

**PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT**

of

858 – 862 Niagara Street, Welland, ON

For:

Lally Homes Ltd.
c/o Mr. John Lally



August 1, 2019
Project: E-19-11-1

4999 Victoria Avenue
Niagara Falls, ON, L2E 4C9
Tel: (905) 357-4015 Fax: (905) 353-1105

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

of:

858 – 862 Niagara Street Welland, ON

Prepared by **Hallex Environmental Ltd.** on behalf of:

Lally Homes Ltd.

Author(s): Jade Anema, MBA, B. Eng, CAPM, E.I.T, Project Coordinator
Jodie Glasier, B.A. (Hons), PD-EMA, M.MM., EP., Project Manager
Kevin Christian, M.Sc., P.Geo., QP, Principal Geoscientist

Date: August 1, 2019

Project #: E-19-11-1

Dist'n: Lally Homes Ltd. (pdf)
Hallex Environmental Ltd. (file)

This document has been prepared for the exclusive reliance and use of Lally Homes Ltd. and any third party they may so designate via letter of transmittal from Hallex Environmental Ltd.



Jodie Glasier, B.A. (Hons), PD-EMA, M.MM., EP
Project Manager



Kevin Christian, M.Sc., P.Geo. QP
Principal Geoscientist



EXECUTIVE SUMMARY

Hallex Environmental Ltd. was retained by Lally Homes Ltd. to conduct a Phase One Environmental Site Assessment (ESA) of the properties located at 858-862 Niagara Street, Welland, ON. The Study Site encompasses three (3) separate municipal addresses: 858 Niagara Street, 862 Niagara Street, and 862-A Niagara Street, which are wholly referred to as the “Study Site”.

The objectives of the Phase One ESA were an investigation of the subject property and adjacent lands conducted in accordance with O. Reg. 153/04 as amended, and under the supervision of a Qualified Person in order to determine the likelihood that one or more contaminants may have affected any land and/or water on, in or under the property.

Potentially Contaminating Activities (PCAs), and contaminants or materials of potential concern, if revealed on-site, or at properties located within a 250 m radius of the site, were evaluated as to whether they generated ‘Areas of Potential Environmental Concern’ (APECs). PCAs are itemized in Schedule D Table 2 of O. Reg 511/09. APECs, if identified, were individually evaluated whether they were triggers for additional investigation via a Phase Two ESA.

PHASE ONE ESA SCOPE OF INVESTIGATION

The Phase One ESA scope of investigation included review of historical background information via examination of:

- Fire Insurance Plans;
- Vernon’s City Directory Search;
- Environmental Risk Information System (EcoLog ERIS);
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology;
- Aerial photographs; and
- Water well records from Ontario Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks.

A site reconnaissance was completed to observe site grounds, on-site structures (if applicable), and adjacent properties in order to identify PCAs and APECs. This information was utilized to formulate a preliminary Conceptual Site Model regarding potential contaminants, contaminant migration pathways, and human and/or ecological receptors at the site.

PHASE ONE ESA FINDINGS

1. The Phase One ESA findings **did not** reveal any current or historical activities on-site or at adjacent sites that resulted in Areas of Potential Environmental Concern at the Study Site with the potential to have impacted the soil and/or groundwater.
2. Five (5) PCAs were noted within 250 m of the Study Site, however it is unlikely that any contaminants migrating off-site would present an on-site APEC at the Study Site due to the distance to the site and interpreted groundwater flow direction.

RECOMMENDATIONS

A Phase Two ESA of subsurface soil and/or groundwater conditions is **not required** and the site is suitable for planned development and continued residential land use as per O. Reg. 153/04 as amended.

LIST OF ACRONYMS

ACM	Asbestos Containing Materials
APEC	Area of Potential Environmental Concern
AST	Aboveground Storage Tank
BH	Borehole
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CSM	Conceptual Site Model
DSS	Designated Substance Survey
EC	Electrical Conductivity
EPA	Environmental Protection Act
ESA	Environmental Site Assessment
ERIS	Environmental Risk Information Services
FIP	Fire Insurance Plans
GPR	Ground Penetrating Radar
masl	Metres above sea level
mbgs	Metres below ground surface
MECP	Ministry of the Environment, Conservation and Parks
MOECC	Ministry of the Environment and Climate Change
MNR	Ministry of Natural Resources
MW	Monitoring Well
NPCA	Niagara Peninsula Conservation Authority
NPRI	National Pollutant Release Inventory
OC/OCP	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCA	Potentially Contaminating Activity
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene (tetrachloroethylene)
pH	Power of Hydrogen
PHC	Petroleum Hydrocarbons
QA/QC	Quality Assurance/Quality Control
QP	Qualified Person
RA	Risk Assessment
RSC	Record of Site Condition
SAR	Specific Absorption Rate
SCS	Site Condition Standard
SVOC	Semi-Volatile Organic Compounds
TP	Test Pit
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

Potentially Contaminating Activities (PCAs)
Schedule D Table 2 of O. Reg 511/09



PCA#	Description	PCA#	Description
1	Acid and Alkali Manufacturing, Processing and Bulk Storage	31	Ink Manufacturing, Processing and Bulk Storage
2	Adhesives and Resins Manufacturing, Processing and Bulk Storage	32	Iron and Steel Manufacturing and Processing
3	Airstrips and Hangars Operation	33	Metal Treatment, Coating, Plating and Finishing
4	Antifreeze and De-icing Manufacturing and Bulk Storage	34	Metal Fabrication
5	Asphalt and Bitumen Manufacturing	35	Mining, Smelting and Refining; Ore Processing; Tailings Storage
6	Battery Manufacturing, Recycling and Bulk Storage	36	Oil Production
7	Boat Manufacturing	37	Operation of Dry-Cleaning Equipment (where chemicals are used)
8	Chemical Manufacturing, Processing and Bulk Storage	38	Ordnance Use
9	Coal Gasification	39	Paints Manufacturing, Processing and Bulk Storage
10	Commercial Autobody Shops	40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
11	Commercial Trucking and Container Terminals	41	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
12	Concrete, Cement and Lime Manufacturing	42	Pharmaceutical Manufacturing and Processing
13	Cosmetics Manufacturing, Processing and Bulk Storage	43	Plastics (including Fibreglass) Manufacturing and Processing
14	Crude Oil Refining, Processing and Bulk Storage	44	Port Activities, including Operation and Maintenance of Wharves and Docks
15	Discharge of Brine related to oil and gas production	45	Pulp, Paper and Paperboard Manufacturing and Processing
16	Drum and Barrel and Tank Reconditioning and Recycling	46	Rail Yards, Tracks and Spurs
17	Dye Manufacturing, Processing and Bulk Storage	47	Rubber Manufacturing and Processing
18	Electricity Generation, Transformation and Power Stations	48	Salt Manufacturing, Processing and Bulk Storage
19	Electronic and Computer Equipment Manufacturing	49	Salvage Yard, including automobile wrecking
20	Explosives and Ammunition Manufacturing, Production and Bulk Storage	50	Soap and Detergent Manufacturing, Processing and Bulk Storage
21	Explosives and Firing Range	51	Solvent Manufacturing, Processing and Bulk Storage
22	Fertilizer Manufacturing, Processing and Bulk Storage	52	Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems
23	Fire Retardant Manufacturing, Processing and Bulk Storage	53	Tannery
24	Fire Training	54	Textile Manufacturing and Processing
25	Flocculants Manufacturing, Processing and Bulk Storage	55	Transformer Manufacturing, Processing and Use
26	Foam and Expanded Foam Manufacturing and Processing	56	Treatment of Sewage equal to or greater than 10,000 litres per day
27	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	57	Vehicles and Associated Parts Manufacturing
28	Gasoline and Associated Products Storage in Fixed Tanks	58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
29	Glass Manufacturing	59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
30	Importation of Fill Material of Unknown Quality		

