | | Phone No Admin: 519-843-1610 Ext.4305 | |
| SIC Code: | | 414220 | | | |
| SIC Description: | | HOUSEHOLD APPLIANCE WHOLESALER-DISTRIBUTORS | | | |

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Waste Class: | | 262 | | | |
| Waste Class Desc: | | DETERGENTS/SOAPS | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 232 | | | |
| Waste Class Desc: | | POLYMERIC RESINS | | | |
| Waste Class: | | 148 | | | |
| Waste Class Desc: | | INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 233 | | | |
| Waste Class Desc: | | OTHER POLYMERIC WASTES | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 265 | | | |
| Waste Class Desc: | | GRAPHIC ART WASTES | | | |
| Waste Class: | | 241 | | | |
| Waste Class Desc: | | HALOGENATED SOLVENTS | | | |
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| Waste Class: | | 253 | | | |
| Waste Class Desc: | | EMULSIFIED OILS | | | |
| Waste Class: | | 251 | | | |
| Waste Class Desc: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: | | 331 | | | |
| Waste Class Desc: | | WASTE COMPRESSED GASES | | | |
| Waste Class: | | 268 | | | |
| Waste Class Desc: | | AMINES | | | |
| Waste Class: | | 122 | | | |
| Waste Class Desc: | | ALKALINE WASTES - OTHER METALS | | | |

8 103 of 114 **SSE/200.2** **415.9 / -0.08** **A.O. Smith Enterprises Ltd.**
599 Hill Street West
Fergus ON N1M 2X1 **GEN**

| | | | |
|--------------------------|---|---------------------------|-----------------------|
| Generator No: | ON0084500 | PO Box No: | |
| Status: | | Country: | Canada |
| Approval Years: | 2015 | Choice of Contact: | CO_OFFICIAL |
| Contam. Facility: | No | Co Admin: | Tamara Hermann |
| MHSW Facility: | No | Phone No Admin: | 519-843-1610 Ext.4342 |
| SIC Code: | 414220 | | |
| SIC Description: | HOUSEHOLD APPLIANCE WHOLESALER-DISTRIBUTORS | | |

Detail(s)

Waste Class: 233
Waste Class Desc: OTHER POLYMERIC WASTES

Waste Class: 148

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Waste Class Desc: | | INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 232 | | | |
| Waste Class Desc: | | POLYMERIC RESINS | | | |
| Waste Class: | | 213 | | | |
| Waste Class Desc: | | PETROLEUM DISTILLATES | | | |
| Waste Class: | | 212 | | | |
| Waste Class Desc: | | ALIPHATIC SOLVENTS | | | |
| Waste Class: | | 241 | | | |
| Waste Class Desc: | | HALOGENATED SOLVENTS | | | |
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| Waste Class: | | 146 | | | |
| Waste Class Desc: | | OTHER SPECIFIED INORGANICS | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: | | 262 | | | |
| Waste Class Desc: | | DETERGENTS/SOAPS | | | |
| Waste Class: | | 122 | | | |
| Waste Class Desc: | | ALKALINE WASTES - OTHER METALS | | | |
| Waste Class: | | 265 | | | |
| Waste Class Desc: | | GRAPHIC ART WASTES | | | |
| Waste Class: | | 268 | | | |
| Waste Class Desc: | | AMINES | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 253 | | | |
| Waste Class Desc: | | EMULSIFIED OILS | | | |
| Waste Class: | | 263 | | | |
| Waste Class Desc: | | ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: | | 331 | | | |
| Waste Class Desc: | | WASTE COMPRESSED GASES | | | |
| Waste Class: | | 251 | | | |
| Waste Class Desc: | | OIL SKIMMINGS & SLUDGES | | | |

8

104 of 114

SSE/200.2

415.9 / -0.08

A.O. Smith Enterprises Ltd.
599 Hill Street West
Fergus ON N1M 2X1

GEN

Generator No: ON0084500
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 414220
SIC Description: HOUSEHOLD APPLIANCE WHOLESALER-DISTRIBUTORS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Tamara Hermann
Phone No Admin: 519-843-1610 Ext.4342

Detail(s)

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|---------------------------------------|--------------------------|-------------|-----------|
| Waste Class: Waste Class Desc: | | 263 ORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: Waste Class Desc: | | 252 WASTE OILS & LUBRICANTS | | | |
| Waste Class: Waste Class Desc: | | 148 INORGANIC LABORATORY CHEMICALS | | | |
| Waste Class: Waste Class Desc: | | 253 EMULSIFIED OILS | | | |
| Waste Class: Waste Class Desc: | | 233 OTHER POLYMERIC WASTES | | | |
| Waste Class: Waste Class Desc: | | 146 OTHER SPECIFIED INORGANICS | | | |
| Waste Class: Waste Class Desc: | | 145 PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: Waste Class Desc: | | 265 GRAPHIC ART WASTES | | | |
| Waste Class: Waste Class Desc: | | 232 POLYMERIC RESINS | | | |
| Waste Class: Waste Class Desc: | | 212 ALIPHATIC SOLVENTS | | | |
| Waste Class: Waste Class Desc: | | 112 ACID WASTE - HEAVY METALS | | | |
| Waste Class: Waste Class Desc: | | 262 DETERGENTS/SOAPS | | | |
| Waste Class: Waste Class Desc: | | 331 WASTE COMPRESSED GASES | | | |
| Waste Class: Waste Class Desc: | | 213 PETROLEUM DISTILLATES | | | |
| Waste Class: Waste Class Desc: | | 122 ALKALINE WASTES - OTHER METALS | | | |
| Waste Class: Waste Class Desc: | | 241 HALOGENATED SOLVENTS | | | |
| Waste Class: Waste Class Desc: | | 268 AMINES | | | |
| Waste Class: Waste Class Desc: | | 251 OIL SKIMMINGS & SLUDGES | | | |

[8](#)

105 of 114

SSE/200.2

415.9 / -0.08

A.O. Smith Enterprises Ltd.
599 Hill Street West
Fergus ON N1M 2X1

GEN

Generator No: ON0084500
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|---|------------------|------|----|
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 145 I | | | |
| Waste Class Desc: | | Wastes from the use of pigments, coatings and paints | | | |
| Waste Class: | | 146 L | | | |
| Waste Class Desc: | | Other specified inorganic sludges, slurries or solids | | | |
| Waste Class: | | 148 C | | | |
| Waste Class Desc: | | Misc. wastes and inorganic chemicals | | | |
| Waste Class: | | 212 L | | | |
| Waste Class Desc: | | Aliphatic solvents and residues | | | |
| Waste Class: | | 252 T | | | |
| Waste Class Desc: | | Waste crankcase oils and lubricants | | | |
| Waste Class: | | 253 L | | | |
| Waste Class Desc: | | Emulsified oils | | | |
| Waste Class: | | 262 L | | | |
| Waste Class Desc: | | Detergents and soaps | | | |
| Waste Class: | | 263 L | | | |
| Waste Class Desc: | | Misc. waste organic chemicals | | | |
| Waste Class: | | 331 I | | | |
| Waste Class Desc: | | Waste compressed gases including cylinders | | | |

| | | | | | |
|-------------------------------------|-----------------------|-----------|---------------|--|-----------------------|
| 8 | 106 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. SMITH ENTERPRISES LTD. 599 HILL STREET NOT AVAILABLE FERGUS ON N1M2X1 | NPRI |
| NPRI ID: | 2409 | | | Org ID: | 35084 |
| Other ID: | | | | Submit Date: | 7/2/2014 |
| No Other ID: | | | | Last Modified: | 5/29/2015 3:28:24 PM |
| Track ID: | 123025 | | | Contact ID: | 232554 |
| Report ID: | 41325 | | | Cont Type: | MED |
| Report Type: | NPRI | | | Contact Title: | |
| Rpt Type ID: | 1 | | | Cont First Name: | JOHN |
| Report Year: | 2013 | | | Cont Last Name: | WEILER |
| Not-Current Rpt?: | Yes | | | Contact Position: | INTERIM DIRECTOR, EHS |
| Yr of Last Filed Rpt: | 2014 | | | Contact Fax: | 5197875509 |
| Fac ID: | 111875 | | | Contact Ph.: | 5198431610 |
| Fac Name: | A.O. SMITH WPC CANADA | | | Cont Area Code: | 519 |
| Fac Address1: | 599 HILL STREET | | | Contact Tel.: | 98431610 |
| Fac Address2: | NOT AVAILABLE | | | Contact Ext.: | |
| Fac Postal Zip: | N1M2X1 | | | Cont Fax Area Cde: | 519 |
| Facility Lat: | 43.7008 | | | Contact Fax: | 97875509 |
| Facility Long: | -80.3864 | | | Contact Email: | JWEILER@HOTWATER.COM |
| DLS (Last Filed Rpt): | | | | Latitude: | 43.7008 |
| Facility DLS: | | | | Longitude: | -80.3864 |
| Datum: | 1983 | | | UTM Zone: | |
| Facility Cmnts: | | | | UTM Northing: | |
| URL: | | | | UTM Easting: | |
| No of Empl.: | 438 | | | Waste Streams: | |
| Parent Co.: | | | | No Streams: | |
| No Parent Co.: | | | | Waste Off Sites: | |
| Pollut Prev Cmnts: | | | | No Off Sites: | |
| Stacks: | | | | Shutdown: | |
| No of Stacks: | | | | No of Shutdown: | |
| Canadian SIC Code (2 digit): | | | | | |
| Canadian SIC Code: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--|------------------------------------|--------------------------|-------------|-----------|
| SIC Code Description: | | | | | |
| American SIC Code: | | | | | |
| NAICS Code (2 digit): | 33 | | | | |
| NAICS 2 Description: | Manufacturing | | | | |
| NAICS Code (4 digit): | 3352 | | | | |
| NAICS 4 Description: | Household appliance manufacturing | | | | |
| NAICS Code (6 digit): | 335229 | | | | |
| NAICS 6 Description: | Other major appliance manufacturing | | | | |
| | | | | | |
| <u>Substance Release Report</u> | | | | | |
| | | | | | |
| Category Type ID: | 3 | | | | |
| Category Type Desc: | Fugitive | | | | |
| Category Type Desc (fr): | Émissions fugitives | | | | |
| Grouping: | Total Air | | | | |
| Trans Code: | VOCs | | | | |
| Chem: | PM2.5 - Particulate Matter <= 2.5 Microns | | | | |
| Chem (fr): | PM2,5 - Matière particulaire <= 2,5 microns | | | | |
| Quantity: | 2.63 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| | | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Methylenebis(phenylisocyanate) | | | | |
| Chem (fr): | Méthylènebis(phénylisocyanate) | | | | |
| Quantity: | 0 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | O | | | | |
| Basis of Estimate Desc: | O- Engineering Estimates | | | | |
| | | | | | |
| Category Type ID: | 3 | | | | |
| Category Type Desc: | Fugitive | | | | |
| Category Type Desc (fr): | Émissions fugitives | | | | |
| Grouping: | Total Air | | | | |
| Trans Code: | VOCs | | | | |
| Chem: | PM10 - Particulate Matter <= 10 Microns | | | | |
| Chem (fr): | PM10 - Matière particulaire <= 10 microns | | | | |
| Quantity: | 2.63 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| | | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Manganese (and its compounds) | | | | |
| Chem (fr): | Manganèse (et ses composés) | | | | |
| Quantity: | .0092 | | | | |
| Unit: | tonnes | | | | |
| Basis of Estimate Cd: | E2 | | | | |
| Basis of Estimate Desc: | E2- Published Emission Factors - In use from 2003 and onward | | | | |
| | | | | | |
| Category Type ID: | 13 | | | | |
| Category Type Desc: | All Media | | | | |
| Category Type Desc (fr): | Rejets à tous les médias | | | | |
| Grouping: | Total All Media<1t | | | | |
| Trans Code: | | | | | |
| Chem: | Polymeric diphenylmethane diisocyanate | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|---|------------------|--|--|
| Chem (fr): Quantity: Unit: Basis of Estimate Cd: Basis of Estimate Desc: | | Diisocyanate de diphénylméthane (polymérisé) 0 tonnes O O- Engineering Estimates | | | |
| 8 | 107 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill St W Centre Wellington ON N1M 2X1 | ECA |
| Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: | | 6667-ALCMGF 2017-06-30 Revoked and/or Replaced ECA IDS ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS A.O. Smith Enterprises Ltd. 599 Hill St W https://www.accessenvironment.ene.gov.on.ca/instruments/7949-9RXQ7H-14.pdf | | | MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: |
| 8 | 108 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill St W Centre Wellington ON N1M 2X1 | ECA |
| Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: | | 6964-AXJQHK 2018-04-26 Approved ECA IDS Grand River ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS A.O. Smith Enterprises Ltd. 599 Hill St W https://www.accessenvironment.ene.gov.on.ca/instruments/5590-AWUGPR-14.pdf | | | MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: |
| 8 | 109 of 114 | SSE/200.2 | 415.9 / -0.08 | GSW Water Heating Products Unnamed 599 Hill Street West Lot 9 Centre Wellington ON | LIMO |
| ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: Lndfl Gas Mgmt (P): Lndfl Gas Mgmt (F): Lndfl Gas Mgmt (E): Lndfl Gas Mgmt Sys: Landfill Gas Mntr: Leachate Coll Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate Unit: | | X8111 Historic Historic and Closed Landfills | | | Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfl Gas: Lndfl Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: MOE District: Site County: Lot: |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|--|------------------|---|----|
| Tot Fill Area (ha): Tot Site Area (ha): Footprint: Tot Apprv Cap (m3): Contam Atten Zone: Grndwtr Mntr: Surf Wtr Mntr: Air Emis Monitor: Approved Waste Type: Client Site Name: | | GSW Water Heating Products Unnamed | | Concession: Latitude: Longitude: Easting: Northing: UTM Zone: Data Source: | |
| ERC Methodology: Site Name: Site Location Details: | | 599 Hill Street West Lot 9 Centre Wellington | | | |
| Service Area: Page URL: | | | | | |

| | | | | | |
|---|------------|---|---------------|--|-----|
| 8 | 110 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill St W Centre Wellington ON N1M 2X1 | ECA |
| Approval No: 2563-B32KW3 Approval Date: 2018-09-20 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-AIR Project Type: AIR Business Name: A.O. Smith Enterprises Ltd. Address: 599 Hill St W Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3064-9RXMZQ-14.pdf | | MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: | | | |