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	i
LIST OF ACRONYMS.....	iii
LIST OF POTENTIALLY CONTAMINATING ACTIVITIES.....	iv
1.0 INTRODUCTION.....	4
1.1 Phase One Property Information.....	4
1.2 Limitations and Exceptions of Report.....	4
2.0 SCOPE OF INVESTIGATION.....	5
2.1 Procedures.....	5
3.0 RECORDS REVIEW.....	6
3.1 General.....	6
3.1.1 Phase One Study Area Determination.....	6
3.1.2 First Developed Use Determination.....	6
3.1.3 Fire Insurance Plans.....	6
3.1.4 City Directory Search.....	6
3.2 Environmental Source Information.....	7
3.3 Physical Setting.....	8
3.3.1 Aerial Photographs.....	8
3.3.2 Topography, Hydrology, Geology.....	9
3.3.3 Fill Materials.....	10
3.3.4 Water Bodies and Areas of Natural Significance.....	10
3.3.5 Well Records.....	10
4.0 INTERVIEW.....	11
5.0 SITE RECONNAISSANCE.....	12
5.1 General Requirements.....	12
5.2 Specific Observations at Phase One Property.....	12
5.2.1 Grounds Observations.....	12
5.3 Surrounding Properties in the Phase One ESA Study Area.....	13
6.0 REVIEW AND EVALUATION OF INFORMATION.....	14
6.1 Current and Past Uses – Subject Site.....	14
6.2 Potentially Contaminating Activities.....	14
6.2.1 Historical On-site PCAs.....	14
6.2.2 Recent On-site PCAs.....	14
6.2.3 Adjacent Sites PCAs.....	14
6.2.4 Study Area PCAs.....	14
6.3 Areas of Potential Environmental Concern.....	15
6.4 Phase One Conceptual Site Model.....	15
7.0 CONCLUSIONS & RECOMMENDATIONS.....	16
8.0 AUTHORS.....	17
9.0 REFERENCES.....	19

FIGURES

- Figure 1: Site Location
- Figure 2: Adjacent Land Uses
- Figure 3: Site Layout
- Figure 4: Potentially Contaminating Activities within Study Area

APPENDICES

- Appendix A: Fire Insurance Plans
- Appendix B: Vernon's City Directory
- Appendix C: Ministry of Natural Resources: Natural Heritage Map
- Appendix D: EcoLog ERIS
- Appendix E: Aerial Photographs
- Appendix F: Oil, Gas, and Salt Resources Library and Ministry of the Environment, Conservation and Parks Water Well Records
- Appendix G: Site Photograph Log

1.0 INTRODUCTION

Hallex Environmental Ltd. was retained by Lally Homes Ltd. to conduct a Phase One Environmental Site Assessment (ESA) of the properties located at 858-862 Niagara Street, Welland, ON (Study Site). The Study Site encompasses three (3) separate municipal addresses: 858 Niagara Street, 862 Niagara Street, and 862-A Niagara Street, which are wholly referred to as the “Study Site”. The environmental work was requested for due diligence purposes for site redevelopment. As future plans include site re-development the Phase One ESA will be completed in accordance with O. Reg. 153/04 as amended, for future use in submission of a Record of Site Condition with the Ministry of the Environment, Conservation and Parks (MECP), if required. The site location is shown on Figure 1 and the site layout and adjacent land uses are depicted on Figure 2.

1.1 Phase One Property Information

Municipal address:	858-862 Niagara Street, Welland, ON	
Client(s):	Lally Homes Ltd.	
UTM co-ordinates:	17 T 4764392.34 m N 642713.22 m E	
Elevation:	176.81 masl	
Approx. site areas:	858 Niagara = 7,213 m ² 862 Niagara = 1,275 m ² 862A Niagara = 871 m ²	Total = 9,359 m ² (0.93 ha)

1.2 Limitations and Exceptions of Report

Hallex Environmental Ltd. prepared this report for the account of: Lally Homes Ltd. The material in it reflects Hallex Environmental Ltd.’s best judgement based on the information discovered at the time of preparation, within the Phase One ESA scope of work. The investigative procedures and format of this report generally follow the guidelines established in: Part XV.1 of the Environmental Protection Act, per O. Reg. 153/04, as amended. Any information presented concerning materials at the site is based on information gathered during historical document search and site reconnaissance only. There may be materials and/or subsurface soil and/or groundwater conditions on-site, which are not represented by these non-invasive investigations. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Hallex Environmental Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Declaration: Hallex Environmental Ltd., and its’ Officers and Directors, declare no conflicting business or interests with the client or the subject property.

2.0 SCOPE OF INVESTIGATION

The objectives of the Phase One ESA were an investigation of the subject property and adjacent lands conducted in accordance with O. Reg. 153/04 as amended, and under the supervision of a Qualified Person in order to determine the likelihood that one or more contaminants may have affected any land and/or water on, in or under the property. Potentially Contaminating Activities (PCAs), and contaminants or materials of potential concern, if revealed on-site, or at properties located within a 250 m radius of the site, were evaluated as to whether they generated 'Areas of Potential Environmental Concern' (APECs). PCAs are itemized in Schedule D Table 2 of O. Reg 511/09. APECs if identified were individually evaluated whether they were triggers for additional investigation via a Phase Two ESA.

2.1 Procedures

The Phase One ESA scope of investigation includes review of historical background information via examination of:

- Fire Insurance Plans;
- Vernon's City Directory Search;
- Environmental Risk Information System (EcoLog ERIS);
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology;
- Aerial photographs; and
- Water well records from Ontario Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks.

A site reconnaissance is completed to observe site grounds, on-site structures (if applicable) and adjacent properties, and conduct an interview in order to identify PCAs and APECs. This information is utilized to formulate a preliminary Conceptual Site Model regarding potential contaminants, contaminant migration pathways, and human and/or ecological receptors at the site.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

Interpretation of the results of the Vernon's City Directory search (Vernon's), review of Fire Insurance Plans (FIPs), EcoLog ERIS data-based information, air photograph interpretation, in addition to the site investigation, revealed that it was not necessary to expand the data search beyond a 250 m radius of the property, the minimum area of study as prescribed by O.Reg 153/04, as amended.

3.1.2 First Developed Use Determination

The first developed land use, as determined through aerial photographs dating to 1934, was agricultural and undeveloped (woodlot).

3.1.3 Fire Insurance Plans

One (1) Fire Insurance Plan for the study area was available at Brock University from the Special Collections library, dated 1965. This plan did not depict the Study Site, but covered some sites within the study area. One (1) UST was noted approximately 210 m north of the Study Site at a lumber yard. Two (2) more USTs were shown at auto service stations outside of the study area, located at 934 Niagara Street North (approx. 279 m north of site), and at 968 Niagara Street North (approx. 380 m north of site). All USTs and auto service shops are considered PCAs, however, none result in an Area of Potential Environmental Concern (APEC) to the Study Site's soil and/or groundwater due to distance to site. The FIPs are located in Appendix A.

3.1.4 City Directory Search

The Vernon's City Directories were reviewed for information pertaining to the Study Site and study area to aid in determining first developed use of the phase one ESA property. The search was conducted at Brock University in 10-year increments, with records available from 1921 – 2013 for the City of Welland but only available for the study area from 1970 – 2013. A summary table of the Vernon's research for on-site use is shown below with the full results provided in Appendix B.

Year	Address	Listing	Address	Listing	Address	Listing
2013	858 Niagara Street	No Return	862 Niagara Street	No Return	862-A Niagara Street	Not Listed
2009		Duquett, S		Duquett, S		Not Listed
2006		Duquett, M		No Return		Not Listed
2000		Duquett, M		No Return		Not Listed
1990		No Return		Wilson, M		No Return
1980		Leeuwenburg, J		Faucher, R		Hefner, O
1970		Borsodi, M		Faucher, R		Highey, W

3.1.5 Environmental Reports

No existing environmental reports concerning the Study Site were provided to Hallex Environmental Ltd. to review.

3.2 Environmental Source Information

The following agencies, databases and documents were reviewed where available and discussed further where necessary, for information regarding the Study Site and the surrounding area to determine the presence of any activity or material of potential environmental concern.