| | | | | | |
|---|------------|-----------|---------------|--|------|
| 8 | 111 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill St W Centre Wellington ON | NCPL |
| Year: 2017 Site Name: 599 Hill Street West Facility Owner: A.O. Smith Enterprises Ltd. Discharge Type: Industrial Sewage Sector: Miscellaneous Industrial District Area: Guelph Type of Concern: Approval/Permit Non-Compliance Contaminant: TRICHLOROETHYLENE Status Report: | | | | | |
| Details | | | | | |
| Incident Date: Exceedance Start Date: 2017/08/02 Exceedance End Date: 2017/08/09 Limit/Unit/Freq: 20µg/L / any Quantity Min/Max: 1320/1320 Facility Action: Operational Process Modification; Training/Procedure Change Ministry Action: Assessment Complete - Incident Resolved; Assessment Complete - No Action Required | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|--|----------------------------|------------------|---|--|
| <u>8</u> | 112 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West Fergus ON N1M 2X1 | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | Registered | | | Country: | Canada |
| Approval Years: | As of Jul 2020 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | | | | | |
| SIC Description: | | | | | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 146 L | | | | |
| Waste Class Desc: | Other specified inorganic sludges, slurries or solids | | | | |
| Waste Class: | 148 C | | | | |
| Waste Class Desc: | Misc. wastes and inorganic chemicals | | | | |
| Waste Class: | 253 L | | | | |
| Waste Class Desc: | Emulsified oils | | | | |
| Waste Class: | 263 L | | | | |
| Waste Class Desc: | Misc. waste organic chemicals | | | | |
| Waste Class: | 212 L | | | | |
| Waste Class Desc: | Aliphatic solvents and residues | | | | |
| Waste Class: | 262 L | | | | |
| Waste Class Desc: | Detergents and soaps | | | | |
| Waste Class: | 331 I | | | | |
| Waste Class Desc: | Waste compressed gases including cylinders | | | | |
| Waste Class: | 145 I | | | | |
| Waste Class Desc: | Wastes from the use of pigments, coatings and paints | | | | |
| <u>8</u> | 113 of 114 | SSE/200.2 | 415.9 / -0.08 | A.O. Smith Enterprises Ltd. 599 Hill Street West Fergus, ON N1M 1J7 Canada ON | PTTW |
| EBR Registry No: | 019-1829 | | | Decision Posted: | |
| Ministry Ref No: | 7323-BPSK5G | | | Exception Posted: | |
| Notice Type: | Instrument | | | Section: | Section 34 |
| Notice Stage: | Proposal Updated | | | Act 1: | Ontario Water Resources Act, R.S.O. 1990 |
| Notice Date: | | | | Act 2: | Ontario Water Resources Act |
| Proposal Date: | June 02, 2020 | | | Site Location Map: | 43.700543,-80.386322 |
| Year: | 2020 | | | | |
| Instrument Type: | Permit to take water | | | | |
| Off Instrument Name: | Permit to Take Water (OWRA s. 34) | | | | |
| Posted By: | Ministry of the Environment, Conservation and Parks | | | | |
| Company Name: | | | | | |
| Site Address: | 599 Hill Street West Fergus, ON N1M 1J7 Canada | | | | |
| Location Other: | | | | | |
| Proponent Name: | A.O. Smith Enterprises Ltd. | | | | |
| Proponent Address: | A.O. Smith Enterprises Ltd. 599 Hill Street West Fergus, ON | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|---|--|------------------|---|--------|
| Comment Period: | | N1M 2X1 | | | |
| URL: | | Canada | | | |
| | | June 2, 2020 - July 2, 2020 (30 days) Closed | | | |
| | | https://ero.ontario.ca/notice/019-1829 | | | |
| Site Location Details: | | | | | |
| <u>8</u> | 114 of 114 | SSE/200.2 | 415.9 / -0.08 | A. O. Smith Enterprises Ltd. 599 Hill Street West Fergus ON N1M 2X1 | GEN |
| Generator No: | ON0084500 | | | PO Box No: | |
| Status: | Registered | | | Country: | Canada |
| Approval Years: | As of Apr 2021 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | | | | | |
| SIC Description: | | | | | |
| Detail(s) | | | | | |
| Waste Class: | 146 L | | | | |
| Waste Class Desc: | Other specified inorganic sludges, slurries or solids | | | | |
| Waste Class: | 262 L | | | | |
| Waste Class Desc: | Detergents and soaps | | | | |
| Waste Class: | 331 I | | | | |
| Waste Class Desc: | Waste compressed gases including cylinders | | | | |
| Waste Class: | 148 C | | | | |
| Waste Class Desc: | Misc. wastes and inorganic chemicals | | | | |
| Waste Class: | 253 L | | | | |
| Waste Class Desc: | Emulsified oils | | | | |
| Waste Class: | 212 L | | | | |
| Waste Class Desc: | Aliphatic solvents and residues | | | | |
| Waste Class: | 148 L | | | | |
| Waste Class Desc: | Misc. wastes and inorganic chemicals | | | | |
| Waste Class: | 145 I | | | | |
| Waste Class Desc: | Wastes from the use of pigments, coatings and paints | | | | |
| Waste Class: | 263 L | | | | |
| Waste Class Desc: | Misc. waste organic chemicals | | | | |
| <u>9</u> | 1 of 3 | ENE/211.6 | 414.9 / -1.03 | Suncor Energy Products 530 Garafraxa Street Fergus ON N1M 2B2 | GEN |
| Generator No: | ON5822977 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2011 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 447110 | | | | |
| SIC Description: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|---|----------------------------|------------------|--|--------------------|
| 9 | 2 of 3 | ENE/211.6 | 414.9 / -1.03 | Suncor Energy Products 530 Garafraxa Street Fergus ON N1M 2B2 | GEN |
| Generator No: | ON5822977 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2012 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 447110 | | | | |
| SIC Description: | Gasoline Stations with Convenience Stores | | | | |
| 9 | 3 of 3 | ENE/211.6 | 414.9 / -1.03 | Suncor Energy Products 530 Garafraxa Street Fergus ON | GEN |
| Generator No: | ON5822977 | | | PO Box No: | |
| Status: | | | | Country: | |
| Approval Years: | 2013 | | | Choice of Contact: | |
| Contam. Facility: | | | | Co Admin: | |
| MHSW Facility: | | | | Phone No Admin: | |
| SIC Code: | 447110 | | | | |
| SIC Description: | | | | | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 251 | | | | |
| Waste Class Desc: | OIL SKIMMINGS & SLUDGES | | | | |
| Waste Class: | 221 | | | | |
| Waste Class Desc: | LIGHT FUELS | | | | |
| 10 | 1 of 2 | NW/212.6 | 409.6 / -6.35 | The Corporation of the Township of Centre Wellington Woodside St From Garafraxa St W , to Forfar St Centre Wellington ON N0B 1S0 | ECA |
| Approval No: | 0141-5AWMSA | | | MOE District: | Guelph |
| Approval Date: | 2002-06-11 | | | City: | |
| Status: | Approved | | | Longitude: | -80.3885 |
| Record Type: | ECA | | | Latitude: | 43.7059 |
| Link Source: | IDS | | | Geometry X: | |
| SWP Area Name: | Grand River | | | Geometry Y: | |
| Approval Type: | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS | | | | |
| Project Type: | MUNICIPAL AND PRIVATE SEWAGE WORKS | | | | |
| Business Name: | The Corporation of the Township of Centre Wellington | | | | |
| Address: | Woodside St From Garafraxa St W , to Forfar St | | | | |
| Full Address: | | | | | |
| Full PDF Link: | https://www.accessenvironment.ene.gov.on.ca/instruments/9456-59APMH-14.pdf | | | | |
| 10 | 2 of 2 | NW/212.6 | 409.6 / -6.35 | The Corporation of the Township of Centre Wellington Woodside St From Garafraxa St W , to Forfar St Centre Wellington ON N0B 1S0 | ECA |
| Approval No: | 2425-5AWM42 | | | MOE District: | Guelph |
| Approval Date: | 2002-06-11 | | | City: | |
| Status: | Approved | | | Longitude: | -80.38850000000001 |
| Record Type: | ECA | | | Latitude: | 43.7059 |
| Link Source: | IDS | | | Geometry X: | |
| SWP Area Name: | Grand River | | | Geometry Y: | |
| Approval Type: | ECA-Municipal and Private Water Works | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------|-------------------|--|------------------|------|----|
| Project Type: | | Municipal and Private Water Works | | | |
| Business Name: | | The Corporation of the Township of Centre Wellington | | | |
| Address: | | Woodside St From Garafraxa St W , to Forfar St | | | |
| Full Address: | | | | | |
| Full PDF Link: | | | | | |

| | | | | | |
|--------------------|--------|-----------|---------------|--|------|
| 11 | 1 of 1 | WSW/237.1 | 415.9 / -0.08 | 585 GARAFRARA ST WEST lot 21 con 15 FERGUS ON | WWIS |
|--------------------|--------|-----------|---------------|--|------|

| | | | |
|-------------------------------|--------------|---------------------------|-----------------------|
| Well ID: | 6715108 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Domestic | Date Received: | 10/28/2004 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 6865 |
| Casing Material: | | Form Version: | 3 |
| Audit No: | Z05780 | Owner: | |
| Tag: | A005706 | Street Name: | 585 GARAFRARA ST WEST |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | NICHOL TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 021 |
| Well Depth: | | Concession: | 15 |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6715108.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 2004/09/20 |
| Year Completed: | 2004 |
| Depth (m): | 39.42 |
| Latitude: | 43.7033826809039 |
| Longitude: | -80.3897299189485 |
| Path: | 671\6715108.pdf |

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|-----------------------------|
| Bore Hole ID: | 11179745 | Elevation: | 417.378814 |
| DP2BR: | 72.00 | Elevrc: | |
| Spatial Status: | | Zone: | 17 |
| Code OB: | r | East83: | 549171.00 |
| Code OB Desc: | Bedrock | North83: | 4839110.00 |
| Open Hole: | | Org CS: | UTM83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 20-Sep-2004 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | wwr |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock Materials Interval

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation ID: | | 932990738 | | | |
| Layer: | | 5 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 21.899999618530273 | | | |
| Formation End Depth: | | 39.41999816894531 | | | |
| Formation End Depth UOM: | | m | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932990734 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 12 | | | |
| Mat2 Desc: | | STONES | | | |
| Mat3: | | 12 | | | |
| Mat3 Desc: | | STONES | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 5.5 | | | |
| Formation End Depth UOM: | | m | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932990737 | | | |
| Layer: | | 4 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 12 | | | |
| Mat2 Desc: | | STONES | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 19.799999237060547 | | | |
| Formation End Depth: | | 21.899999618530273 | | | |
| Formation End Depth UOM: | | m | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932990735 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 12 | | | |
| Mat2 Desc: | | STONES | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 5.5 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation End Depth: | | 16.5 | | | |
| Formation End Depth UOM: | | m | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 932990736 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 16.5 | | | |
| Formation End Depth: | | 19.799999237060547 | | | |
| Formation End Depth UOM: | | m | | | |
| <u>Annular Space/Abandonment Sealing Record</u> | | | | | |
| Plug ID: | | 933262835 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 36 | | | |
| Plug Depth UOM: | | m | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 966715108 | | | |
| Method Construction Code: | | 2 | | | |
| Method Construction: | | Rotary (Convent.) | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 11188264 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930852991 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | 0.600000023841858 | | | |
| Depth To: | | 36 | | | |
| Casing Diameter: | | 15.8999996185303 | | | |
| Casing Diameter UOM: | | cm | | | |
| Casing Depth UOM: | | m | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930852992 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | 36 | | | |
| Depth To: | | 39.4000015258789 | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | | | | |
| Casing Depth UOM: | | m | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 11194627 | | | |
| Pump Set At: | | 38.0 | | | |
| Static Level: | | 31.200000762939453 | | | |
| Final Level After Pumping: | | 32.77000045776367 | | | |
| Recommended Pump Depth: | | 38.0 | | | |
| Pumping Rate: | | 34.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 34.0 | | | |
| Levels UOM: | | m | | | |
| Rate UOM: | | LPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 8 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205835 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 4 | | | |
| Test Level: | | 32.43000030517578 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11206124 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 40 | | | |
| Test Level: | | 31.81999969482422 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11206125 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 50 | | | |
| Test Level: | | 32.41999816894531 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205832 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 3 | | | |
| Test Level: | | 31.850000381469727 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205834 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Test Type: | | Draw Down | | | |
| Test Duration: | | 4 | | | |
| Test Level: | | 31.889999389648438 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205837 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 5 | | | |
| Test Level: | | 32.380001068115234 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205841 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 32.099998474121094 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205846 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 32.31999969482422 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205828 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 1 | | | |
| Test Level: | | 31.719999313354492 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205842 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 20 | | | |
| Test Level: | | 32.22999954223633 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11206127 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 32.459999084472656 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205829 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 1 | | | |
| Test Level: | | 32.58000183105469 | | | |
| Test Level UOM: | | m | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205831 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 2 | | | |
| Test Level: | | 32.52000045776367 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205839 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 10 | | | |
| Test Level: | | 32.220001220703125 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205845 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 25 | | | |
| Test Level: | | 31.950000762939453 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11206126 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 50 | | | |
| Test Level: | | 31.760000228881836 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11206128 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 31.709999084472656 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205830 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 2 | | | |
| Test Level: | | 31.799999237060547 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205836 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 5 | | | |
| Test Level: | | 31.93000030517578 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Pump Test Detail ID: | | 11205838 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 10 | | | |
| Test Level: | | 32.08000183105469 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205843 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 20 | | | |
| Test Level: | | 32.0099983215332 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205847 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 31.899999618530273 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205833 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 3 | | | |
| Test Level: | | 32.470001220703125 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205840 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 32.15999984741211 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205844 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 25 | | | |
| Test Level: | | 32.279998779296875 | | | |
| Test Level UOM: | | m | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 11205848 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 40 | | | |
| Test Level: | | 32.380001068115234 | | | |
| Test Level UOM: | | m | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 934057246 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | | | | |
| Kind: | | | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---------------------------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <i>Water Found Depth:</i> | | | 360.0 | | |
| <i>Water Found Depth UOM:</i> | | | m | | |
| <i><u>Hole Diameter</u></i> | | | | | |
| <i>Hole ID:</i> | | | 11314183 | | |
| <i>Diameter:</i> | | | 20.0 | | |
| <i>Depth From:</i> | | | 6.400000095367432 | | |
| <i>Depth To:</i> | | | 36.0 | | |
| <i>Hole Depth UOM:</i> | | | m | | |
| <i>Hole Diameter UOM:</i> | | | cm | | |
| <i><u>Hole Diameter</u></i> | | | | | |
| <i>Hole ID:</i> | | | 11314184 | | |
| <i>Diameter:</i> | | | 15.600000381469727 | | |
| <i>Depth From:</i> | | | 36.0 | | |
| <i>Depth To:</i> | | | 39.400001525878906 | | |
| <i>Hole Depth UOM:</i> | | | m | | |
| <i>Hole Diameter UOM:</i> | | | cm | | |
| <i><u>Hole Diameter</u></i> | | | | | |
| <i>Hole ID:</i> | | | 11314182 | | |
| <i>Diameter:</i> | | | 22.5 | | |
| <i>Depth From:</i> | | | 0.0 | | |
| <i>Depth To:</i> | | | 6.400000095367432 | | |
| <i>Hole Depth UOM:</i> | | | m | | |
| <i>Hole Diameter UOM:</i> | | | cm | | |

Unplottable Summary

Total: **18** Unplottable sites

| DB | Company Name/Site Name | Address | City | Postal |
|------|--|--|----------------------|---------|
| CA | G S W WATER PRODUCTS CO. | | FERGUS TOWN ON | |
| CA | G S W WATER PRODUCTS CO. | | FERGUS TOWN ON | |
| CA | The Corporation of the Township of Centre Wellington | W. Garafraxa, Fergus, Nichol, Elora, Public Works | Centre Wellington ON | |
| CA | The Corporation of the Township of Centre Wellington | W. Garafraxa, Fergus, Elora, Public Works | Centre Wellington ON | |
| CA | The Corporation of the Township of Centre Wellington | Hill Street West | Centre Wellington ON | |
| CA | The Corporation of the Township of Centre Wellington | Hill St W Fergus | Centre Wellington ON | |
| CA | | Maiden Lane | Centre Wellington ON | |
| CA | FERGUS TOWN | HILL ST./GARAFRAXA ST./BEATTY | FERGUS TOWN ON | |
| CA | FERGUS TOWN | GARAFRAXA ST. | FERGUS TOWN ON | |
| CA | | Maiden Lane | Centre Wellington ON | |
| CA | FERGUS TOWN | GARAFRAXA ST. | FERGUS TOWN ON | |
| DTNK | INTERCRETE CONTRACTING | GARAFRAXA ST W | FERGUS ON | |
| DTNK | INTERCRETE CONTRACTING | GARAFRAXA ST W | FERGUS ON | |
| ECA | The Corporation of the Township of Centre Wellington | Hill St W , Fergus , Centre Wellington Township, County of Wellington, | Centre Wellington ON | N0B 1S0 |
| ECA | The Corporation of the Township of Centre Wellington | Hill St W , Fergus , Centre Wellington Township, County of Wellington, | Centre Wellington ON | N0B 1S0 |
| ECA | The Corporation of the Township of Centre Wellington | Hill St W , Fergus , Centre Wellington Township, County of Wellington, | Centre Wellington ON | N0B 1S0 |
| ECA | The Corporation of the Township of Centre Wellington | Hill St W , Fergus , Centre Wellington Township, County of Wellington, | Centre Wellington ON | N0B 1S0 |
| PRT | INTERCRETE CONTRACTING | W GARAFRAXA | FERGUS ON | |

Unplottable Report

Site: G S W WATER PRODUCTS CO.
FERGUS TOWN ON

Database:
CA

Certificate #: 8-2120-85-000
Application Year: 85
Issue Date: 2/10/86
Approval Type: Industrial air
Status: Application Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: G S W WATER PRODUCTS CO.
FERGUS TOWN ON

Database:
CA

Certificate #: 8-2123-85-000
Application Year: 85
Issue Date: 2/12/86
Approval Type: Industrial air
Status: Application Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Corporation of the Township of Centre Wellington
W. Garafraxa, Fergus, Nichol, Elora, Public Works Centre Wellington ON

Database:
CA

Certificate #: 1305-5EPPF4
Application Year: 2002
Issue Date: 10/11/2002
Approval Type: Waste Management Systems
Status: Amended
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Corporation of the Township of Centre Wellington
W. Garafraxa, Fergus, Elora, Public Works Centre Wellington ON

Database:
CA

Certificate #: 1305-5EPPF4
Application Year: 2006

Issue Date: 4/27/2006
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *The Corporation of the Township of Centre Wellington
Hill Street West Centre Wellington ON*

Database:
[CA](#)

Certificate #: 3406-6RKS53
Application Year: 2006
Issue Date: 7/24/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *The Corporation of the Township of Centre Wellington
Hill St W Fergus Centre Wellington ON*

Database:
[CA](#)

Certificate #: 7150-8HKQVD
Application Year: 2011
Issue Date: 6/9/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Maiden Lane Centre Wellington ON*

Database:
[CA](#)

Certificate #: 0150-547TDE
Application Year: 01
Issue Date: 11/6/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the Township of Centre Wellington
Client Address: P.O. Box 10, 1 MacDonald Square
Client City: Centre Wellington
Client Postal Code: N0B 1S0
Project Description: Installation of Storm and Sanitary Sewers
Contaminants:
Emission Control:

Site: FERGUS TOWN
HILL ST./GARAFRAXA ST./BEATTY FERGUS TOWN ON

Database:
CA

Certificate #: 3-1533-94-
Application Year: 94
Issue Date: 12/9/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: FERGUS TOWN
GARAFRAXA ST. FERGUS TOWN ON

Database:
CA

Certificate #: 3-0205-87-
Application Year: 87
Issue Date: 3/13/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Maiden Lane Centre Wellington ON

Database:
CA

Certificate #: 0949-547TG5
Application Year: 01
Issue Date: 11/6/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the Township of Centre Wellington
Client Address: P.O. Box 10, 1 MacDonald Square
Client City: Centre Wellington
Client Postal Code: N0B 1S0
Project Description: Installation of a Watermain
Contaminants:
Emission Control:

Site: FERGUS TOWN
GARAFRAXA ST. FERGUS TOWN ON

Database:
CA

Certificate #: 3-0261-87-
Application Year: 87
Issue Date: 3/13/1987
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: INTERCRETE CONTRACTING
GARAFRAXA ST W FERGUS ON

Database:
DTNK

Delisted Expired Fuel Safety
Facilities

| | | | |
|-------------------------------------|-----------------------------------|-----------------------------|--|
| Instance No: | 9890278 | Expired Date: | |
| Status: | EXPIRED | Max Hazard Rank: | |
| Instance ID: | 395649 | Facility Location: | |
| Instance Type: | FS Facility | Facility Type: | |
| Instance Creation Dt: | | Fuel Type 2: | |
| Instance Install Dt: | | Fuel Type 3: | |
| Item Description: | | Panam Related: | |
| Manufacturer: | | Panam Venue Nm: | |
| Model: | | External Identifier: | |
| Serial No: | | Item: | |
| ULC Standard: | | Piping Steel: | |
| Quantity: | | Piping Galvanized: | |
| Unit of Measure: | | Tank Single Wall St: | |
| Overfill Prot Type: | | Piping Underground: | |
| Creation Date: | | Tank Underground: | |
| Next Periodic Str DT: | | Source: | |
| TSSA Base Sched Cycle 2: | | | |
| TSSAMax Hazard Rank 1: | | | |
| TSSA Risk Based Periodic Yn: | | | |
| TSSA Volume of Directives: | | | |
| TSSA Periodic Exempt: | | | |
| TSSA Statutory Interval: | | | |
| TSSA Recd Insp Interva: | | | |
| TSSA Recd Tolerance: | | | |
| TSSA Program Area: | | | |
| TSSA Program Area 2: | | | |
| Description: | FS Propane Cylr Handling Facility | | |
| Original Source: | EXP | | |
| Record Date: | Up to Mar 2012 | | |

Site: INTERCRETE CONTRACTING
GARAFRAXA ST W FERGUS ON

Database:
DTNK

Delisted Expired Fuel Safety
Facilities

| | | | |
|-------------------------------------|-----------------|-----------------------------|--|
| Instance No: | 11103218 | Expired Date: | |
| Status: | EXPIRED | Max Hazard Rank: | |
| Instance ID: | 68587 | Facility Location: | |
| Instance Type: | FS Propane Tank | Facility Type: | |
| Instance Creation Dt: | | Fuel Type 2: | |
| Instance Install Dt: | | Fuel Type 3: | |
| Item Description: | | Panam Related: | |
| Manufacturer: | | Panam Venue Nm: | |
| Model: | | External Identifier: | |
| Serial No: | | Item: | |
| ULC Standard: | | Piping Steel: | |
| Quantity: | | Piping Galvanized: | |
| Unit of Measure: | | Tank Single Wall St: | |
| Overfill Prot Type: | | Piping Underground: | |
| Creation Date: | | Tank Underground: | |
| Next Periodic Str DT: | | Source: | |
| TSSA Base Sched Cycle 2: | | | |
| TSSAMax Hazard Rank 1: | | | |
| TSSA Risk Based Periodic Yn: | | | |

TSSA Volume of Directives:

TSSA Periodic Exempt:

TSSA Statutory Interval:

TSSA Recd Insp Interva:

TSSA Recd Tolerance:

TSSA Program Area:

TSSA Program Area 2:

Description: FS Propane Tank

Original Source: EXP

Record Date: Up to Mar 2012

Site: *The Corporation of the Township of Centre Wellington
Hill St W , Fergus , Centre Wellington Township, County of Wellington, Centre Wellington ON N0B 1S0*

Database:
[ECA](#)

Approval No: 7483-6RKPMQ
Approval Date: 2006-07-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Corporation of the Township of Centre Wellington
Address: Hill St W , Fergus , Centre Wellington Township, County of Wellington,
Full Address:
Full PDF Link:

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

Site: *The Corporation of the Township of Centre Wellington
Hill St W , Fergus , Centre Wellington Township, County of Wellington, Centre Wellington ON N0B 1S0*

Database:
[ECA](#)

Approval No: 9152-8HMNF9
Approval Date: 2011-06-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Corporation of the Township of Centre Wellington
Address: Hill St W , Fergus , Centre Wellington Township, County of Wellington,
Full Address:
Full PDF Link:

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

Site: *The Corporation of the Township of Centre Wellington
Hill St W , Fergus , Centre Wellington Township, County of Wellington, Centre Wellington ON N0B 1S0*

Database:
[ECA](#)

Approval No: 7150-8HKQVD
Approval Date: 2011-06-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the Township of Centre Wellington
Address: Hill St W , Fergus , Centre Wellington Township, County of Wellington,
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9422-8EYLY3-14.pdf>

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

Site: *The Corporation of the Township of Centre Wellington
Hill St W , Fergus , Centre Wellington Township, County of Wellington, Centre Wellington ON N0B 1S0*

Database:
[ECA](#)

Approval No: 3406-6RK553
Approval Date: 2006-07-24
MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the Township of Centre Wellington
Address: Hill St W , Fergus , Centre Wellington Township, County of Wellington,
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6015-6P6JGT-14.pdf>

Site: INTERCRETE CONTRACTING
W GARAFRAXA FERGUS ON

Database:
PRT

Location ID: 19463
Type: retail
Expiry Date: 1993-01-31
Capacity (L): 500
Licence #: 0076345735

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

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

Drill Hole Database:

Provincial [DRL](#)

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial [DTNK](#)

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

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011- Aug 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- Sep 30, 2021

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011- Aug 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-Jun 30, 2021

Environmental Issues Inventory System:

Federal [EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

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

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

List of Expired Fuels Safety Facilities:

Provincial **EXP**

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

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

Government Publication Date: 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-Aug 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-Apr 30, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

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

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES):

Federal [NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial [NCPL](#)

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

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

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

Government Publication Date: 2008-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.

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-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-Sep 30, 2021

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011- Aug 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 - Sep 30, 2021

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2018

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2021

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-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.

Government Publication Date: 1988-Aug 2020

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011- Aug 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: Apr 30, 2021

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX H
MECP FOI Search Results

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) *

1900/01/01

To (yyyy/mm/dd) *

2021/10/01

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

Other Specific Document(s)

Type of Approval/Registration *

- Drinking Water Licenses
- Pesticide Licenses

- Permits to Take Water
- Noise Vibrations Approvals/Registrations
 - No Supporting Documents All Supporting Documents Some Supporting Documents
- Air Emissions Approvals/Registrations
 - No Supporting Documents All Supporting Documents Some Supporting Documents
- 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 * | First Name * | Middle Initial |
| Thompson | Grace | |

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

Pinchin Ltd.

Project/Reference Number (if applicable)

299

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

Alternate Contact

Last Name * First Name *

Telephone Number * ext. Email Address *

Section 3 – Current Property Address Information

Is the property a:

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

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

599 Hill Street West
Fergus

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) *

To (yyyy/mm/dd) *

1900/01/01

2021/10/01

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

Other Specific Document(s)

Type of Approval/Registration *

- Drinking Water Licenses
- Pesticide Licenses

- Permits to Take Water
- Noise Vibrations Approvals/Registrations
 - No Supporting Documents All Supporting Documents Some Supporting Documents
- Air Emissions Approvals/Registrations
 - No Supporting Documents All Supporting Documents Some Supporting Documents
- 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 * | First Name * | Middle Initial |
| Thompson | Grace | |

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

Pinchin Ltd.

Project/Reference Number (if applicable)

299766 Waterloo

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

Alternate Contact

Last Name * First Name *

Telephone Number * ext. Email Address *

Section 3 – Current Property Address Information

Is the property a:

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

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

465 Garafraxa Street West
Fergus

APPENDIX I
TSSA Search Results



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.231.4903
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information

Issued under the Access and Privacy Code

Clear Form

Print Form

A. REQUESTOR INFORMATION:

Your File/Project/Reference No: 299766

| | | | | | |
|--|--------------------------|---------------------------------------|--|---------------------|-------------|
| Requestor Name : Michelle Attard | | Organization Pinchin Ltd. | | For Office Use Only | |
| Suite/Unit No: 9 | Street No: 225 | Street Name: Labrador Drive | | | Date |
| City: Waterloo | Province: ON | Postal Code: N2K 4M8 | | | Account No. |
| Primary Phone: 519.746.4210 ext.3767 | | Secondary Phone: | | | SR No. |
| Email: mattard@pinchin.com | | Fax: 519.746.7108 | | | P.I No. |
| | | | | | |

B. PROGRAM (check ALL that apply)

Boilers & Pressure Vessels
 Elevating & Amusement Devices
 Fuels
 Upholstered and Stuffed Articles

C. DETAILS OF REQUEST (please list in detail the information you require)

Incidents/Occurrence Reports, Fuel Tanks & Environmental Reports

D. PLEASE ANSWER ALL THAT APPLY:

Address of Subject Location (one address per form)
465 Garafraxa Street West, Fergus, ON

Device/equipment Type: _____ Owner: _____

Installation Number: _____ Serial #: _____

CRN: _____ OIN: _____

Victim Name (if applicable): _____

Certificate Holder Name (if applicable): _____ Certificate Holder Date of Birth: _____ (DD-MM-YYYY)

Date /period requested:

From (date): _____ to (date) _____
 Most recent record



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.231.4903
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information

Issued under the Access and Privacy Code

Clear Form

Print Form

A. REQUESTOR INFORMATION:

Your File/Project/Reference No: 299766

| | | | | | |
|--|--------------------------|---------------------------------------|--|---------------------|-------------|
| Requestor Name : Michelle Attard | | Organization Pinchin Ltd. | | For Office Use Only | |
| Suite/Unit No: 9 | Street No: 225 | Street Name: Labrador Drive | | | Date |
| City: Waterloo | Province: ON | Postal Code: N2K 4M8 | | | Account No. |
| Primary Phone: 519.746.4210 ext.3767 | | Secondary Phone: | | | SR No. |
| Email: mattard@pinchin.com | | Fax: 519.746.7108 | | | P.I No. |
| | | | | | |

B. PROGRAM (check ALL that apply)

Boilers & Pressure Vessels
 Elevating & Amusement Devices
 Fuels
 Upholstered and Stuffed Articles

C. DETAILS OF REQUEST (please list in detail the information you require)

Incidents/Occurrence Reports, Fuel Tanks & Environmental Reports

D. PLEASE ANSWER ALL THAT APPLY:

Address of Subject Location (one address per form)
599 Hill St W, Fergus, ON

Device/equipment Type: _____ Owner: _____

Installation Number: _____ Serial #: _____

CRN: _____ OIN: _____

Victim Name (if applicable): _____

Certificate Holder Name (if applicable): _____ Certificate Holder Date of Birth: _____ (DD-MM-YYYY)

Date /period requested:

From (date): _____ to (date) _____
 Most recent record



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.231.4903
 Email: publicinformation@tssa.org
www.tssa.org

Application for Release of Public Information

Issued under the Access and Privacy Code

[Clear Form](#)

[Print Form](#)

A. REQUESTOR INFORMATION:

Your File/Project/Reference No: 299766

| | | | | | |
|--|--------------------------|---------------------------------------|--|---------------------|-------------|
| Requestor Name : Michelle Attard | | Organization Pinchin Ltd. | | For Office Use Only | |
| Suite/Unit No: 9 | Street No: 225 | Street Name: Labrador Drive | | | Date |
| City: Waterloo | Province: ON | Postal Code: N2K 4M8 | | | Account No. |
| Primary Phone: 519.746.4210 ext.3767 | | Secondary Phone: | | | SR No. |
| Email: mattard@pinchin.com | | Fax: 519.746.7108 | | | P.I No. |
| | | | | | |

B. PROGRAM (check ALL that apply)

Boilers & Pressure Vessels
 Elevating & Amusement Devices
 Fuels
 Upholstered and Stuffed Articles

C. DETAILS OF REQUEST (please list in detail the information you require)

Incidents/Occurrence Reports, Fuel Tanks & Environmental Reports

D. PLEASE ANSWER ALL THAT APPLY:

Address of Subject Location (one address per form)
645 Garafraxa St West, Fergus, ON

Device/equipment Type: _____ Owner: _____

Installation Number: _____ Serial #: _____

CRN: _____ OIN: _____

Victim Name (if applicable): _____

Certificate Holder Name (if applicable): _____ Certificate Holder Date of Birth: _____ (DD-MM-YYYY)

Date /period requested:

From (date): _____ to (date) _____
 Most recent record

APPENDIX J
Aerial Photographs



Aerial Photograph – 1930



Aerial Photograph – 1954



Aerial Photograph – 1964



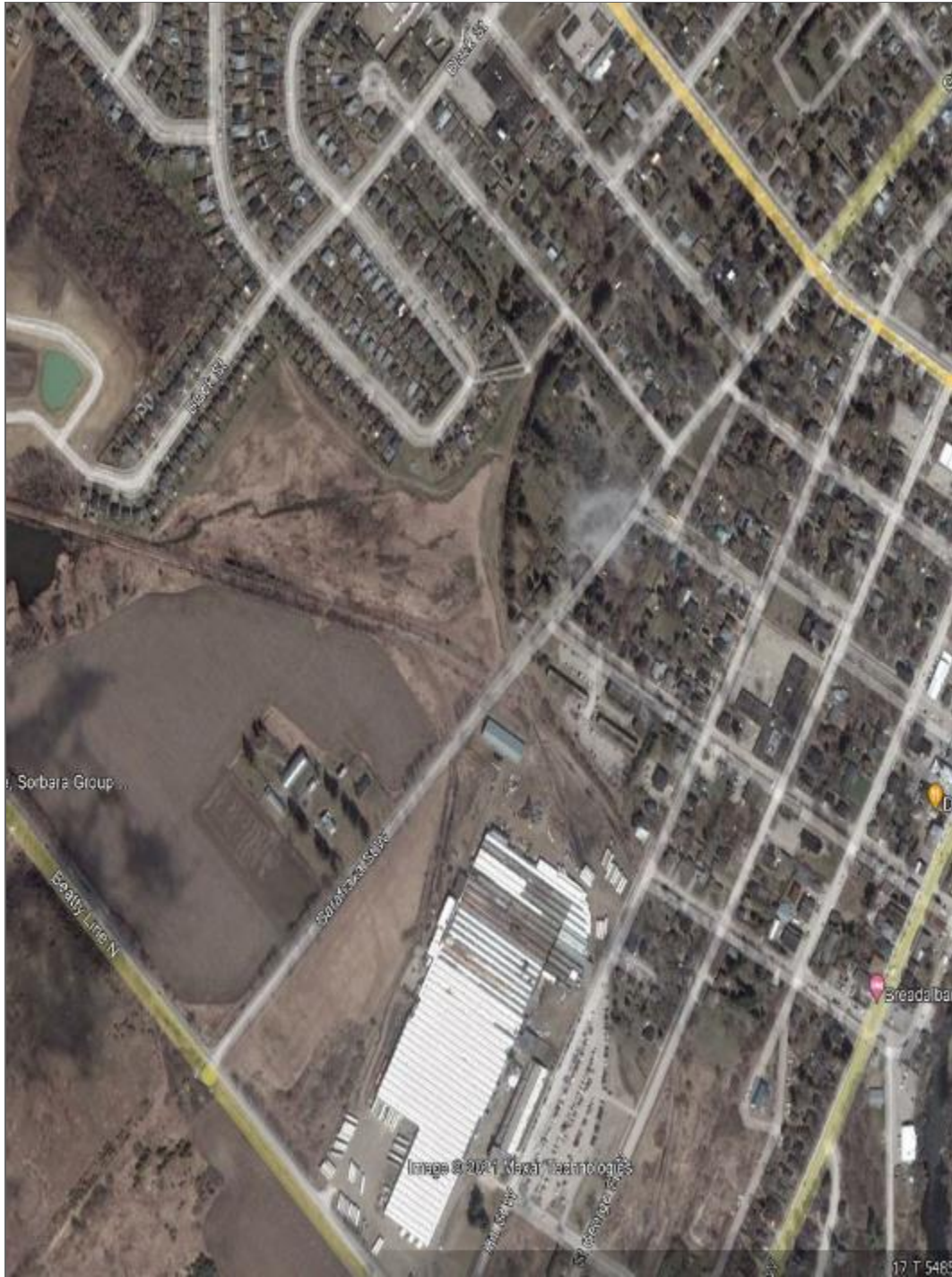
Aerial Photograph – 1976



Aerial Photograph – 1980



Aerial Photograph – 1990



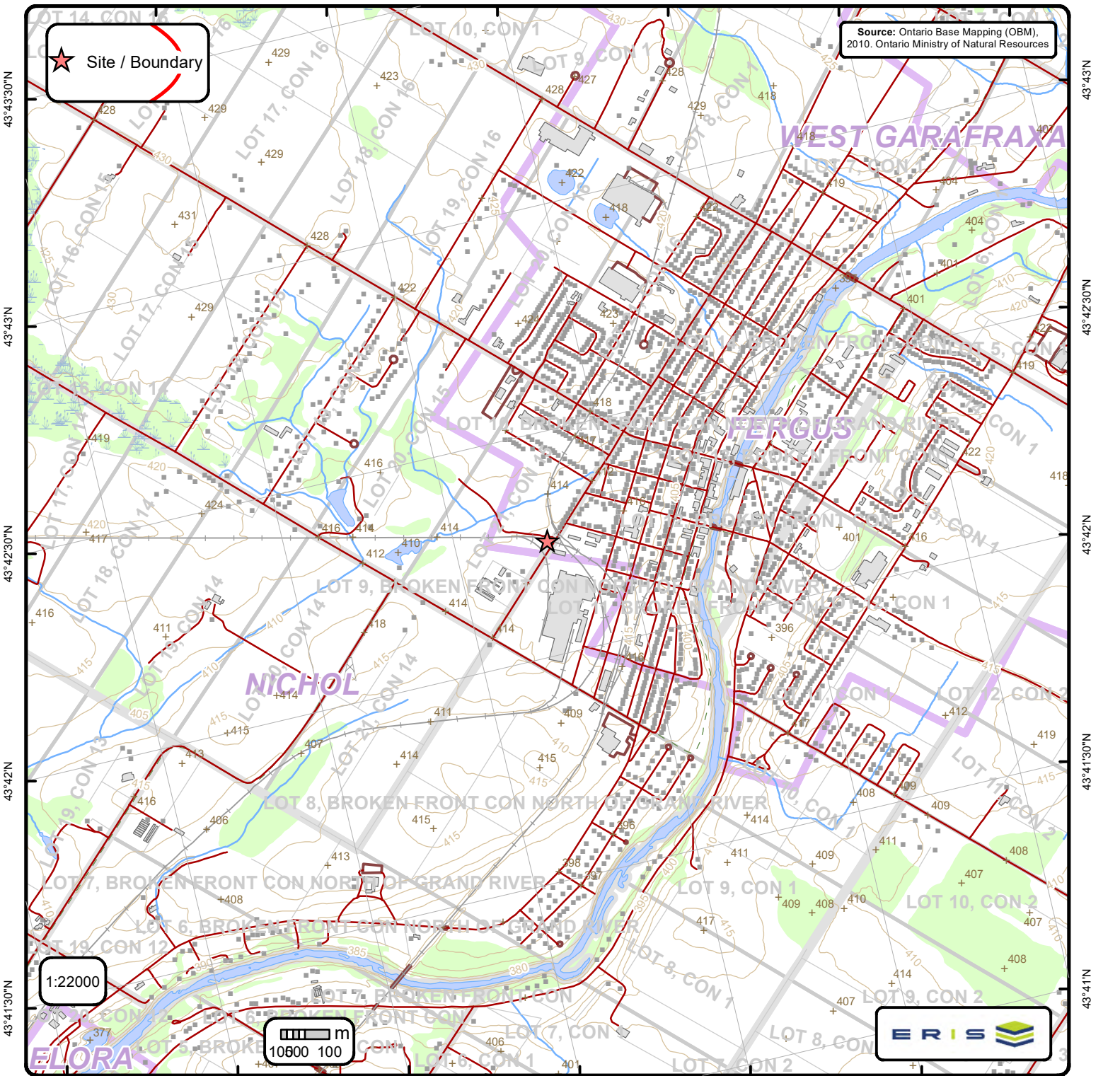
Aerial Photograph – 2006



Aerial Photograph – 2019

APPENDIX K
Maps

80°24'W 80°23'30"W 80°23'W 80°22'30"W 80°22'W 80°21'30"W



Ontario Base Mapping (OBM) Data

Order No. 2111600359

| | | | |
|-----------------------|----------------------------|------------------|--------------------------|
| + Spot Height (metre) | — Transportation Structure | — Contour Line | ■ Wooded Area |
| ■ Building Point | ● Utility Line | ▭ Pit or Quarry | ▭ Conservation Authority |
| ⚡ Towers | — Water Structure | ■ Waterbody | ▭ Conservation Area |
| ● Utility Site Point | — Drainage Line Feature | ■ Wetlands | ▭ Municipal Park |
| — Misc. Line | — River or Stream | ▭ Concession | ▭ Provincial Park |
| — Railroads | ▭ Airports | ▭ Lots | ▭ National Park |
| — Roads | ■ Tanks | ▭ Municipality | ▭ Nature Reserve |
| - - - Trail | ■ Building to Scale | ▭ Land Ownership | |



Property Information

| | |
|-------------------|--|
| Order Number: | 21111600359p |
| Date Completed: | November 17, 2021 |
| Project Number: | 299766 |
| Project Property: | Phase I ESA 465 Garafraxa Street West Fergus ON |
| Coordinates: | |
| Latitude: | 43.7042921 |
| Longitude: | -80.387068 |
| UTM Northing: | 4839212.58398 Metres |
| UTM Easting: | 549384.731337 Metres |
| UTM Zone: | UTM Zone 17T |
| Elevation: | 415.94 m |
| Slope Direction: | N |

| | |
|--|----|
| Property Information..... | 1 |
| Topographic Information..... | 2 |
| Hydrologic Information..... | 4 |
| Geologic Information..... | 5 |
| Soil Information..... | 10 |
| Wells and Additional Sources..... | 29 |
| Report Summary..... | 30 |
| Detail Report..... | 31 |
| Radon Information..... | 58 |
| Area of Natural and Scientific Interest..... | 59 |
| Appendix..... | 61 |
| Liability Notice..... | 63 |

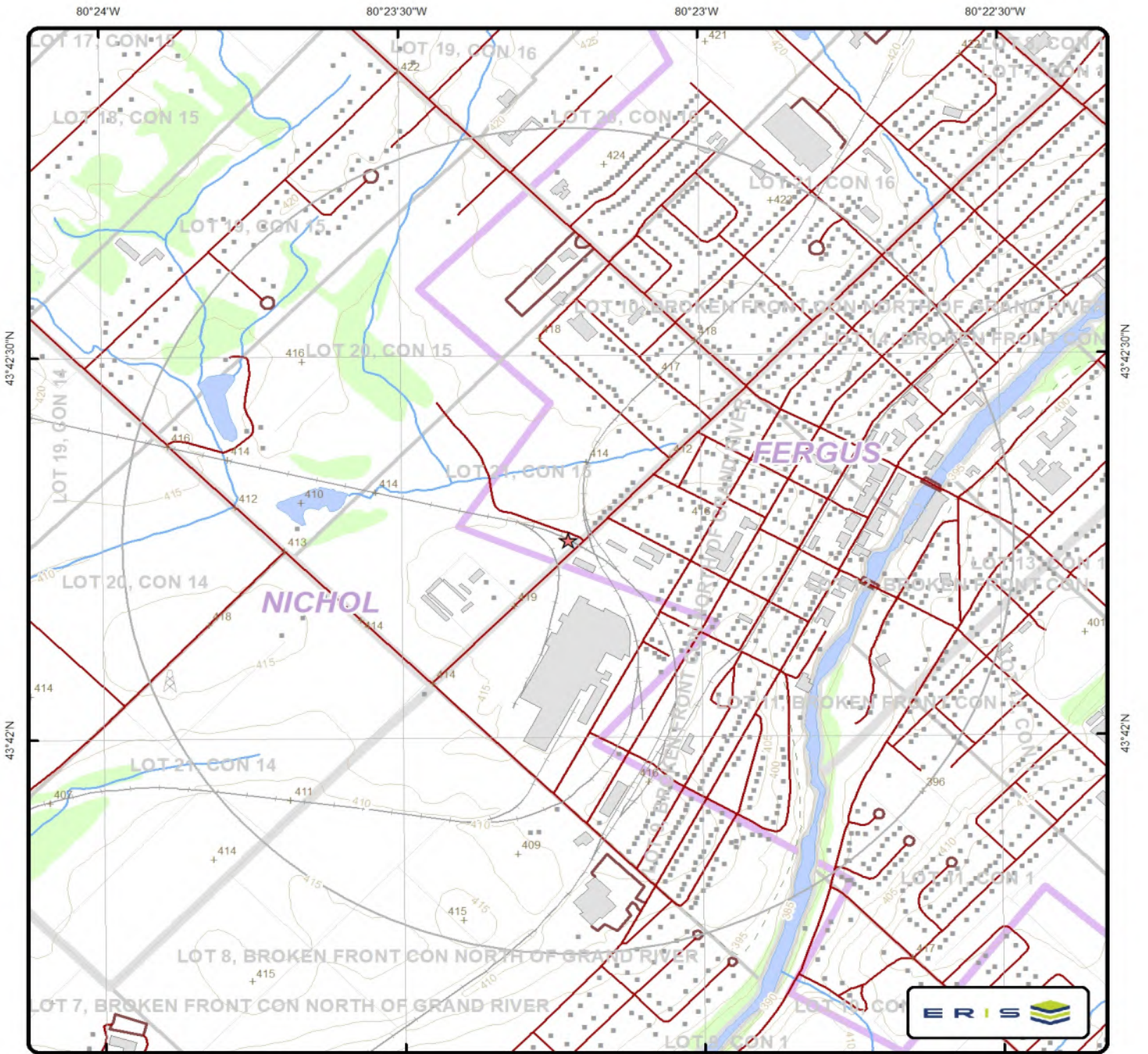
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography as well as hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Topographic Map

Address: 465 Garafraxa Street West, Fergus, ON



| | | | |
|-----------------------|----------------------------|------------------|--------------------------|
| + Spot Height (metre) | — Transportation Structure | — Contour Line | ■ Wooded Area |
| • Building Point | ••• Utility Line | □ Pit or Quarry | ■ Conservation Authority |
| ⚡ Towers | — Water Structure | ■ Waterbody | ■ Conservation Area |
| • Utility Site Point | — Drainage Line Feature | ■ Wetlands | ■ Municipal Park |
| — Misc. Line | — River or Stream | ■ Concession | ■ Provincial Park |
| — Railroads | □ Airports | ■ Lots | ■ National Park |
| — Roads | ■ Tanks | ■ Municipality | ■ Nature Reserve |
| - - - Trail | ■ Building to Scale | ■ Land Ownership | |

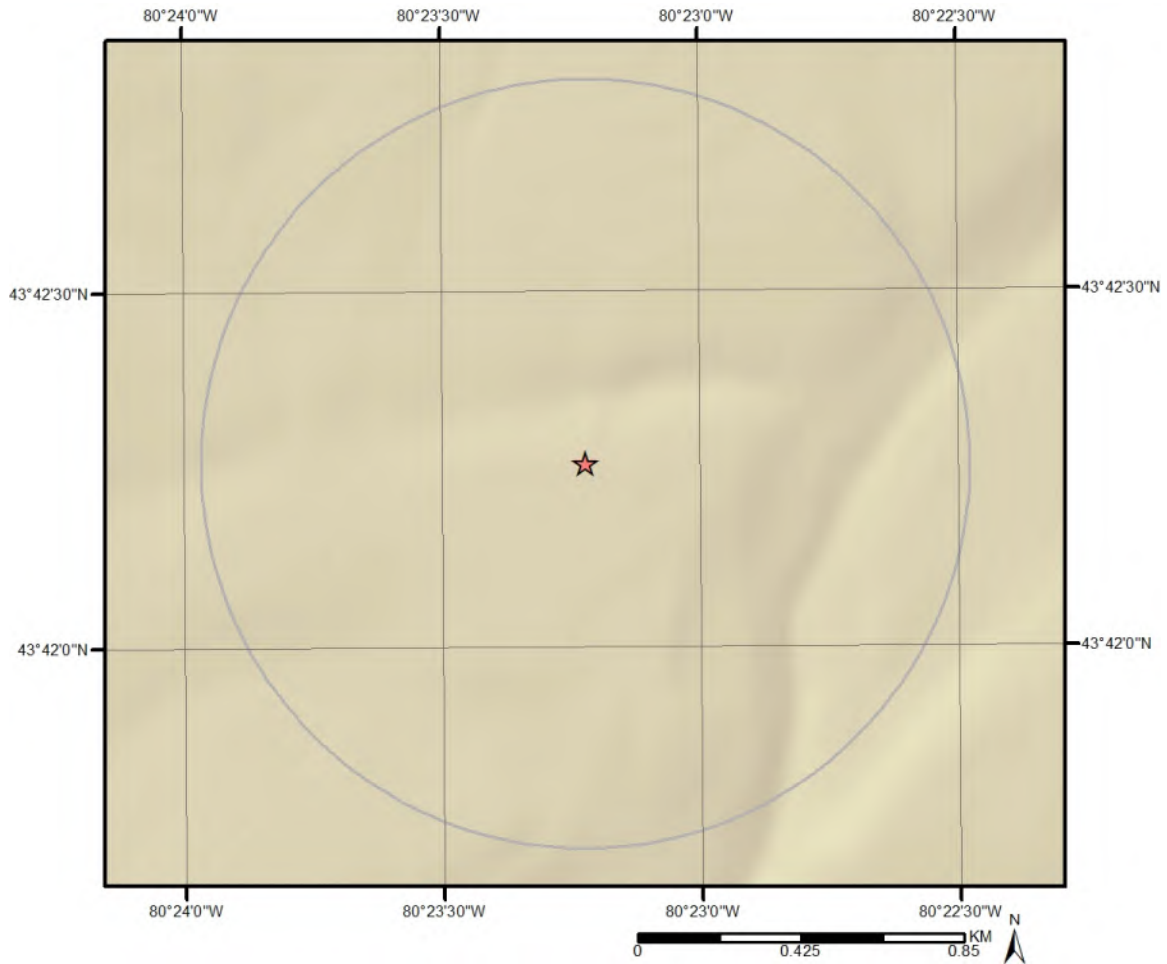
Data source: Ontario Base Mapping (OBM) by Ontario Ministry of Natural Resources.