Source	Description of Data Analysis
National Pollutant Release Inventory (NPRI)	No pertinent information was gleaned from NPRI database regarding the subject site or adjacent properties. Several sites were listed in Welland, however, they were not within the Study Area (250 m).
PCB Waste Storage Inventory	A review of the “Ontario Inventory of PCB Storage Sites” (MOE July 2000) indicated the Study Site was not a registered PCB storage site. Adjacent sites were also not listed in the PCB Inventory. Several sites were listed in Welland however, only one (1) was within the Study Area being Walmart at the Seaway Mall (listed as a minor site).
Environmental Registry of Ontario	A search was conducted on the Environmental Registry database relating to policy, regulation, act, instrument, bulletin, and appeal. Special attention was taken for Environmental Compliance Approvals (ECAs), Permits to Take Water, and Certificates of Property Use (CPU). No records were found relating to the Study Site or adjacent sites.
Coal Gasification Plants	A review of the “Inventory of Coal Gasification Plant Waste Sites” (MOE, April 1989) did not identify any former coal gasification plants for the Study Site or within the Study Area. Only one plant was listed within the Niagara Region, located in St. Catharines.
Waste Disposal Site Inventory	Review of the MOE Waste Disposal Site Inventory, June 1991 did not indicate any historic waste disposal sites in the Study Area. Closed waste disposal sites were associated with numerous industrial sites in Welland, as well as municipal waste disposal sites; however, these sites were outside the Study Area and were not expected to impact the Study Site.
Waste Management Records	No waste management records were available for the Study Site.
TSSA Retail Fuel Storage Tank Info	A request was not submitted to the Technical Safety and Standards Authority (TSSA) for information concerning fueling systems (USTs, ASTs) as there was no evidence of former tanks at the Study Site.
Record of Site Condition (RSC)	Hallex searched the Brownfield Environmental Site Registry and no RSCs were identified for the Study Site or adjacent sites.
Ministry of Natural Resources (MNR)	No Areas of Natural Significance (ANSIs) were identified at the subject site according to MNR on-line records. A map showing the MNR Natural Heritage Areas is provided in Appendix C.

3.2.1 EcoLog ERIS Database

The EcoLog ERIS report returned one hundred and twenty-four (124) environmental records. One (1) of the records was affiliated with the Study Site and one hundred and twenty-three (123) from within 0.25 km of the Study Site. The record associated with the Study Site was an ERIS Historical Search record. Records of significance have been summarized below, with the full EcoLog ERIS report located in Appendix D.

Municipal Address	Company	EcoLog ERIS Record	Description	Distance (m) from Study Site	PCA and/or APEC to Study Site
871 Niagara Street	403761 Ontario Ltd.	EXP	1992; Expired fuel service facility	60 m west	PCA not resulting in an APEC
		PRT	1993; Retail fuel tank, 21,007 L capacity		

EXP = List of TSSA Expired Facilities, PRT = Private and Retail Fuel Storage Tanks

3.3 Physical Setting

3.3.1 Aerial Photographs

Aerial photographs from 1934, 1954/1955, 1965, 1971, 1983, 1989, 1994, 2006, 2009, 2013, and 2018 were examined and revealed that the Study Site was agricultural/undeveloped in 1934, residential from 1954 to the late 2000's, and vacant (no buildings) from 2013 to present day. The Study Area was a mix of residential, commercial and undeveloped (wooded) lots. Aerial photographs are contained in Appendix E, with brief summaries provided below.

Date	Comments
1934	The north portion of the Study Site appears to be heavily wooded at this time. The remainder of the site is developed for agricultural purposes (field crops). Adjacent sites appear agricultural and undeveloped as well. Very few developments appear within the study area (being farm houses).
1954/55	In the 1954/55 air photo, more developments are emerging along Niagara Street within the study area (mostly single-family residential dwellings). Some commercial developments are also evident. The Study Site appears developed for residential purposes with a dwelling located near the front (west) portion of the property. The current <i>Timber Mart</i> site at 920 Niagara St., north of the Study Site, is developed for a lumber yard at this time. The north and east portions of the Study Site appear wooded. Surrounding sites within the study area still appear undeveloped or agricultural.
1965, 1971	The 1965 and 1971 air photos indicate a second dwelling and garage located at the site (one (1) at 858 Niagara St and one (1) at 862 Niagara St.), including a driveway to a rear garage. Some development is also evident within the north adjacent woodlot site. West and south adjacent sites (across Niagara St) appear developed for single-family residential dwellings. A commercial site is developed northwest of the Study Site across Niagara St, presumably <i>Northside Dairy</i> . Auto services appear north of the Study Site at the corner of Quaker Road and Niagara Street. No other changes are noted for the study area.

Date	Comments
1983, 1989, 1994	Due to the scale of these air photos, no details are shown specifically for the Study Site. No major changes appear from the 1971 air photo to the 1983 photo. Lancaster Drive has been constructed with the large residential apartment building complete south of the Study Site. No dwellings appear at the south adjacent site. The Seaway Mall is also completed at this time. The west adjacent site, across Niagara St, appears developed for a commercial plaza in the 1989 air photo. No other changes are noted for the study area.
2006	Details from the 2006 air photo highlight two (2) driveways from Niagara Street onto the site with two (2) residential dwellings. A garage is located at 862-A Niagara St., presumably associated with the 862 Niagara St. residence. Some miscellaneous debris appears throughout the west half of the site (cars, sea-cans, boats, etc.) with the east half being a thick woodlot. Surrounding land use appears the same as present day.
2009	The residential dwelling and garage associated with 862 and 862-A Niagara Street were demolished sometime between 2006 and 2009. No remnants of the structures remain or debris from the tenants. One (1) residential dwelling is still present at 858 Niagara Street. No other changes are noted.
2013, 2018	The remaining residence was demolished, leaving no structures on-site in the 2013 or 2018 air photo. The east half of the site is still wooded and the west half is mainly grass covered. No other changes are noted for the study area.

3.3.2 Topography, Hydrology, Geology

Topography

Ontario Base Map was reviewed for the Phase One study area. The geodetic ground surface elevation of the site is approximately 176.81 meters above sea level (masl). The Study Site had a very minor slope from the site entrance (along Niagara Street) to the rear of the property (west to the east). The overall study area slope is approximately 1% east.

Geology and Physiography

Review of the maps “*Quaternary Geology of Niagara-Welland*” (Ontario Geological Survey Map 2556), and *Bedrock Geology of Ontario* (Ontario Geological Survey Map 2544) indicated that the subject site overburden was glaciolacustrine sand and clay plains. The overburden was underlain by bedrock noted as limestone / dolostone of the Salina formation. The approximate depth to bedrock, as documented from surrounding well records, is approximated between 27 and 31 mbgs (metres below ground surface).

Hydrology:

The depth to the water table is not specifically known for the site. Surface water drainage would be into catch basins along Niagara Street and swales towards the east adjacent community park. The overall groundwater flow for the Study Area is inferred as east-northeast towards the Welland River. The site is noted to be within the Tow Path Drain Sub-Watershed of the Central Welland River Watershed.

3.3.3 Fill Materials

No fill materials were noted during site reconnaissance or through historical documents research, including site interview.

3.3.4 Water Bodies and Areas of Natural Significance

No water bodies and/or areas of natural significance are located on or adjacent to the Study Site. The Welland River is located approximately 930 m east of the site.

3.3.5 Well Records

A review of the water well records from Ontario Oil, Gas & Salt Resources Library as well as the Ministry of the Environment, Conservation and Parks (MECP) well records revealed no relevant data pertaining to the Study Site, however, nine (9) records were available from within the study area (250 m radius). Each record can contain information pertaining to date of installation, well use, type of stratigraphy encountered and groundwater levels. The stratigraphy was described as follows:

Well ID: 7169021	
Location: Approximately 250 m north from Study Site	
Depth (mbgs)	Stratigraphy
0 – 18.28	Brown CLAY
18.28 – 27.13	Red CLAY
27.13 – 30.48	Red CLAY with gravel boulders
30.48 – 36.57	Grey LIMESTONE BEDROCK

mbgs = meters below ground surface

Details of the well records are located in Appendix F.

3.4 Site Operating Records

There were no applicable site operating records available for review.

4.0 INTERVIEW

Mr. John Lally was not available during site reconnaissance on July 24th, therefore, a follow-up interview was conducted with Mr. Lally, current owner of the Phase One ESA property on July 30th, 2019. The information gathered from the interviewed party is considered accurate and is consistent with the historical records review for the Phase One ESA property and adjacent sites. The following is a summary of the information provided to Hallex:

- The site is currently owned by Lally Homes Ltd. which is operated by Mr. John Lally.
- Proposed site development plans include mixed commercial/residential use with commercial units on the ground floor and residential units above.
- Mr. Lally bought the property when the former dwellings were already removed/demolished.
- The site is serviced by municipal water and sewer.
- There have not been any previous environmental studies conducted at the Study Site that Mr. Lally was aware of (Phase One ESA, Phase Two ESA, Remediation, Designated Substance Survey).

5.0 SITE RECONNAISSANCE

5.1 General Requirements

The site investigation took place on July 24th, 2019 at approximately 10:00 am and was conducted by Hallex staff member Jade Anema, *Project Coordinator*. The Phase One property is not considered an Enhanced Investigation Property (EIP). The weather conditions during site reconnaissance were clear and sunny. Only the western half of the Phase One property was accessible due to thick woodlot within the eastern half.

5.2 Specific Observations at Phase One Property

The purpose of the site reconnaissance was to identify any PCAs and/or APECs that could present the potential for contaminant sources available for migration via air, surface drainage, soil, and/or groundwater flow to human and/or ecological receptors. A photo log highlights the site in addition to surrounding land uses and is provided in Appendix G. Findings are summarized below and discussed further where necessary. Site layout is illustrated in Figure 3, including annotation to the photographs taken during site reconnaissance.

5.2.1 Grounds Observations

- There are currently no buildings on site.
- The Study Site includes three (3) separate addresses (858, 862, 862-A Niagara Street).
- No evidence of former ASTs/USTs were found on-site.
- Below-ground structures and utilities were unknown at the time of site reconnaissance, including the type and locations of water, sewer, electrical, gas, etc.
- There were no potable groundwater sources (ie. wells) located at the Study Site. The Study Site and study area are serviced by municipal water and sewer.
- No stressed vegetation was noted on-site.
- The ground cover at the Site consisted of grass/weeds, and asphalt driveways within the west half of site, and a thick wood lot in the east half of site. No staining was observed.
- No fill materials were noted on-site.
- The site occupies an area of approximately 0.93 ha (total).

Exterior Focus Items	Exterior Location / Description
Storage tanks (AST/UST)	None observed.
Wells	None observed
Wastewater	Municipal
Pits and lagoons	None observed
Stained materials	None observed
Stressed vegetation	None observed
Fill	None observed
Surface Water	None observed, overland flow towards Niagara St catch basins
Watercourses, ditches, standing water	None observed
Equipment	None observed
Debris	None observed
Chemical storage	None observed

5.3 Surrounding Properties in the Phase One ESA Study Area

Description	Current Use	Past Use	Source used
Adjacent/ Surrounding Properties:	<p>North: Commercial (Comfort Inn) and Community (Park)</p> <p>South: Commercial (Tim Hortons, plaza)</p> <p>East: Community (Park)</p> <p>West: Commercial (plaza) across Niagara Street</p>	<p>North: Commercial (motel), agricultural prior</p> <p>South: Residential (single family dwellings), agricultural prior</p> <p>East: Undeveloped, agricultural prior</p> <p>West: Commercial (plaza) across Niagara Street</p>	Historical document research, aerial photos and site investigation (July 2019).

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses – Subject Site

The historic documents research and site reconnaissance revealed the Study Site had been developed for agricultural purposes visible in 1934 air photo, and residential from at least 1954 to the late 2000’s, with the sites sitting vacant from 2013 present day.

6.2 Potentially Contaminating Activities

Analysis of the historical research and information gathered during site reconnaissance, was used to determine if there were any PCAs, current or historic, found on-site and/or within the Study Area that may have resulted in creating an on-site APEC. PCA’s within the study area are depicted in Figure 4.

6.2.1 Historical On-site PCAs

No historical PCA’s were identified at the Study Site.

6.2.2 Recent On-site PCAs

No recent PCA’s were identified at the Study Site.

6.2.3 Adjacent Sites PCAs

No PCAs were identified at adjacent sites to the Phase One property.

6.2.4 Study Area PCAs

Five (5) PCAs were noted within 250 m of the Study Site, however it is unlikely that any contaminants migrating off-site would present an on-site APEC at the Study Site due to the distance to the site and interpreted groundwater flow direction. Further details regarding these properties are provided below.

Business Type	PCA (Schedule D)	Address	Reason for discounting
Auto Service	PCA-1: #28 – Gasoline and Associated Products Storage in Fixed Tanks	871 Niagara Street	<ul style="list-style-type: none"> • 60 m west of Study Site • Inferred east-northeast groundwater flow direction for study area • Preferential pathways would be taken within the utility corridors in the roadway (Niagara Street) • Low permeable soils inferred within the study area (clay) • Exact location of the pumps or tanks are unknown

Business Type	PCA (Schedule D)	Address	Reason for discounting
Muffler Man	PCA-2: #10 – Commercial Autobody Shop	824 Niagara Street	<ul style="list-style-type: none"> • 132 m south of Study Site • Preferential pathways would be taken within the utility corridors in the roadway (Lancaster Drive)
Petro Canada	PCA-3: #28 – Gasoline and Associated Products Storage in Fixed Tanks	935 Niagara Street	<ul style="list-style-type: none"> • 300 m northwest of Study Site • Inferred east-northeast groundwater flow direction for study area
Auto Service	PCA-4: #28 – Gasoline and Associated Products Storage in Fixed Tanks	934 Niagara Street	<ul style="list-style-type: none"> • 288 m north of Study Site • Inferred east-northeast groundwater flow direction for study area
Timber Mart Lumber Supplies	PCA-5: #28 – Gasoline and Associated Products Storage in Fixed Tanks	920 Niagara Street	<ul style="list-style-type: none"> • 228 m north of Study Site • Inferred east-northeast groundwater flow direction for study area

Other land uses within the study area North, South, East, and West of the Study Site did not exhibit visible items of concern that would constitute PCAs relevant to the subject site regarding potential for impact to soil and/or groundwater.

6.3 Areas of Potential Environmental Concern

None of the previously described PCAs were determined to create on-site APECs with the potential to impact the Phase One Study Site’s soil, groundwater, and/or sediment.

The Phase One research is considered valid with no absence of information and was completed in full and considered accurate in determining APECs located on-site.

6.4 Phase One Conceptual Site Model

The conceptual site model qualitatively considers the potential interaction of primary sources of environmental concern, with suspected contaminants of concern, and the pathway(s) and exposure route(s) to the receptors. No target contaminants were identified with potential migration pathways to human and/or biota receptors; therefore, a conceptual site model was deemed unnecessary.

7.0 CONCLUSIONS & RECOMMENDATIONS

Hallex Environmental Ltd. was retained by Lally Homes Ltd. to conduct a Phase One Environmental Site Assessment (ESA) of the properties located at 858-862 Niagara Street, Welland, ON. The objectives of the Phase One ESA were an investigation of the subject property and adjacent lands conducted in accordance with O. Reg. 153/04 as amended, and under the supervision of a Qualified Person in order to determine the likelihood that one or more contaminants may have affected any land and/or water on, in or under the property.

Potentially Contaminating Activities (PCAs), and contaminants or materials of potential concern, if revealed on-site, or at properties located within a 250 m radius of the site, were evaluated as to whether they generated 'Areas of Potential Environmental Concern' (APECs). PCAs are itemized in Schedule D Table 2 of O. Reg 511/09. APECs, if identified, were individually evaluated whether they were triggers for additional investigation via a Phase Two ESA.

PHASE ONE ESA SCOPE OF INVESTIGATION

The Phase One ESA scope of investigation included review of historical background information via examination of:

- Fire Insurance Plans;
- Vernon's City Directory Search;
- Environmental Risk Information System (EcoLog ERIS);
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology;
- Aerial photographs; and
- Water well records from Ontario Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks.

A site reconnaissance was completed to observe site grounds, on-site structures (if applicable), and adjacent properties in order to identify PCAs and APECs. This information was utilized to formulate a preliminary Conceptual Site Model regarding potential contaminants, contaminant migration pathways, and human and/or ecological receptors at the site.

PHASE ONE ESA FINDINGS

1. The Phase One ESA findings **did not** reveal any current or historical activities on-site or at adjacent sites that resulted in Areas of Potential Environmental Concern at the Study Site with the potential to have impacted the soil and/or groundwater.
2. Five (5) PCAs were noted within 250 m of the Study Site, however it is unlikely that any contaminants migrating off-site would present an on-site APEC at the Study Site due to the distance to the site and interpreted groundwater flow direction.