Topographic Information

The previous topographic map(s) show general topographic information in the surrounding area of the project property, using Toporama data or a provincial source when available. Below are shaded relief map(s), derived from Digital Elevation data to depict terrain in further detail.

Topographic information at project property:

Elevation: 415.94 m
Slope Direction: N



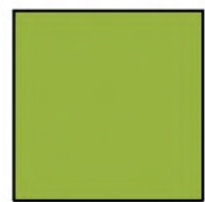
Hydrologic Information



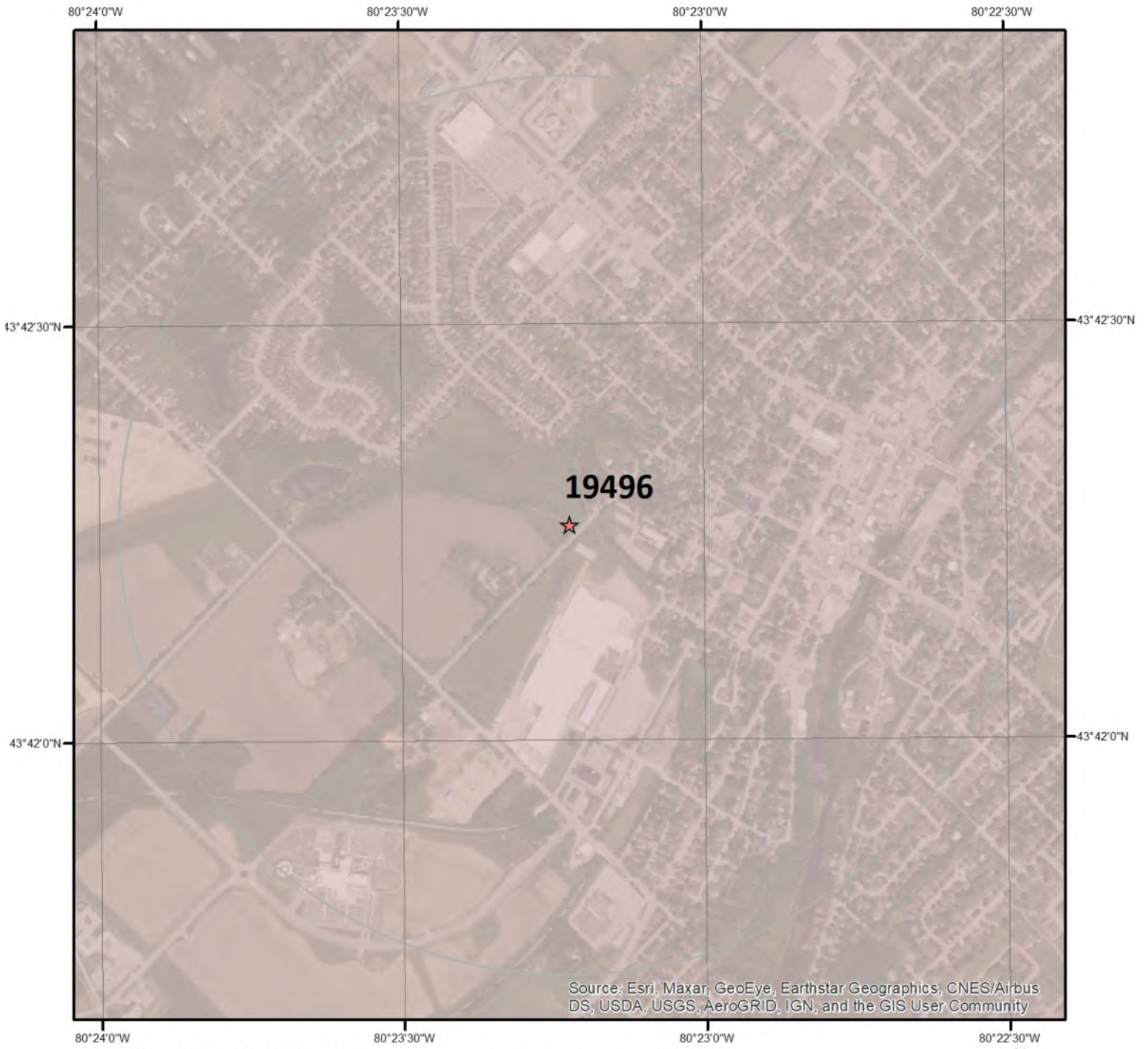
Wetland

This map shows wetland existence. Data coverage is shown to the right. Gray indicates no data available in the area.

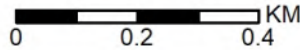
-  Marsh
-  Swamp



Geologic Information



Bedrock Geology



This map shows bedrock geologic units in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.



Geologic Information

Detailed bedrock geology information about each unit within the search radius is provided below.

Unit ID 19496

Unit Name:

Rock Type:

Sandstone, shale, dolostone, siltstone

Strata:

Guelph Formation

Super Eon:

Eon:

PHANEROZOIC (Present to 542.0 Ma)

Era:

PALEOZOIC (251.0 Ma to 542.0 Ma)

Period:

SILURIAN (416.0 Ma to 443.7 Ma)

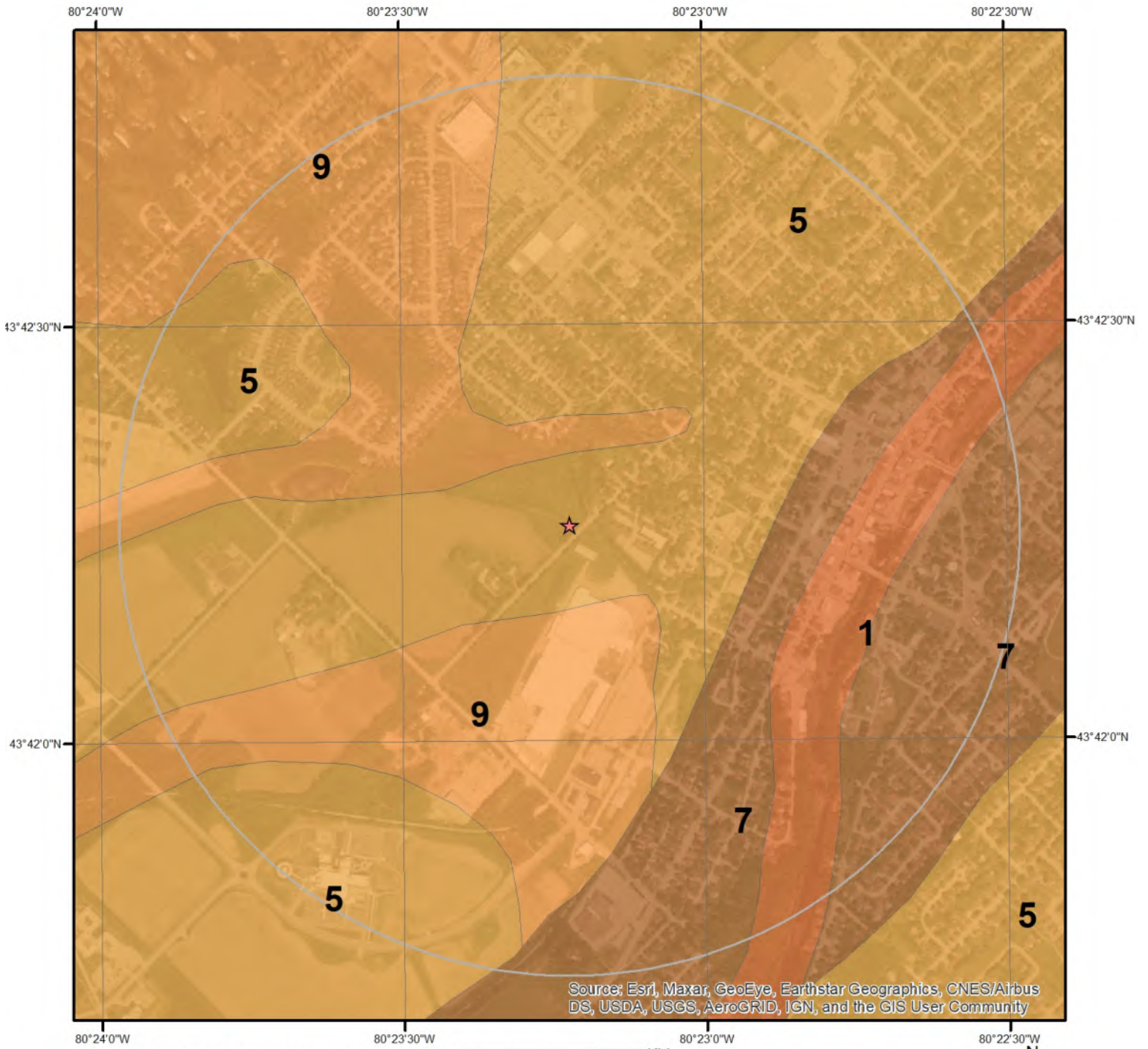
Epoch:

UPPER SILURIAN TO LOWER DEVONIAN

Province:

Tectonic Zone:

Geologic Information



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

Surficial Geology

This map shows surficial geologic labels in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.

ERIS

Geologic Information

Detailed surficial geology information about each unit within the search radius is provided below.

Unit ID 9

| | |
|---------------------------|-------------------------------|
| Geological Deposit: | Lacustrine, kame, and outwash |
| Deposit Age: | Wisconsinan |
| Primary Material: | sand |
| Secondary Material: | |
| Primary General: | glaciofluvial |
| Primary General Modifier: | proglacial outwash |
| Veneer: | |
| Episode: | Wisconsin |
| Sub Episode: | Michigan |
| Strata Modifier: | Surface |
| Provenance: | |
| Carbon Content: | |
| Formation: | |
| Permeability: | High |
| Material Description: | Sand |

Unit ID 1

| | |
|---------------------------|-------------------------------------|
| Geological Deposit: | Guelph Formation; Amabel Formation |
| Deposit Age: | Silurian |
| Primary Material: | Paleozoic Bedrock |
| Secondary Material: | |
| Primary General: | |
| Primary General Modifier: | |
| Veneer: | clay, silt, sand, gravel, diamicton |
| Episode: | |
| Sub Episode: | |
| Strata Modifier: | Surface |
| Provenance: | |
| Carbon Content: | |
| Formation: | |
| Permeability: | Variable |
| Material Description: | Dolomite |

Unit ID 5

| | |
|---------------------|----------------|
| Geological Deposit: | Wentworth Till |
| Deposit Age: | Wisconsinan |
| Primary Material: | diamicton |
| Secondary Material: | |
| Primary General: | glacial |

Geologic Information

Primary General Modifier:
Veneer:
Episode: Wisconsin
Sub Episode: Michigan
Strata Modifier: Surface
Provenance: Erie
Carbon Content: high
Formation: Port Stanley Till
Permeability: Low-Medium
Material Description: Buff or pink sandy till

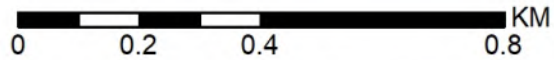
Unit ID 7

Geological Deposit: Outwash
Deposit Age: Wisconsinan
Primary Material: gravel
Secondary Material: sand
Primary General: glaciofluvial
Primary General Modifier: proglacial outwash
Veneer:
Episode: Wisconsin
Sub Episode: Michigan
Strata Modifier: Surface
Provenance:
Carbon Content:
Formation:
Permeability: High
Material Description: Gravel

Soil Information



Soil Map



This map shows soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

Detailed soil information about each unit within the search radius is provided below.

Ontario Detailed Soil Survey (DSS3)

Polygon ID: OND002094344

Component

| | | | |
|---------------------------------|----------------|----------------------------|---------------------------|
| Component ID: | OND00209434401 | Components(%): | 100 |
| Soil Name ID: | ONZST~~~~~N | Slope Steepness(%): | Unknown or Not applicable |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

Field Crops Capability: Very severe limitations preclude annual cultivation; improvements feasible.
First CLI Limitation Subclass: Subject to occasional flooding (Inundation) from adjacent streams or waterbodies
Second CLI Limitation Subclass:
Drainage: Not Applicable
Soil Texture of A Horizon:
Hydrological Soil Groups:

Soil Name

Soil Name: STREAM COURSE
Kind of Surface Material: Unclassified
Soil Drainage Class: Not applicable
Water Table Characteristics: Unspecified period
Layer that Restricts Root Growth: No root restricting layer
Type of Root Restricting Layer: n/a
Parent Material 1, 2, 3: Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Not Applicable; Not Applicable; Not Applicable

Soil Layer

| | | | |
|------------------|-----|---------------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 0 |
| Horizon: | ABh | Total Sand(%): | 10 |

Soil Information

| | | | |
|---|-------|--------------------|-----|
| Depth(cm): | 0-100 | Total Silt(%): | 46 |
| pH in Calc Chloride: | 6.5 | Total Clay(%): | 44 |
| Saturated Hydraulic Conductivity(cm/h): | 0.228 | Organic Carbon(%): | 2.3 |
| Electrical Conductivity (dS/m): | 0 | | |

Polygon ID: OND002095150

Component

| | | | |
|--------------------------|----------------|---------------------|-----|
| Component ID: | OND00209515001 | Components(%): | 100 |
| Soil Name ID: | ONLW~~~~~A | Slope Steepness(%): | 3.5 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

| | |
|---------------------------------|---|
| Field Crops Capability: | No significant limitations in use for Crops |
| First CLI Limitation Subclass: | |
| Second CLI Limitation Subclass: | |
| Drainage: | Imperfectly |
| Soil Texture of A Horizon: | medium - moderately fine loam |
| Hydrological Soil Groups: | Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. |

Soil Name

| | |
|--|---|
| Soil Name: | LISTOWEL |
| Kind of Surface Material: | Mineral |
| Soil Drainage Class: | Imperfectly drained |
| Water Table Characteristics: | Unspecified period |
| Layer that Restricts Root Growth: | No root restricting layer |
| Type of Root Restricting Layer: | n/a |
| Parent Material 1, 2, 3: | Medium; Not Applicable; Not Applicable |
| Mode of Deposition 1,2,3: | Till (Morainal); Not Applicable; Not Applicable |
| Parent Material Chemical Property 1,2,3: | Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable |

Soil Layer

Soil Information

| | | | |
|---|--------|--------------------|-----|
| Layer No: | 1 | Very Fine Sand(%): | 11 |
| Horizon: | Ap | Total Sand(%): | 25 |
| Depth(cm): | 0-27 | Total Silt(%): | 56 |
| pH in Calc Chloride: | 7.1 | Total Clay(%): | 19 |
| Saturated Hydraulic Conductivity(cm/h): | 0.596 | Organic Carbon(%): | 3 |
| Electrical Conductivity (dS/m): | 0 | | |
| | | | |
| Layer No: | 2 | Very Fine Sand(%): | 13 |
| Horizon: | Bmgj | Total Sand(%): | 29 |
| Depth(cm): | 27-42 | Total Silt(%): | 55 |
| pH in Calc Chloride: | 7.3 | Total Clay(%): | 16 |
| Saturated Hydraulic Conductivity(cm/h): | 0.528 | Organic Carbon(%): | 0.7 |
| Electrical Conductivity (dS/m): | 0 | | |
| | | | |
| Layer No: | 3 | Very Fine Sand(%): | 18 |
| Horizon: | Ckgj | Total Sand(%): | 43 |
| Depth(cm): | 42-70 | Total Silt(%): | 48 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 9 |
| Saturated Hydraulic Conductivity(cm/h): | 1.092 | Organic Carbon(%): | 0.5 |
| Electrical Conductivity (dS/m): | 0 | | |
| | | | |
| Layer No: | 4 | Very Fine Sand(%): | 17 |
| Horizon: | Ckgj | Total Sand(%): | 52 |
| Depth(cm): | 70-100 | Total Silt(%): | 43 |
| pH in Calc Chloride: | 7.7 | Total Clay(%): | 5 |
| Saturated Hydraulic Conductivity(cm/h): | 2.571 | Organic Carbon(%): | 0.2 |
| Electrical Conductivity (dS/m): | 0 | | |

Polygon ID: OND002095148

Component

| | | | |
|--------------------------|----------------|---------------------|-----|
| Component ID: | OND00209514801 | Components(%): | 100 |
| Soil Name ID: | ONPLL~~~~~A | Slope Steepness(%): | 1.2 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Slightly stony | | |

Component Rating

Field Crops Capability: moderate limitations on use for crops

Soil Information

First CLI Limitation

Subclass:

Second CLI Limitation

Subclass:

Drainage: Poorly

Soil Texture of A medium - moderately fine loam

Horizon:

Hydrological Soil Groups: Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.