RECOMMENDATIONS

A Phase Two ESA of subsurface soil and/or groundwater conditions is **not required** and the site is suitable for planned development and continued residential land use as per O. Reg. 153/04 as amended.

8.0 AUTHORS

Hallex Environmental Ltd. has conducted this Phase One Environmental Site Assessment as permitted by Hallex Certificate of Authorization (#90252). The following employees authored the report:

Jade Anema - Ms. Jade Anema, MBA, B. Eng, CAPM, E.I.T, was the Project Coordinator for the project. Ms. Anema conducted the research for this report. Jade Anema recently graduated with a Bachelor of Environmental Engineering and has over three years of environmental project experience including work on Phase One & Two Environmental Site Assessments, Records of Site Condition Filing, Environmental Compliance Approvals, Designated Substances and Hazardous Materials Surveys, Site Investigations, and Remediation Studies.

Jodie Glasier - Mrs. Jodie Glasier, B.A.(Hons), PD-EMA, M.MM, EP, is a Project Manager with over ten + years of diverse environmental project experience including work on Phase One & Two Environmental Site Assessments, Records of Site Condition Filing, Environmental Compliance Approvals, Designated Substances and Hazardous Materials Surveys, Site Investigations, Remediation Studies, and Environmental Planning.

Kevin Christian - Mr. Kevin Christian, M.Sc., P.Geo., a Professional Geoscientist (#0387) registered with the Association of Professional Geoscientists of Ontario, and a Qualified Person (Environmental Site Assessment & Risk Assessment) as per Ontario Regulations 153/04 and 511/09, has thirty-two years of experience in the environmental geoscience consulting industry.

9.0 REFERENCES

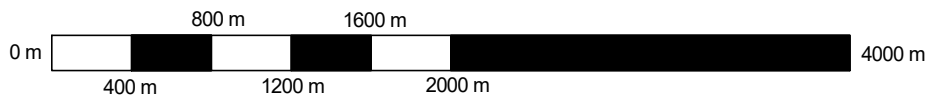
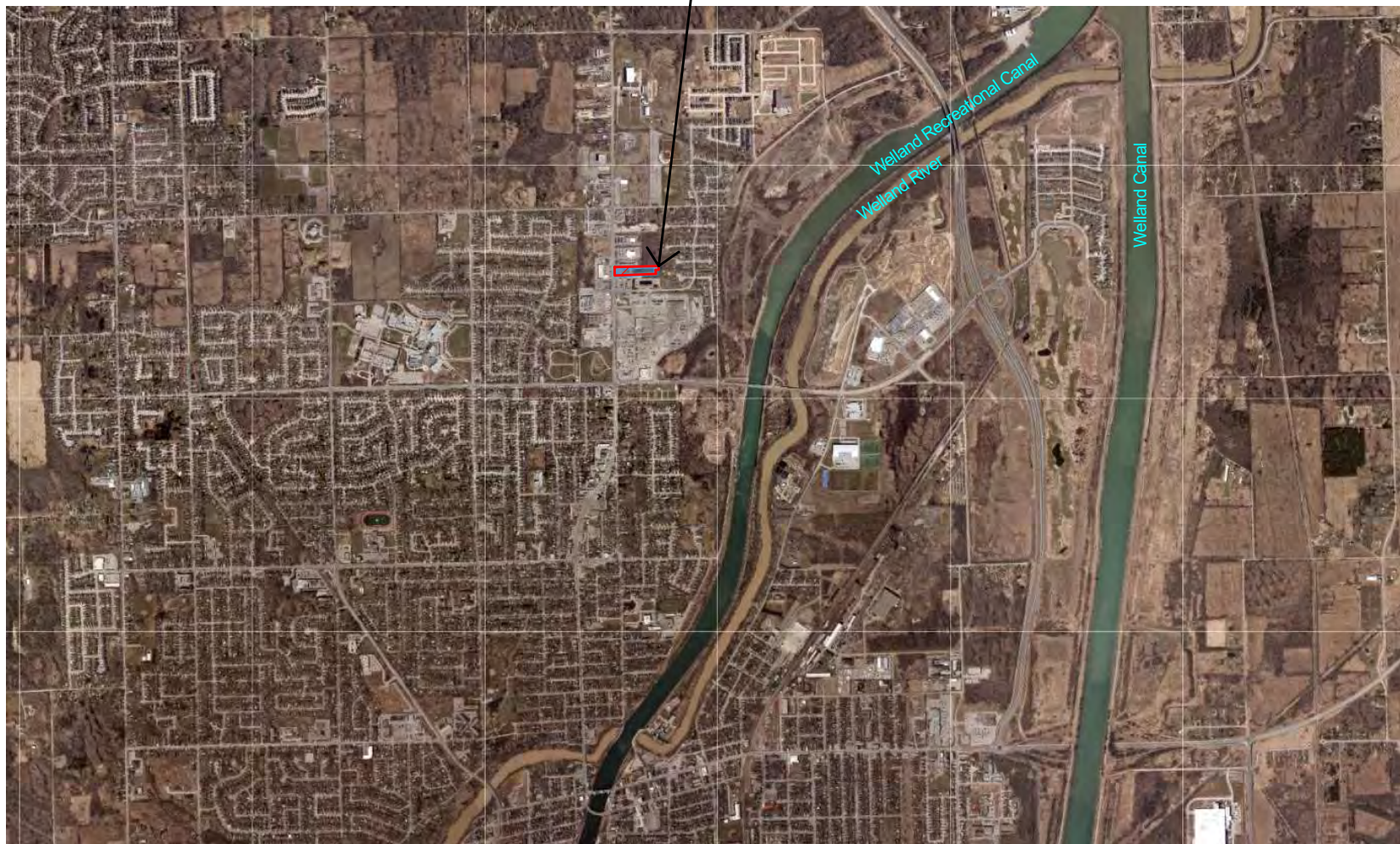
The following reports, documents and databases were reviewed for the completion of this Phase One ESA.

- EcoLog ERIS
- Brock University Map Library
- City of Welland Insurance Plans
- City of Welland Vernon's City Directories
- Brock University Special Collections Library
- National Pollutant Release Inventory (NPRI) database www.ec.gc.ca.
- Ontario Inventory of PCB Storage Site October 1991, Ministry of the Environment, January 1992.
- Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume II; MOE, 1987
- Ontario Oil, Gas, and Salt Resources Library, www.ogsrlibrary.com.
- Waste Disposal Site Inventory, Ministry of the Environment, 1991.
- Niagara Peninsula Conservation Authority (NPCA) Watershed Explorer;
<https://npca.ca/conservation#conservation-watershed>
- Search Record of Site Condition, Ontario Ministry of Environment, Conservations and Parks;
https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/searchFiledRsc_search?request_locale=en
- Environmental Registry: Search Certificate of Property Use; <https://www.ebr.gov.on.ca/ERS-WEB-External/searchNotice.do>
- Ministry of Natural Resources (ANSIs) mapping;
https://www.gisapplication.lrc.gov.on.ca/matm/Index.html?viewer=Make_A_Topographic_Map.MATM&locale=en-US
- Search Access Environment for Environmental Compliance Approvals;
<http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&language=en>

FIGURES

- Figure 1: Site Location
- Figure 2: Adjacent Land Uses
- Figure 3: Site Layout
- Figure 4: Potentially Contaminating Activities

Study Site



Legend

 Study Site

Client

Lally Homes Ltd.

Project

Phase One ESA
858-862 Niagara St.,
Welland, ON

Figure Name

Site Location

Project
E-19-11-1

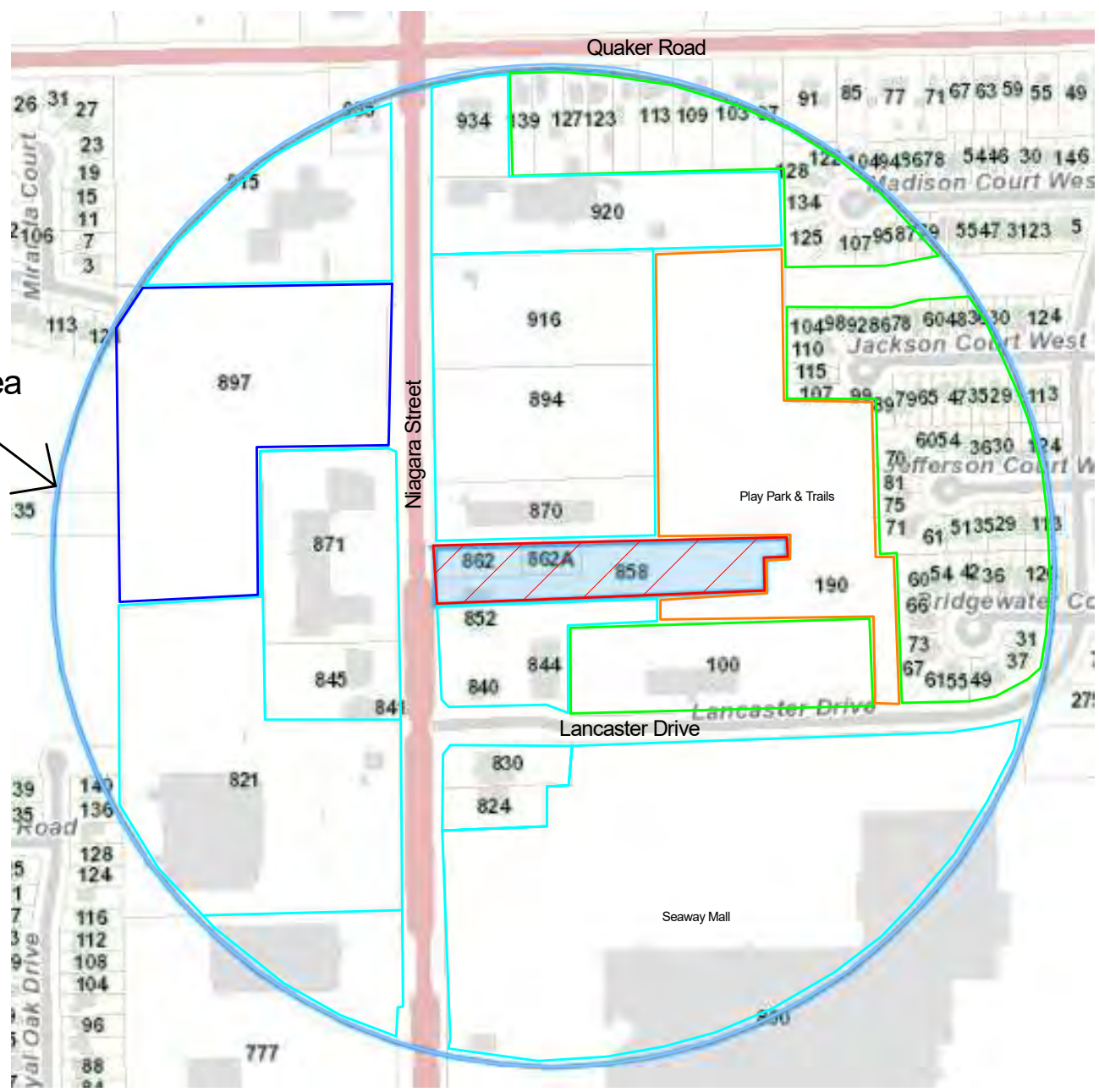
Date
July 2019

Drafted: J.Anema
Reviewed: KC

Figure

1

Study Area



Legend

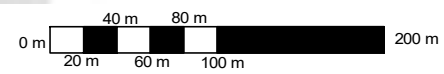
- Phase One Property
- Residential Use
- Vacant Land
- Commercial Use
- Community Use

Client
Lally Homes Ltd.

Project
Phase One ESA
858-862 Niagara St.,
Welland, ON

Figure Name
Site Layout and
Adjacent Land
Use

Project E-19-11-1	Figure 2
Date July 2019	
Drafted: J.Anema	
Reviewed: KC	





Niagara Street

Transformer



Legend

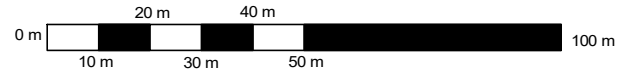
- Phase One Property
- Property Boundaries
- # Photo Log Reference
- Arrow point indicates direction of photo taken
- Fenceline

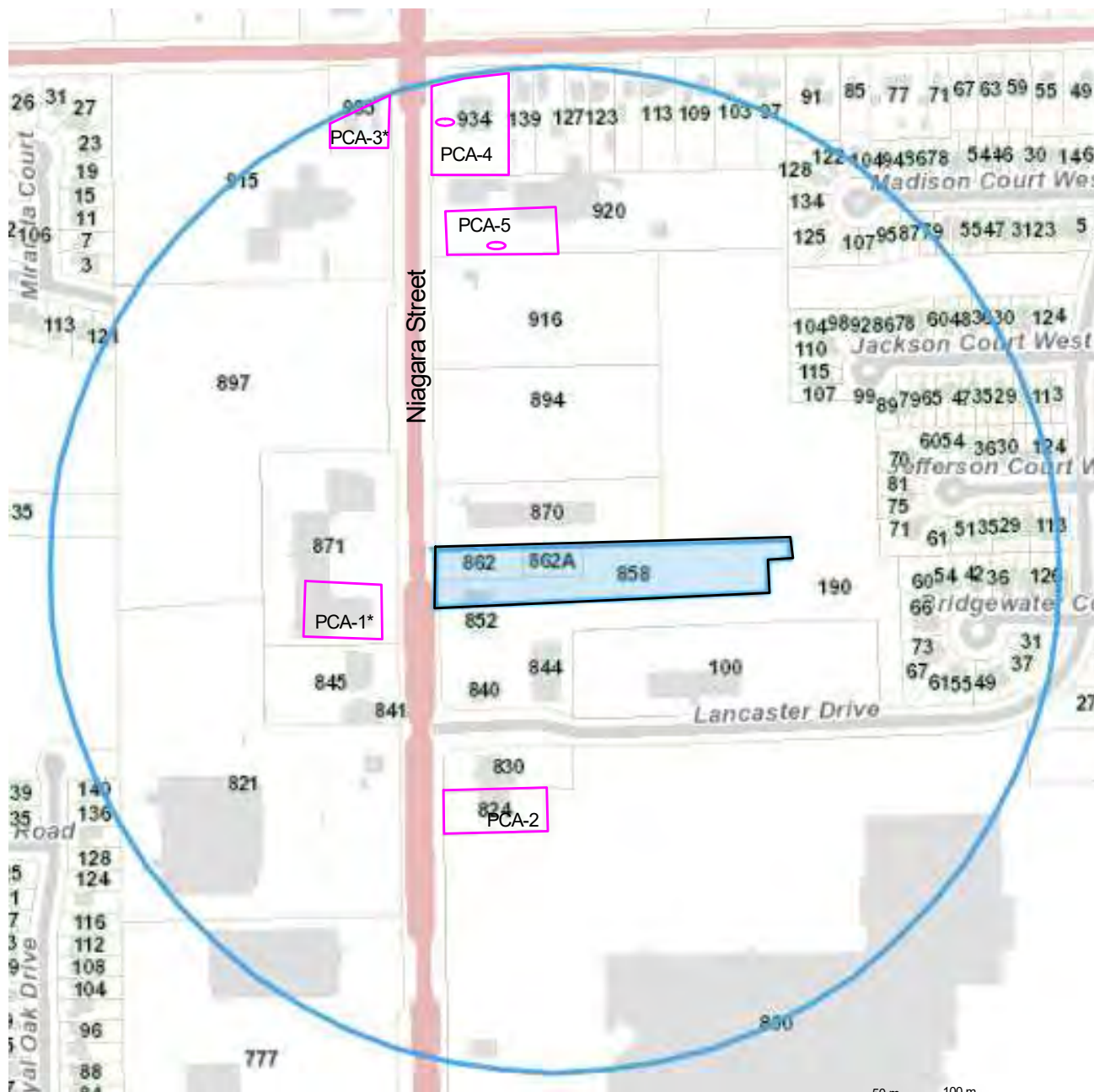
Client
Lally Homes Ltd.