Soil Name

Soil Name: PARKHILL

Kind of Surface Material: Mineral

Soil Drainage Class: Poorly drained

Water Table Unspecified period

Charateristics:

Layer that Restricts Root Growth: No root restricting layer

Type of Root Restricting Layer: n/a

Parent Material 1, 2, 3: Medium; Not Applicable; Not Applicable

Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|---|--------|--------------------|-----|
| Layer No: | 1 | Very Fine Sand(%): | 8 |
| Horizon: | Ap | Total Sand(%): | 18 |
| Depth(cm): | 0-23 | Total Silt(%): | 58 |
| pH in Calc Chloride: | 6.9 | Total Clay(%): | 24 |
| Saturated Hydraulic Conductivity(cm/h): | 0.583 | Organic Carbon(%): | 4.6 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 2 | Very Fine Sand(%): | 9 |
| Horizon: | Bg | Total Sand(%): | 21 |
| Depth(cm): | 23-60 | Total Silt(%): | 58 |
| pH in Calc Chloride: | 6.9 | Total Clay(%): | 21 |
| Saturated Hydraulic Conductivity(cm/h): | 0.272 | Organic Carbon(%): | 1 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 3 | Very Fine Sand(%): | 10 |
| Horizon: | Ckg | Total Sand(%): | 23 |
| Depth(cm): | 60-100 | Total Silt(%): | 56 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 21 |
| Saturated Hydraulic Conductivity(cm/h): | 0.198 | Organic Carbon(%): | 0.4 |

Soil Information

Conductivity(cm/h):

Electrical Conductivity (dS/m): 0

Polygon ID: OND002095155

Component

| | | | |
|--------------------------|----------------|---------------------|----|
| Component ID: | OND00209515501 | Components(%): | 80 |
| Soil Name ID: | ONHRR~~~~~A | Slope Steepness(%): | 7 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

Field Crops Capability: No significant limitations in use for Crops

First CLI Limitation Subclass:

Second CLI Limitation Subclass:

Drainage: Well

Soil Texture of A Horizon: medium - moderately fine loam

Hydrological Soil Groups: Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Name

Soil Name: HARRISTON

Kind of Surface Material: Mineral

Soil Drainage Class: Well drained

Water Table: Unspecified period

Charateristics:

Layer that Restricts Root Growth: No root restricting layer

Type of Root Restricting Layer: n/a

Parent Material 1, 2, 3: Medium; Not Applicable; Not Applicable

Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|-----------|----|--------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 38 |

Soil Information

| | | | |
|---|--------|--------------------|----|
| Depth(cm): | 0-27 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.2 | Total Clay(%): | 13 |
| Saturated Hydraulic Conductivity(cm/h): | 0.811 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 2 | Very Fine Sand(%): | 18 |
| Horizon: | Bt | Total Sand(%): | 46 |
| Depth(cm): | 27-38 | Total Silt(%): | 36 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 18 |
| Saturated Hydraulic Conductivity(cm/h): | 0.671 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 3 | Very Fine Sand(%): | 15 |
| Horizon: | Ck | Total Sand(%): | 48 |
| Depth(cm): | 38-100 | Total Silt(%): | 44 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 8 |
| Saturated Hydraulic Conductivity(cm/h): | 1.473 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

Component

| | | | |
|--------------------------|----------------|---------------------|----|
| Component ID: | OND00209515502 | Components(%): | 20 |
| Soil Name ID: | ONHRR~~~~~A | Slope Steepness(%): | 7 |
| Component No: | 2 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

| | |
|---------------------------|---|
| Field Crops Capability: | moderately severe limitations on use for crops. |
| First CLI Limitation | Presence of adverse Topography |
| Subclass: | |
| Second CLI Limitation | |
| Subclass: | |
| Drainage: | Well |
| Soil Texture of A | medium - moderately fine loam |
| Horizon: | |
| Hydrological Soil Groups: | Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. |

Soil Name

Soil Name: HARRISTON

Soil Information

Kind of Surface Material: Mineral
Soil Drainage Class: Well drained
Water Table Unspecified period
Charateristics:
Layer that Restricts Root Growth: No root restricting layer
Type of Root Restricting Layer: n/a
Parent Material 1, 2, 3: Medium; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 38 |
| Depth(cm): | 0-27 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.2 | Total Clay(%): | 13 |
| Saturated Hydraulic Conductivity(cm/h): | 0.811 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 2 | Very Fine Sand(%): | 18 |
| Horizon: | Bt | Total Sand(%): | 46 |
| Depth(cm): | 27-38 | Total Silt(%): | 36 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 18 |
| Saturated Hydraulic Conductivity(cm/h): | 0.671 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|--------|---------------------------|----|
| Layer No: | 3 | Very Fine Sand(%): | 15 |
| Horizon: | Ck | Total Sand(%): | 48 |
| Depth(cm): | 38-100 | Total Silt(%): | 44 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 8 |
| Saturated Hydraulic Conductivity(cm/h): | 1.473 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

Polygon ID: OND002093619

Component

| | | | |
|----------------------|----------------|----------------------------|-----|
| Component ID: | OND00209361901 | Components(%): | 100 |
| Soil Name ID: | ONBUF~~~~~A | Slope Steepness(%): | 3.5 |
| Component No: | 1 | Slope Length(m): | -9 |

Soil Information

Surface Stoniness Class: Slightly stony

Component Rating

Field Crops Capability: moderate limitations on use for crops
First CLI Limitation Subclass: Low inherent soil Fertility
Second CLI Limitation Subclass: Low inherent Moisture holding capacity
Drainage: Well
Soil Texture of A Horizon: medium - moderately fine loam
Hydrological Soil Groups: Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel.

Soil Name

Soil Name: BURFORD
Kind of Surface Material: Mineral
Soil Drainage Class: Well drained
Water Table Characteristics: Unspecified period
Layer that Restricts Root Growth: No root restricting layer
Type of Root Restricting Layer: n/a
Parent Material 1, 2, 3: Very Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Glaciofluvial; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|--|-------|---------------------------|-----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 35 |
| Depth(cm): | 0-22 | Total Silt(%): | 53 |
| pH in Calc Chloride: | 5.5 | Total Clay(%): | 12 |
| Saturated Hydraulic Conductivity(cm/h): | 1.157 | Organic Carbon(%): | 2.1 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 2 | Very Fine Sand(%): | 13 |
| Horizon: | Bm | Total Sand(%): | 39 |
| Depth(cm): | 22-30 | Total Silt(%): | 47 |
| pH in Calc Chloride: | 5.7 | Total Clay(%): | 14 |
| Saturated Hydraulic Conductivity(cm/h): | 0.883 | Organic Carbon(%): | 0.2 |
| Electrical Conductivity | 0 | | |

Soil Information

(dS/m):

| | | | |
|---|-------|--------------------|-----|
| Layer No: | 3 | Very Fine Sand(%): | 8 |
| Horizon: | Bt | Total Sand(%): | 43 |
| Depth(cm): | 30-48 | Total Silt(%): | 25 |
| pH in Calc Chloride: | 6.3 | Total Clay(%): | 32 |
| Saturated Hydraulic Conductivity(cm/h): | 0.333 | Organic Carbon(%): | 0.8 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|---|-------|--------------------|-----|
| Layer No: | 4 | Very Fine Sand(%): | 12 |
| Horizon: | Bt | Total Sand(%): | 57 |
| Depth(cm): | 48-50 | Total Silt(%): | 22 |
| pH in Calc Chloride: | 7 | Total Clay(%): | 21 |
| Saturated Hydraulic Conductivity(cm/h): | 0.714 | Organic Carbon(%): | 0.5 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|---|--------|--------------------|-----|
| Layer No: | 5 | Very Fine Sand(%): | 16 |
| Horizon: | Ck | Total Sand(%): | 68 |
| Depth(cm): | 50-100 | Total Silt(%): | 23 |
| pH in Calc Chloride: | 7.3 | Total Clay(%): | 9 |
| Saturated Hydraulic Conductivity(cm/h): | 2.454 | Organic Carbon(%): | 0.2 |
| Electrical Conductivity (dS/m): | 0 | | |

Polygon ID: OND002093653

Component

| | | | |
|--------------------------|----------------|---------------------|-----|
| Component ID: | OND00209365301 | Components(%): | 100 |
| Soil Name ID: | ONPTH~~~~~A | Slope Steepness(%): | 3.5 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

Field Crops Capability: No significant limitations in use for Crops

First CLI Limitation Subclass:

Second CLI Limitation Subclass:

Drainage: Imperfectly

Soil Texture of A Horizon: medium - moderately fine loam

Hydrological Soil: Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.

Soil Information

Groups:

Soil Name

Soil Name: PERTH
Kind of Surface Material: Mineral
Soil Drainage Class: Imperfectly drained
Water Table Characteristics: Unspecified period
Layer that Restricts Root Growth: No root restricting layer
Type of Root Restricting Layer: n/a
Parent Material 1, 2, 3: Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|--|-------|---------------------------|-----|
| Layer No: | 1 | Very Fine Sand(%): | 11 |
| Horizon: | Ap | Total Sand(%): | 22 |
| Depth(cm): | 0-30 | Total Silt(%): | 55 |
| pH in Calc Chloride: | 7.3 | Total Clay(%): | 23 |
| Saturated Hydraulic Conductivity(cm/h): | 0.422 | Organic Carbon(%): | 2.1 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 2 | Very Fine Sand(%): | 9 |
| Horizon: | Aegj | Total Sand(%): | 24 |
| Depth(cm): | 30-36 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 27 |
| Saturated Hydraulic Conductivity(cm/h): | 0.302 | Organic Carbon(%): | 0.6 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 3 | Very Fine Sand(%): | 6 |
| Horizon: | Btgj | Total Sand(%): | 16 |
| Depth(cm): | 36-48 | Total Silt(%): | 37 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 47 |
| Saturated Hydraulic Conductivity(cm/h): | 0.211 | Organic Carbon(%): | 0.5 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 4 | Very Fine Sand(%): | 5 |
| Horizon: | Ckgj | Total Sand(%): | 15 |

Soil Information

| | | | |
|---|---------|--------------------|-----|
| Depth(cm): | 48-100 | Total Silt(%): | 57 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 28 |
| Saturated Hydraulic Conductivity(cm/h): | 0.151 | Organic Carbon(%): | 0.1 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 5 | Very Fine Sand(%): | 13 |
| Horizon: | Ckgj | Total Sand(%): | 35 |
| Depth(cm): | 100-110 | Total Silt(%): | 42 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 23 |
| Saturated Hydraulic Conductivity(cm/h): | 0.261 | Organic Carbon(%): | 0.1 |
| Electrical Conductivity (dS/m): | 0 | | |

Polygon ID: OND002093608

Component

| | | | |
|--------------------------|----------------|---------------------|----|
| Component ID: | OND00209360801 | Components(%): | 80 |
| Soil Name ID: | ONHRR~~~~~A | Slope Steepness(%): | 7 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

| | |
|---------------------------------|---|
| Field Crops Capability: | No significant limitations in use for Crops |
| First CLI Limitation Subclass: | |
| Second CLI Limitation Subclass: | |
| Drainage: | Well |
| Soil Texture of A Horizon: | medium - moderately fine loam |
| Hydrological Soil Groups: | Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. |

Soil Name

| | |
|-----------------------------------|---------------------------|
| Soil Name: | HARRISTON |
| Kind of Surface Material: | Mineral |
| Soil Drainage Class: | Well drained |
| Water Table Characteristics: | Unspecified period |
| Layer that Restricts Root Growth: | No root restricting layer |
| Type of Root Restricting Layer: | n/a |

Soil Information

Parent Material 1, 2, 3: Medium; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 38 |
| Depth(cm): | 0-27 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.2 | Total Clay(%): | 13 |
| Saturated Hydraulic Conductivity(cm/h): | 0.811 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 2 | Very Fine Sand(%): | 18 |
| Horizon: | Bt | Total Sand(%): | 46 |
| Depth(cm): | 27-38 | Total Silt(%): | 36 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 18 |
| Saturated Hydraulic Conductivity(cm/h): | 0.671 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|--------|---------------------------|----|
| Layer No: | 3 | Very Fine Sand(%): | 15 |
| Horizon: | Ck | Total Sand(%): | 48 |
| Depth(cm): | 38-100 | Total Silt(%): | 44 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 8 |
| Saturated Hydraulic Conductivity(cm/h): | 1.473 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

Component

| | | | |
|---------------------------------|----------------|----------------------------|----|
| Component ID: | OND00209360802 | Components(%): | 20 |
| Soil Name ID: | ONHRR~~~~~A | Slope Steepness(%): | 7 |
| Component No: | 2 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

Field Crops Capability: moderately severe limitations on use for crops.
First CLI Limitation Subclass: Presence of adverse Topography
Second CLI Limitation

Soil Information

Subclass:

Drainage: Well

Soil Texture of A Horizon: medium - moderately fine loam

Hydrological Soil Groups: Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Name

Soil Name: HARRISTON

Kind of Surface Material: Mineral

Soil Drainage Class: Well drained

Water Table: Unspecified period

Charateristics:

Layer that Restricts Root Growth: No root restricting layer

Type of Root Restricting Layer: n/a

Parent Material 1, 2, 3: Medium; Not Applicable; Not Applicable

Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 38 |
| Depth(cm): | 0-27 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.2 | Total Clay(%): | 13 |
| Saturated Hydraulic Conductivity(cm/h): | 0.811 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 2 | Very Fine Sand(%): | 18 |
| Horizon: | Bt | Total Sand(%): | 46 |
| Depth(cm): | 27-38 | Total Silt(%): | 36 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 18 |
| Saturated Hydraulic Conductivity(cm/h): | 0.671 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|--------|---------------------------|----|
| Layer No: | 3 | Very Fine Sand(%): | 15 |
| Horizon: | Ck | Total Sand(%): | 48 |
| Depth(cm): | 38-100 | Total Silt(%): | 44 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 8 |
| Saturated Hydraulic Conductivity(cm/h): | 1.473 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

Soil Information

Polygon ID: OND002093520

Component

| | | | |
|---------------------------------|----------------|----------------------------|-----|
| Component ID: | OND00209352001 | Components(%): | 100 |
| Soil Name ID: | ONPLL~~~~~A | Slope Steepness(%): | 1.2 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Slightly stony | | |

Component Rating

Field Crops Capability: moderate limitations on use for crops

First CLI Limitation Subclass:

Second CLI Limitation Subclass:

Drainage: Poorly

Soil Texture of A Horizon: medium - moderately fine loam

Hydrological Soil Groups: Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.