Project
Phase One ESA
858-862 Niagara St.,
Welland, ON

Figure Name
Site Layout

Project E-19-11-1	Figure 3
Date July 2019	
Drafted: J. Anema	
Reviewed: KC	





Inferred Groundwater
Flow Direction



Legend

- Phase One Property
- PCA-#
- PCA-1: Historic UST(s)
- PCA-2: Autobody Shop
- PCA-3: USTs
- PCA-4: Historic USTs
- PCA-5: Historic UST
- * Unknown storage tank location

No PCAs result in APECs

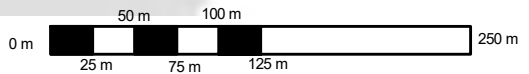
- Historic UST
- Interpreted Local Groundwater Flow

Client
Lally Homes Ltd.

Project
Phase One ESA
858-862 Niagara St.,
Welland, ON

Figure Name
Potentially
Contaminating
Activities within
Study Area

Project E-19-11-1	Figure 4
Date July 2019	
Drafted: J.Anema Reviewed: KC	

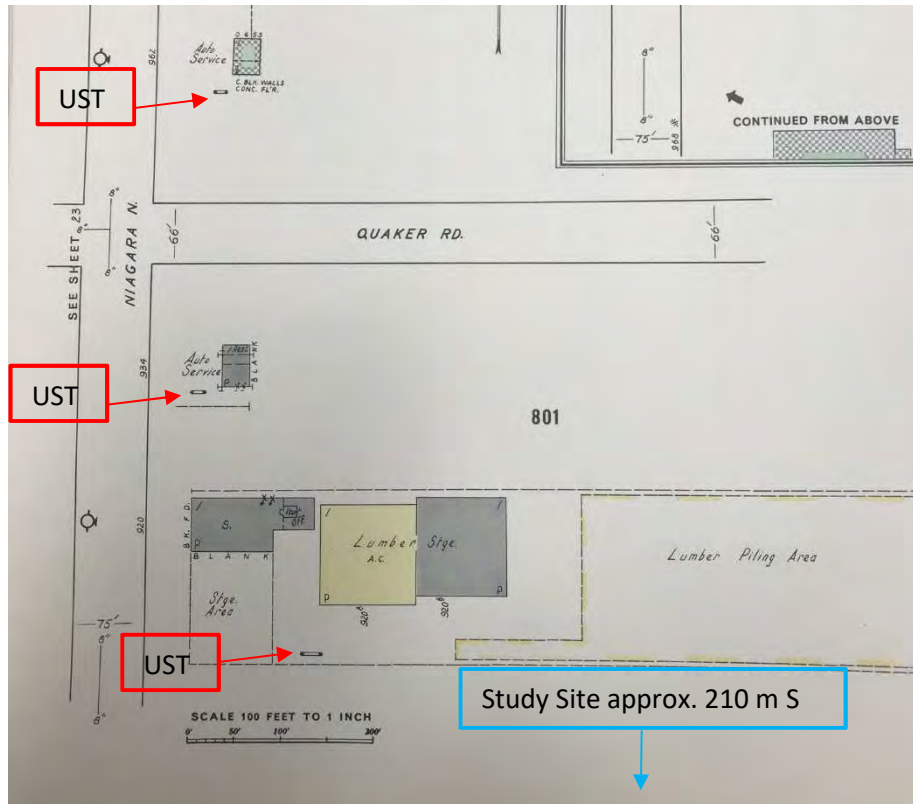


Appendix A:
Fire Insurance Plans

Fire Insurance Plans

One (1) Fire Insurance Plan for the study area was available at Brock University from the Special Collections library, dated 1965. This plan did not depict the study site, but covered some sites within the study area. Further details are provided below.

1965



One (1) UST was noted approximately 210 m north of the study site at a lumber yard. Two (2) more USTs were shown at auto service stations outside of the study area, located at 934 Niagara Street North (approx. 279 m north of site), and at 968 Niagara Street North (approx. 380 m north of site). All USTs and auto service shops are considered PCAs, however, none result in an Area of Potential Environmental Concern (APEC) to the study site's soil and/or groundwater due to distance to site.

Appendix B:
Vernon's City Directory

Vernon's City Directory Search

Vernon's City Directories were available for the City of Welland dating from 1921 – 2013; however, the study site was only listed from 1970-2013. The 1960 Directory did not record addresses north of Thorold Road. Details from the City Directory search are provided below.

Date	Location Description	Address	Property Name
2013	Niagara Street		
		800	Seaway Mall
		824	Muffler Man
		840	First Ontario Financial
		844	Commercial Plaza (nails, doctor, convenience, etc.)
		852	Tim Hortons
		858	No Return
		862	No Return
		870	Comfort Inn
		894	Welland Toyota
		916	Ravenda Homes
		920	Timber Mart
		934	Boston Pizza
		821	Zehrs
		825-833	Vacant
		845	TD Bank
		871	Commercial Plaza (vacuums, signs, restaurant)
		915	David's Chevrolet
		935	Petro Canada
	Lancaster Drive		
		100	Doral Towers (residential apartments)
		190	Not Listed
2009	Niagara Street		
		858	Duquett, S
		862	Duquett, S
2006	Niagara Street		
		858	Duquett, M
		862	No Return
2000-01	Niagara Street		
		800	Seaway Mall (Yazz Dry Cleaners)
		824	Muffler Man
		840	First Ontario Financial
		846	No Return
		858	Duquett, M
		862	No Return
		870	Comfort Inn
		916	Ravenda Homes
		920	DeSmit Lumber & Building Supplies
		934	Prime Fuels
		871	Commercial Plaza (vacuums, restaurant, Atkins Auto)
		915	Dauids Chevrolet
		935	Doug Fralic's Sunoco

Date	Location Description	Address	Property Name
	Lancaster Drive		
		100	Doral Towers (residential apartments)
		190	Not Listed
1990	Niagara Street		
		800	Seaway Mall (Manor Cleaners)
		824	Muffler Man
		846	No Return
		858	No Return
		862	Wilson, M
		862-A	No Return
		920	DeSmit Lumber & Building Supplies
		934	Dominion Propane, Beleny Vic Garage
		777	Canadian Tire Gas Bar
		824-845	No Return
		871	Commercial Plaza (vacuums, restaurant, Hilltop Gas Bar)
		915	Brian's Chevrolet-Oldsmobile
		935	Niagara Street Sunoco
	Lancaster Drive		
		100	Doral Towers (residential apartments)
		190	Not Listed
1980	Niagara Street		
		800	Seaway Mall (Peninsula Dry Cleaners)
		824	Vacant
		830	Residential
		846	Residential
		858	Leeuwenburg, J
		862	Faucher, R
		862-A	Hefner, O
		920	DeSmit Lumber & Building Supplies
		934	Vacant
		777	Canadian Tire Gas Bar
		803	Leons
		825	Residential
		829	Windfield Gallery
		833-845	Residential
		851	Plains Motor Sales
		855-857	Residential
		871	Northside Dairy
		915	Vacant
		935	Berts Sunoco
	Lancaster Drive		
			Street Not Listed
1970	Niagara Street		
		792-854	Residential
		858	Borsodi, M
		862	Faucher, R
		862-A	Highey, W
		868-892	Residential