Soil Name

Soil Name: PARKHILL

Kind of Surface Material: Mineral

Soil Drainage Class: Poorly drained

Water Table Characteristics: Unspecified period

Layer that Restricts Root Growth: No root restricting layer

Type of Root Restricting Layer: n/a

Parent Material 1, 2, 3: Medium; Not Applicable; Not Applicable

Mode of Deposition 1,2,3: Till (Morainal); Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

| | | | |
|-----------------------------|-------|---------------------------|-----|
| Layer No: | 1 | Very Fine Sand(%): | 8 |
| Horizon: | Ap | Total Sand(%): | 18 |
| Depth(cm): | 0-23 | Total Silt(%): | 58 |
| pH in Calc Chloride: | 6.9 | Total Clay(%): | 24 |
| Saturated Hydraulic | 0.583 | Organic Carbon(%): | 4.6 |

Soil Information

Conductivity(cm/h):

Electrical Conductivity (dS/m): 0

| | | | |
|---|-------|--------------------|----|
| Layer No: | 2 | Very Fine Sand(%): | 9 |
| Horizon: | Bg | Total Sand(%): | 21 |
| Depth(cm): | 23-60 | Total Silt(%): | 58 |
| pH in Calc Chloride: | 6.9 | Total Clay(%): | 21 |
| Saturated Hydraulic Conductivity(cm/h): | 0.272 | Organic Carbon(%): | 1 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|---|--------|--------------------|-----|
| Layer No: | 3 | Very Fine Sand(%): | 10 |
| Horizon: | Ckg | Total Sand(%): | 23 |
| Depth(cm): | 60-100 | Total Silt(%): | 56 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 21 |
| Saturated Hydraulic Conductivity(cm/h): | 0.198 | Organic Carbon(%): | 0.4 |
| Electrical Conductivity (dS/m): | 0 | | |

Polygon ID: OND002093579

Component

| | | | |
|--------------------------|----------------|---------------------|----|
| Component ID: | OND00209357901 | Components(%): | 80 |
| Soil Name ID: | ONHRR~~~~~A | Slope Steepness(%): | 7 |
| Component No: | 1 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Component Rating

Field Crops Capability: No significant limitations in use for Crops

First CLI Limitation

Subclass:

Second CLI Limitation

Subclass:

Drainage: Well

Soil Texture of A medium - moderately fine loam

Horizon:

Hydrological Soil Groups: Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Name

Soil Name: HARRISTON

Kind of Surface Material: Mineral

Soil Information

| | |
|---|---|
| Soil Drainage Class: | Well drained |
| Water Table Characteristics: | Unspecified period |
| Layer that Restricts Root Growth: | No root restricting layer |
| Type of Root Restricting Layer: | n/a |
| Parent Material 1, 2, 3: | Medium; Not Applicable; Not Applicable |
| Mode of Deposition 1,2,3: | Till (Morainal); Not Applicable; Not Applicable |
| Parent Material Chemical Property 1,2,3: | Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable |

Soil Layer

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 38 |
| Depth(cm): | 0-27 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.2 | Total Clay(%): | 13 |
| Saturated Hydraulic Conductivity(cm/h): | 0.811 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 2 | Very Fine Sand(%): | 18 |
| Horizon: | Bt | Total Sand(%): | 46 |
| Depth(cm): | 27-38 | Total Silt(%): | 36 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 18 |
| Saturated Hydraulic Conductivity(cm/h): | 0.671 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

| | | | |
|--|--------|---------------------------|----|
| Layer No: | 3 | Very Fine Sand(%): | 15 |
| Horizon: | Ck | Total Sand(%): | 48 |
| Depth(cm): | 38-100 | Total Silt(%): | 44 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 8 |
| Saturated Hydraulic Conductivity(cm/h): | 1.473 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

Component

| | | | |
|---------------------------------|----------------|----------------------------|----|
| Component ID: | OND00209357902 | Components(%): | 20 |
| Soil Name ID: | ONHRR~~~~~A | Slope Steepness(%): | 7 |
| Component No: | 2 | Slope Length(m): | -9 |
| Surface Stoniness Class: | Nonstony | | |

Soil Information

Component Rating

| | |
|-----------------------------------|---|
| Field Crops Capability: | moderately severe limitations on use for crops. |
| First CLI Limitation | Presence of adverse Topography |
| Subclass: | |
| Second CLI Limitation | |
| Subclass: | |
| Drainage: | Well |
| Soil Texture of A Horizon: | medium - moderately fine loam |
| Hydrological Soil Groups: | Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. |

Soil Name

| | |
|---|---|
| Soil Name: | HARRISTON |
| Kind of Surface Material: | Mineral |
| Soil Drainage Class: | Well drained |
| Water Table Characteristics: | Unspecified period |
| Layer that Restricts Root Growth: | No root restricting layer |
| Type of Root Restricting Layer: | n/a |
| Parent Material 1, 2, 3: | Medium; Not Applicable; Not Applicable |
| Mode of Deposition 1,2,3: | Till (Morainal); Not Applicable; Not Applicable |
| Parent Material Chemical Property 1,2,3: | Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable |

Soil Layer

| | | | |
|--|-------|---------------------------|----|
| Layer No: | 1 | Very Fine Sand(%): | 15 |
| Horizon: | Ap | Total Sand(%): | 38 |
| Depth(cm): | 0-27 | Total Silt(%): | 49 |
| pH in Calc Chloride: | 7.2 | Total Clay(%): | 13 |
| Saturated Hydraulic Conductivity(cm/h): | 0.811 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 2 | Very Fine Sand(%): | 18 |
| Horizon: | Bt | Total Sand(%): | 46 |
| Depth(cm): | 27-38 | Total Silt(%): | 36 |
| pH in Calc Chloride: | 7.4 | Total Clay(%): | 18 |
| Saturated Hydraulic Conductivity(cm/h): | 0.671 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |
| Layer No: | 3 | Very Fine Sand(%): | 15 |
| Horizon: | Ck | Total Sand(%): | 48 |

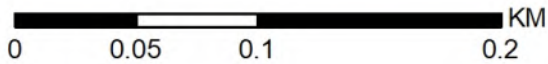
Soil Information

| | | | |
|--|--------|---------------------------|----|
| Depth(cm): | 38-100 | Total Silt(%): | 44 |
| pH in Calc Chloride: | 7.6 | Total Clay(%): | 8 |
| Saturated Hydraulic Conductivity(cm/h): | 1.473 | Organic Carbon(%): | 0 |
| Electrical Conductivity (dS/m): | 0 | | |

Wells and Additional Sources



Wells & Additional Sources



- | | |
|--------------------|--------------------------------|
| ★ Project Property | □ Buffer |
| □ Buffer | ▲ Sites with Higher Elevation |
| □ Buffer | ■ Sites with Same Elevation |
| □ Buffer | ▼ Sites with Lower Elevation |
| □ Buffer | ○ Sites with Unknown Elevation |



Wells and Additional Sources Summary

Federal Sources

National Energy Board Wells

| Map Key | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found | | | |

Provincial Sources

Ontario Oil and Gas Wells

| Map Key | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found | | | |

Provincial Groundwater Monitoring Network

| Map Key | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found | | | |

Water Well Information System

| Map Key | Well ID | Distance (m) | Direction |
|---------|---------|--------------|-----------|
| 1 | 7240275 | 81.63 | SE |
| 2 | 6711703 | 111.5 | SSW |
| 3 | 6711704 | 116.72 | S |
| 4 | 6711705 | 119.49 | SSE |
| 5 | 7203112 | 174.79 | SSE |
| 6 | 6711706 | 175.2 | SSE |
| 7 | 6715108 | 237.08 | WSW |

Private Sources

Oil and Gas Wells

| Map Key | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found | | | |

Wells and Additional Sources Detail Report

Water Well Information System

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 1 | SE | 0.08 | 81.63 | 416.16 | WWIS |

| | | | |
|------------------------|------------|--------------------|----------------|
| Well ID: | 7240275 | Data Entry Status: | |
| Construction Date: | | Data Src: | |
| Primary Water Use: | Monitoring | Date Received: | 4/22/2015 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | 0 | Abandonment Rec: | |
| Water Type: | | Contractor: | 7241 |
| Casing Material: | | Form Version: | 7 |
| Audit No: | Z206502 | Owner: | |
| Tag: | A174819 | Street Name: | 599 HILL ST. W |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map):

Well Completed Date: 2015/02/23
 Year Completed: 2015
 Depth (m): 4.572
 Latitude: 43.7038234514905
 Longitude: -80.3862875319531
 Path:

| | | | |
|-----------------|----------------------|------------------|-----------------------------|
| Bore Hole ID: | 1005327062 | Elevation: | 416.833343 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 17 |
| Code OB: | | East83: | 549448.00 |
| Code OB Desc: | | North83: | 4839161.00 |
| Open Hole: | | Org CS: | UTM83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 23-Feb-2015 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | wwr |

Wells and Additional Sources Detail Report

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

Formation ID: 1005605505
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Formation ID: 1005605506
Layer: 2
Color: 6
General Color: BROWN
Mat1: 34
Most Common Material: TILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Plug ID: 1005605514
Layer: 2
Plug From: 1
Plug To: 9
Plug Depth UOM: ft

Wells and Additional Sources Detail Report

Plug ID: 1005605515
Layer: 3
Plug From: 9
Plug To: 15
Plug Depth UOM: ft

Plug ID: 1005605513
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Method Construction ID: 1005605512
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe ID: 1005605504
Casing No: 0
Comment:
Alt Name:

Screen ID: 1005605510
Layer: 1
Slot: 10
Screen Top Depth: 10
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Water ID: 1005605508
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole ID: 1005605507

Wells and Additional Sources Detail Report

Diameter: 8.0
 Depth From: 0.0
 Depth To: 15.0
 Hole Depth UOM: ft
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 2 | SSW | 0.11 | 111.50 | 415.86 | WWIS |

| | | | |
|------------------------|-------------------|--------------------|-------------|
| Well ID: | 6711703 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Not Used | Date Received: | 5/1/1995 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Observation Wells | Abandonment Rec: | |
| Water Type: | | Contractor: | 6370 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152708 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711703.pdf

Well Completed Date: 1993/07/12
 Year Completed: 1993
 Depth (m): 6.096
 Latitude: 43.7033346517733
 Longitude: -80.3874839885937
 Path: 671\6711703.pdf

| | | | |
|-----------------|------------|------------|------------|
| Bore Hole ID: | 10475536 | Elevation: | 418.016906 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549352.00 |
| Code OB Desc: | Overburden | North83: | 4839106.00 |

Wells and Additional Sources Detail Report

| | | | |
|------------------------------|---|------------------|-----------------------------|
| Open Hole: | | Org CS: | N83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 12-Jul-1993 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | 1999-2004 MOE Water Well Data Improvement Project | | |
| Improvement Location Method: | GIS10000 | | |
| Source Revision Comment: | Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line | | |
| Supplier Comment: | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | |

| | |
|--------------------------|-----------|
| Formation ID: | 932653738 |
| Layer: | 1 |
| Color: | 6 |
| General Color: | BROWN |
| Mat1: | 06 |
| Most Common Material: | SILT |
| Mat2: | 28 |
| Mat2 Desc: | SAND |
| Mat3: | 81 |
| Mat3 Desc: | SANDY |
| Formation Top Depth: | 0.0 |
| Formation End Depth: | 9.0 |
| Formation End Depth UOM: | ft |

| | |
|--------------------------|-----------|
| Formation ID: | 932653739 |
| Layer: | 2 |
| Color: | 2 |
| General Color: | GREY |
| Mat1: | 06 |
| Most Common Material: | SILT |
| Mat2: | 05 |
| Mat2 Desc: | CLAY |
| Mat3: | 11 |
| Mat3 Desc: | GRAVEL |
| Formation Top Depth: | 9.0 |
| Formation End Depth: | 20.0 |
| Formation End Depth UOM: | ft |

| | |
|------------|-----------|
| Plug ID: | 933210446 |
| Layer: | 1 |
| Plug From: | 0 |

Wells and Additional Sources Detail Report

Plug To: 3
Plug Depth UOM: ft

Plug ID: 933210447
Layer: 2
Plug From: 3
Plug To: 13
Plug Depth UOM: ft

Method Construction ID: 966711703
Method Construction Code: A
Method Construction: Digging
Other Method Construction:

Pipe ID: 11024106
Casing No: 1
Comment:
Alt Name:

Casing ID: 930774576
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Screen ID: 933385866
Layer: 1
Slot: 010
Screen Top Depth: 20
Screen End Depth: 25
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water ID: 933965744

Wells and Additional Sources Detail Report

Layer: 1
 Kind Code: 5
 Kind: Not stated
 Water Found Depth: 9.0
 Water Found Depth UOM: ft

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 3 | S | 0.12 | 116.72 | 415.86 | WWIS |

| | | | |
|------------------------|-------------------|--------------------|-------------|
| Well ID: | 6711704 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Not Used | Date Received: | 5/1/1995 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Observation Wells | Abandonment Rec: | |
| Water Type: | | Contractor: | 6370 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152709 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711704.pdf

Well Completed Date: 1993/07/13
 Year Completed: 1993
 Depth (m): 6.096
 Latitude: 43.7032503602668
 Longitude: -80.3868767014873
 Path: 671\6711704.pdf

| | | | |
|-----------------|------------|------------|------------|
| Bore Hole ID: | 10475537 | Elevation: | 417.793212 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549401.00 |
| Code OB Desc: | Overburden | North83: | 4839097.00 |

Wells and Additional Sources Detail Report

Open Hole: Org CS: N83
Cluster Kind: UTMRC: 3
Date Completed: 13-Jul-1993 00:00:00 UTMRC Desc: margin of error : 10 - 30 m
Remarks: Location Method:
Elevrc Desc:
Location Source Date:
Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method: GIS10000
Source Revision: Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line
Comment: Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.
Supplier Comment:

Formation ID: 932653741
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 9.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Formation ID: 932653740
Layer: 1
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Plug ID: 933210448
Layer: 1
Plug From: 0

Wells and Additional Sources Detail Report

Plug To: 3
Plug Depth UOM: ft

Plug ID: 933210449
Layer: 2
Plug From: 3
Plug To: 13
Plug Depth UOM: ft

Method Construction ID: 966711704
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe ID: 11024107
Casing No: 1
Comment:
Alt Name:

Casing ID: 930774577
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Screen ID: 933385867
Layer: 1
Slot: 010
Screen Top Depth: 20
Screen End Depth: 25
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water ID: 933965745

Wells and Additional Sources Detail Report

Layer: 1
 Kind Code: 5
 Kind: Not stated
 Water Found Depth: 9.0
 Water Found Depth UOM: ft

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 4 | SSE | 0.12 | 119.49 | 416.18 | WWIS |

| | | | |
|------------------------|-------------------|--------------------|-------------|
| Well ID: | 6711705 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Not Used | Date Received: | 5/1/1995 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | Observation Wells | Abandonment Rec: | |
| Water Type: | | Contractor: | 6370 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152710 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711705.pdf

Well Completed Date: 1993/07/13
 Year Completed: 1993
 Depth (m): 6.096
 Latitude: 43.7033644082353
 Longitude: -80.386317037258
 Path: 671\6711705.pdf

| | | | |
|-----------------|------------|------------|------------|
| Bore Hole ID: | 10475538 | Elevation: | 417.386260 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549446.00 |
| Code OB Desc: | Overburden | North83: | 4839110.00 |

Wells and Additional Sources Detail Report

Open Hole: Org CS: N83
Cluster Kind: UTMRC: 3
Date Completed: 13-Jul-1993 00:00:00 UTMRC Desc: margin of error : 10 - 30 m
Remarks: Location Method:
Elevrc Desc:
Location Source Date:
Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method: GIS10000
Source Revision: Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line
Comment: Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using
Supplier Comment: GIS at a scale of 1:10000.

Formation ID: 932653743
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 9.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Formation ID: 932653742
Layer: 1
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Plug ID: 933210450
Layer: 1
Plug From: 0

Wells and Additional Sources Detail Report

Plug To: 3
Plug Depth UOM: ft

Plug ID: 933210451
Layer: 2
Plug From: 3
Plug To: 13
Plug Depth UOM: ft

Method Construction ID: 966711705
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe ID: 11024108
Casing No: 1
Comment:
Alt Name:

Casing ID: 930774578
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Screen ID: 933385868
Layer: 1
Slot: 010
Screen Top Depth: 20
Screen End Depth: 25
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water ID: 933965746

Wells and Additional Sources Detail Report

Layer: 1
 Kind Code: 5
 Kind: Not stated
 Water Found Depth: 9.0
 Water Found Depth UOM: ft

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 5 | SSE | 0.17 | 174.79 | 415.86 | WWIS |

| | | | |
|------------------------|---------|--------------------|-------------|
| Well ID: | 7203112 | Data Entry Status: | |
| Construction Date: | | Data Src: | |
| Primary Water Use: | | Date Received: | 6/11/2013 |
| Sec. Water Use: | | Selected Flag: | True |
| Final Well Status: | 0 | Abandonment Rec: | Yes |
| Water Type: | | Contractor: | 7282 |
| Casing Material: | | Form Version: | 7 |
| Audit No: | Z161857 | Owner: | |
| Tag: | | Street Name: | 599 HILL ST |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7203112.pdf

Well Completed Date: 2013/05/24
 Year Completed: 2013
 Depth (m):
 Latitude: 43.7029126356226
 Longitude: -80.3860237803616
 Path: 720\7203112.pdf

| | | | |
|-----------------|------------|------------|------------|
| Bore Hole ID: | 1004342321 | Elevation: | 417.478820 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 17 |
| Code OB: | | East83: | 549470.00 |
| Code OB Desc: | | North83: | 4839060.00 |

Wells and Additional Sources Detail Report

Open Hole: Org CS: UTM83
Cluster Kind: UTMRC: 4
Date Completed: 24-May-2013 00:00:00 UTMRC Desc: margin of error : 30 m - 100 m
Remarks: Location Method: wwr
Elevrc Desc:
Location Source Date:
Improvement Location
Source:
Improvement Location
Method:
Source Revision
Comment:
Supplier Comment:

Plug ID: 1004930332
Layer: 2
Plug From: 2
Plug To: 6
Plug Depth UOM: ft

Plug ID: 1004930331
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Plug ID: 1004930330
Layer: 1
Plug From:
Plug To:
Plug Depth UOM: ft

Method Construction ID: 1004930329
Method Construction
Code:
Method Construction:
Other Method
Construction:

Pipe ID: 1004930323
Casing No: 0
Comment:
Alt Name:

Wells and Additional Sources Detail Report

Casing ID: 1004930327
 Layer:
 Material:
 Open Hole or Material:
 Depth From:
 Depth To:
 Casing Diameter:
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Screen ID: 1004930328
 Layer:
 Slot:
 Screen Top Depth:
 Screen End Depth:
 Screen Material:
 Screen Depth UOM: ft
 Screen Diameter UOM: inch
 Screen Diameter:

Water ID: 1004930326
 Layer: 1
 Kind Code: 9
 Kind: Other
 Water Found Depth: 3.0
 Water Found Depth UOM: ft

Hole ID: 1004930325
 Diameter: 2.5
 Depth From: 0.0
 Depth To: 6.0
 Hole Depth UOM: ft
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 6 | SSE | 0.18 | 175.20 | 415.86 | WWIS |

| | |
|--------------------------------------|-------------------------|
| Well ID: 6711706 | Data Entry Status: |
| Construction Date: | Data Src: 1 |
| Primary Water Use: Not Used | Date Received: 5/1/1995 |
| Sec. Water Use: | Selected Flag: True |
| Final Well Status: Observation Wells | Abandonment Rec: |
| Water Type: | Contractor: 6370 |

Wells and Additional Sources Detail Report

| | | | |
|------------------------|--------|------------------|-------------|
| Casing Material: | | Form Version: | 1 |
| Audit No: | 152711 | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | FERGUS TOWN |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711706.pdf

Well Completed Date: 1993/07/14
Year Completed: 1993
Depth (m): 6.096
Latitude: 43.7028239339826
Longitude: -80.3862729064577
Path: 671\6711706.pdf

| | | | |
|------------------------------|---|------------------|-----------------------------|
| Bore Hole ID: | 10475539 | Elevation: | 417.646087 |
| DP2BR: | | Elevrc: | |
| Spatial Status: | Improved | Zone: | 17 |
| Code OB: | o | East83: | 549450.00 |
| Code OB Desc: | Overburden | North83: | 4839050.00 |
| Open Hole: | | Org CS: | N83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 14-Jul-1993 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | 1999-2004 MOE Water Well Data Improvement Project | | |
| Improvement Location Method: | GIS10000 | | |
| Source Revision Comment: | Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).measuring from fence line | | |
| Supplier Comment: | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | |

Formation ID: 932653744
Layer: 1
Color: 6

Wells and Additional Sources Detail Report

General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Formation ID: 932653745
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 9.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Plug ID: 933210452
Layer: 1
Plug From: 0
Plug To: 3
Plug Depth UOM: ft

Plug ID: 933210453
Layer: 2
Plug From: 3
Plug To: 13
Plug Depth UOM: ft

Method Construction ID: 966711706
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Wells and Additional Sources Detail Report

Pipe ID: 11024109
 Casing No: 1
 Comment:
 Alt Name:

Casing ID: 930774579
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 15
 Casing Diameter: 2
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Screen ID: 933385869
 Layer: 1
 Slot: 010
 Screen Top Depth: 20
 Screen End Depth: 25
 Screen Material:
 Screen Depth UOM: ft
 Screen Diameter UOM: inch
 Screen Diameter: 2

Water ID: 933965747
 Layer: 1
 Kind Code: 5
 Kind: Not stated
 Water Found Depth: 9.0
 Water Found Depth UOM: ft

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|------|
| 7 | WSW | 0.24 | 237.08 | 415.86 | WWIS |

Well ID: 6715108
 Construction Date:
 Primary Water Use: Domestic
 Sec. Water Use:
 Final Well Status: Water Supply
 Water Type:
 Casing Material:

Data Entry Status:
 Data Src: 1
 Date Received: 10/28/2004
 Selected Flag: True
 Abandonment Rec:
 Contractor: 6865
 Form Version: 3

Wells and Additional Sources Detail Report

| | | | |
|------------------------|---------|------------------|-----------------------|
| Audit No: | Z05780 | Owner: | |
| Tag: | A005706 | Street Name: | 585 GARAFRARA ST WEST |
| Construction Method: | | County: | WELLINGTON |
| Elevation (m): | | Municipality: | NICHOL TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 021 |
| Well Depth: | | Concession: | 15 |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6715108.pdf

Well Completed Date: 2004/09/20
Year Completed: 2004
Depth (m): 39.42
Latitude: 43.7033826809039
Longitude: -80.3897299189485
Path: 671\6715108.pdf

| | | | |
|------------------------------|----------------------|------------------|-----------------------------|
| Bore Hole ID: | 11179745 | Elevation: | 417.378814 |
| DP2BR: | 72.00 | Elevrc: | |
| Spatial Status: | | Zone: | 17 |
| Code OB: | r | East83: | 549171.00 |
| Code OB Desc: | Bedrock | North83: | 4839110.00 |
| Open Hole: | | Org CS: | UTM83 |
| Cluster Kind: | | UTMRC: | 3 |
| Date Completed: | 20-Sep-2004 00:00:00 | UTMRC Desc: | margin of error : 10 - 30 m |
| Remarks: | | Location Method: | wwr |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Formation ID: 932990738
Layer: 5
Color: 6
General Color: BROWN

Wells and Additional Sources Detail Report

Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21.899999618530273
Formation End Depth: 39.41999816894531
Formation End Depth UOM: m

Formation ID: 932990734
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 5.5
Formation End Depth UOM: m

Formation ID: 932990737
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 19.799999237060547
Formation End Depth: 21.899999618530273
Formation End Depth UOM: m

Formation ID: 932990735
Layer: 2
Color: 2
General Color: GREY
Mat1: 05

Wells and Additional Sources Detail Report

Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 5.5
Formation End Depth: 16.5
Formation End Depth UOM: m

Formation ID: 932990736
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16.5
Formation End Depth: 19.799999237060547
Formation End Depth UOM: m

Plug ID: 933262835
Layer: 1
Plug From: 0
Plug To: 36
Plug Depth UOM: m

Method Construction ID: 966715108
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe ID: 11188264
Casing No: 1
Comment:
Alt Name:

Casing ID: 930852991
Layer: 1

Wells and Additional Sources Detail Report

Material: 1
Open Hole or Material: STEEL
Depth From: 0.600000023841858
Depth To: 36
Casing Diameter: 15.8999996185303
Casing Diameter UOM: cm
Casing Depth UOM: m

Casing ID: 930852992
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 36
Depth To: 39.4000015258789
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Pump Test ID: 11194627
Pump Set At: 38.0
Static Level: 31.200000762939453
Final Level After Pumping: 32.77000045776367
Recommended Pump
Depth: 38.0
Pumping Rate: 34.0
Flowing Rate:
Recommended Pump
Rate: 34.0
Levels UOM: m
Rate UOM: LPM
Water State After Test
Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 8
Pumping Duration MIN: 0
Flowing:

Pump Test Detail ID: 11205835
Test Type: Recovery
Test Duration: 4
Test Level: 32.43000030517578
Test Level UOM: m

Pump Test Detail ID: 11206124

Wells and Additional Sources Detail Report

Test Type: Recovery
Test Duration: 40
Test Level: 31.81999969482422
Test Level UOM: m

Pump Test Detail ID: 11206125
Test Type: Draw Down
Test Duration: 50
Test Level: 32.41999816894531
Test Level UOM: m

Pump Test Detail ID: 11205832
Test Type: Draw Down
Test Duration: 3
Test Level: 31.850000381469727
Test Level UOM: m

Pump Test Detail ID: 11205834
Test Type: Draw Down
Test Duration: 4
Test Level: 31.889999389648438
Test Level UOM: m

Pump Test Detail ID: 11205837
Test Type: Recovery
Test Duration: 5
Test Level: 32.380001068115234
Test Level UOM: m

Pump Test Detail ID: 11205841
Test Type: Recovery
Test Duration: 15
Test Level: 32.099998474121094
Test Level UOM: m

Pump Test Detail ID: 11205846
Test Type: Draw Down
Test Duration: 30
Test Level: 32.31999969482422
Test Level UOM: m

Wells and Additional Sources Detail Report

Pump Test Detail ID: 11205828
Test Type: Draw Down
Test Duration: 1
Test Level: 31.719999313354492
Test Level UOM: m

Pump Test Detail ID: 11205842
Test Type: Draw Down
Test Duration: 20
Test Level: 32.22999954223633
Test Level UOM: m

Pump Test Detail ID: 11206127
Test Type: Draw Down
Test Duration: 60
Test Level: 32.459999084472656
Test Level UOM: m

Pump Test Detail ID: 11205829
Test Type: Recovery
Test Duration: 1
Test Level: 32.58000183105469
Test Level UOM: m

Pump Test Detail ID: 11205831
Test Type: Recovery
Test Duration: 2
Test Level: 32.52000045776367
Test Level UOM: m

Pump Test Detail ID: 11205839
Test Type: Recovery
Test Duration: 10
Test Level: 32.220001220703125
Test Level UOM: m

Pump Test Detail ID: 11205845
Test Type: Recovery
Test Duration: 25
Test Level: 31.950000762939453

Wells and Additional Sources Detail Report

Test Level UOM: m

Pump Test Detail ID: 11206126
Test Type: Recovery
Test Duration: 50
Test Level: 31.760000228881836
Test Level UOM: m

Pump Test Detail ID: 11206128
Test Type: Recovery
Test Duration: 60
Test Level: 31.709999084472656
Test Level UOM: m

Pump Test Detail ID: 11205830
Test Type: Draw Down
Test Duration: 2
Test Level: 31.799999237060547
Test Level UOM: m

Pump Test Detail ID: 11205836
Test Type: Draw Down
Test Duration: 5
Test Level: 31.93000030517578
Test Level UOM: m

Pump Test Detail ID: 11205838
Test Type: Draw Down
Test Duration: 10
Test Level: 32.08000183105469
Test Level UOM: m

Pump Test Detail ID: 11205843
Test Type: Recovery
Test Duration: 20
Test Level: 32.0099983215332
Test Level UOM: m

Pump Test Detail ID: 11205847
Test Type: Recovery

Wells and Additional Sources Detail Report

Test Duration: 30
Test Level: 31.899999618530273
Test Level UOM: m

Pump Test Detail ID: 11205833
Test Type: Recovery
Test Duration: 3
Test Level: 32.470001220703125
Test Level UOM: m

Pump Test Detail ID: 11205840
Test Type: Draw Down
Test Duration: 15
Test Level: 32.15999984741211
Test Level UOM: m

Pump Test Detail ID: 11205844
Test Type: Draw Down
Test Duration: 25
Test Level: 32.279998779296875
Test Level UOM: m

Pump Test Detail ID: 11205848
Test Type: Draw Down
Test Duration: 40
Test Level: 32.380001068115234
Test Level UOM: m

Water ID: 934057246
Layer: 1
Kind Code:
Kind:
Water Found Depth: 360.0
Water Found Depth UOM: m

Hole ID: 11314183
Diameter: 20.0
Depth From: 6.400000095367432
Depth To: 36.0
Hole Depth UOM: m
Hole Diameter UOM: cm

Wells and Additional Sources Detail Report

Hole ID: 11314184
Diameter: 15.600000381469727
Depth From: 36.0
Depth To: 39.400001525878906
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole ID: 11314182
Diameter: 22.5
Depth From: 0.0
Depth To: 6.400000095367432
Hole Depth UOM: m
Hole Diameter UOM: cm

Radon Information

Detailed radon information for the project property is provided below.

Radon Zone Information

ID: 144850 **Radon Rank:** HIGH

Health Canada Radon Information

Health Region: 3566
Health Region Name: Wellington-Dufferin-Guelph Health Unit
Province or Territory: ON
Number Homes in Survey: 92
% Below 200 Bq/m3: 89.1
% Above 200 Bq/m3: 10.9
200 to 600 Bq/m3: 8.7
% Above 600 Bq/m3: 2.2

Area of Natural and Scientific Interest Information

There is no ANSI unit available in this area.

Area of Natural and Scientific Interest Information

Detailed ANSI information is provided below.

No records found for the project property or surrounding properties.

Federal Sources

Bedrock Geology of Canada

The Geological Map of Canada is scaled at 1:5,000,000. This map is created by Geological Survey of Canada and published by Natural Resources Canada.

BEDROCK GEOLOGY

Health Canada Radon Information

This source is the results from the Cross-Canada Survey of Radon Concentrations in Homes, a two-year study conducted by Health Canada's National Radon Program. The aims of this study were to obtain an estimate of the proportion of the Canadian population living in homes with radon gas levels above the guideline of 200 Bq/m³, to identify previously unknown areas where radon gas exposure may constitute a health risk, and to build, over time, a map of indoor radon gas exposure levels across Canada.

RADON

National Energy Board Wells

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.

NEBP

Soil Landscapes of Canada (SLC)

Major characteristics of soil and land such as surface form, slope, water table depth, permafrost and lakes.

SLC

Surficial Geology of Canada

This map contains information on surficial materials and associated landforms left by the retreat of the last glaciers and non glacial environments. It is based on compilation of existing maps. This data was authored by the Geological Survey of Canada and published by Natural Resources Canada.

SURFICIAL GEOLOGY

Toporama

Toporama covers the entire area of Canada's landmass and provides topographic, geo-referenced, and symbolic information in a raster format at 1:50,000 scale. This is a digital topographic reference product made available by Natural Resources Canada (NRCan).

TOPORAMA

Provincial Sources

Area of Natural and Scientific Interest

Areas of Natural and Scientific Interest (ANSIs) are lands and waters with features that are important for natural heritage protection, appreciation, scientific study or education. This dataset is made available by Ontario Ministry of Natural Resources.

ANSI

Bedrock Geology of Ontario

The Bedrock Geology layer shows the distribution of bedrock units underlying Ontario at a 1:250,000 scale. The geology of the province consists of Precambrian rocks of the Canadian Shield and Phanerozoic sedimentary rocks that overlie the Canadian Shield. This layer was compiled by the Precambrian Geoscience Section of Ontario Geological Survey.

BEDROCK GEOLOGY

Ontario Detailed Soil Survey (DSS3)

Soil surveys have been published for most of the agricultural areas, and many surrounding areas, across Canada. Data from these surveys comprise the most detailed soil inventory information in the National Soil DataBase. Data is made available by Agriculture and Agri-Food Canada

SOIL SURVEY

Ontario Oil and Gas Wells

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 OGS 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.

OOGW

Provincial Groundwater Monitoring Network

GROUNDWATER

Appendix

Groundwater level and chemistry data from monitoring wells that are part of the Provincial Groundwater Monitoring Network (PGMN) Program. Precipitation data (rain) is also available for some sites. This data is provided by Ontario Ministry of Environment and Climate Change.

Surficial Geology of Ontario

The Surficial Geology dataset contains a layer depicting the distribution and characteristics of surficial deposits across southern Ontario. This data set is authored by the Ontario Geological Survey.

SURFICIAL GEOLOGY

Topographic Map of Ontario

The Ontario Basic Mapping program provides a relationship between topographic information and the provincial geographical referencing grid, thereby forming the foundation for a comprehensive provincial geographical referencing system. This data is made available by the Ontario Ministry of Natural Resources and Forestry. This is ERIS self-designed topographic map template at 1:10,000.

TOPOGRAPHIC MAP

Water Well Information System

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.

WWIS

Wetlands of Ontario

The Ministry of Natural Resources and Forestry has made available a database of wetlands in Ontario. Certain attributes identify wetlands that have been evaluated with the Ontario Wetland Evaluation System (OWES), and of those which ones have been designated as Provincially Significant Wetlands (PSW).

WETLAND

Private Sources

Oil and Gas Wells

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.

OGWE

Radon Zone Information

The Radon Potential Map is developed by Radon Environmental Management Corporation. Its objective was to illustrate the relative variation of radon risk across the country, and in 2011 it published its first geologic Radon Potential Map of Canada.

RADON

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