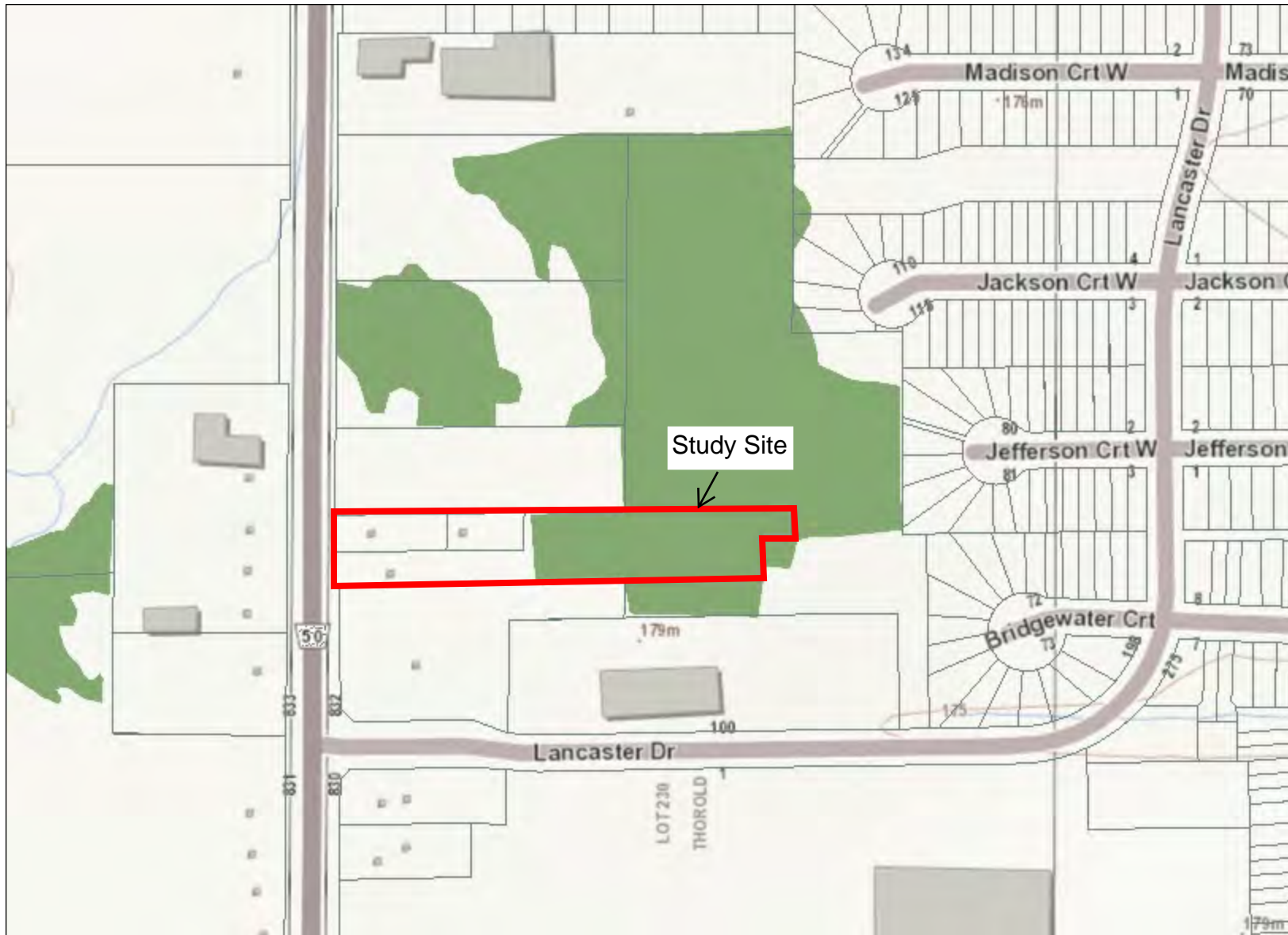
Date	Location Description	Address	Property Name
		920	DeSmit Lumber & Building Supplies
		934	Gulf Oil Service Station
		777	Canadian Tire Gas Bar
		803	Leons
		815-845	Residential
		851	Plains Motor Sales
		855-857	Residential
		871	Fulog Plumbing and Heating
		Ws	Vacant

Notes:

- ws: west side.
- Highlighted properties indicate study site.
- Red text indicates a Potentially Contaminating Activity

Appendix C:

Ministry of Natural Resources: Natural Heritage Map



Legend

-  Assessment Parcel
-  Woodland
-  Conservation Reserve
-  Provincial Park
-  Natural Heritage System
-  Ecoregion

- Wetland**
-  Provincially Significant Wetland Evaluated
-  Non - Provincially Significant Wetland Evaluated
-  Unevaluated Wetland

- Area of Natural Heritage & Scientific Interest (ANSI)**
-  Provincially Significant Life Science ANSI
-  Provincially Significant Earth Science ANSI

- Greenbelt Plan**
-  Boundary
-  River Valley Connections
- Land Use Designations**
-  Protected Countryside
-  Towns and Villages
-  Hamlets
-  Urban River Valley
-  Specialty Crop Area

- Niagara Escarpment Plan (NEP)**
-  Boundary
-  Parks and Open Space System
- Land Use Designations**
-  Escarpment Natural Area
-  Escarpment Protection Area
-  Escarpment Rural Area
-  Mineral Resource Extraction Area
-  Escarpment Recreation Area
-  Urban Area
-  Minor Urban Centre

- Oak Ridges Moraine Conservation Plan (ORM)**
-  Boundary
- Land Use Designations**
-  Natural Core Area
-  Natural Linkage Area
-  Countryside Area
-  Rural Settlement
-  Paigrove Estates Residential Community
-  Settlement Area

0.2 0 0.08 0.2 Kilometers



This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry(OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

Imagery Copyright Notices: DRAPE © Aéro-Photo (1961) Inc., 2008 - 2009
GTA 2005 / SWOOP 2006 / Simcoe-Muskoka-Dufferin © FirstBase Solutions, 2005 / 2006 / 2008
© Copyright for Ontario Parcel data is held by Queen's Printer for Ontario and its licensors [2013] and may not be reproduced without permission. THIS IS NOT A PLAN OF SURVEY.



Appendix D:

EcoLog ERIS



DATABASE REPORT

Project Property: *Phase One ESA - 858-862 Niagara Street,
Welland, ON
858-862 Niagara Street
Welland ON L3C 1M4*

Project No: *E-19-11-1*

Report Type: *Standard Report*

Order No: *20190715190*

Requested by: *Hallex Environmental Ltd.*

Date Completed: *July 22, 2019*

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.....	17
Map.....	31
Aerial.....	32
Topographic Map.....	33
Detail Report.....	34
Unplottable Summary.....	102
Unplottable Report.....	104
Appendix: Database Descriptions.....	114
Definitions.....	123

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report(s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: *Phase One ESA - 858-862 Niagara Street, Welland, ON
858-862 Niagara Street Welland ON L3C 1M4*

Project No: *E-19-11-1*

Coordinates:

Latitude: *43.018813*
Longitude: *-79.248582*
UTM Northing: *4,764,392.34*
UTM Easting: *642,713.22*
UTM Zone: *UTM Zone 17T*

Elevation: *580 FT
176.81 M*

Order Information:

Order No: *20190715190*
Date Requested: *July 15, 2019*
Requested by: *Hallex Environmental Ltd.*
Report Type: *Standard Report*

Historical/Products:

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	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	1
CA	Certificates of Approval	Y	0	8	8
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	3	3
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	12	13
EIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	2	2
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	56	56
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	1	1
NPRI	National Pollutant Release Inventory	Y	0	1	1
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	2	2
OPCB	Inventory of PCB Storage Sites	Y	0	3	3
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	18	18
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCOT	Scott's Manufacturing Directory	Y	0	1	1
SPL	Ontario Spills	Y	0	6	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	6	6
Total:			1	123	124

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>
1	EHS		858 and 862 Niagara Street Welland ON L3C 1M4	NNW/5.4	-0.01	34

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	EHS		870 Niagara Street North Welland ON	NNW/36.8	-0.02	34
3	WWIS		lot 231 ON Well ID: 6602952	W/117.4	0.04	34
4	EHS		100 Lancaster Drive Welland ON L3C 6M1	SE/130.5	-0.97	38
5	BORE		ON	N/140.6	-0.87	38
6	CA	HARVEY'S SWISS CHALET	830 NIAGARA ST. WELLAND ON L3C 1M3	SSW/141.0	1.03	40
6	EHS		830 Niagara St Welland On Welland ON L3C1M3	SSW/141.0	1.03	41
7	WWIS		ON Well ID: 7240005	WSW/143.1	0.03	41
8	OOGW	John DeSmit #1	Thorold ON Licence No: F013372	N/144.9	-0.50	41
9	SPL	MACLAWN SPRAY LTD.	NIAGARA ST & LANCASTER BLVD. BEHIND HARVEY'S MOTOR VEHICLE (OPERATING FLUID) WELLAND CITY ON	SW/145.4	1.02	42
10	WWIS		lot 231 ON Well ID: 6601897	SW/153.5	1.06	43
11	WWIS		lot 239 ON Well ID: 6601900	NNW/161.9	0.04	45
12	CA	Treschak Enterprises Ltd.	871 Niagara Street, Unit No. 3, Lot 231 Welland ON	W/164.1	0.18	48

<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>
12	EBR	Treschak Enterprises Ltd.	871 Niagara Street, Unit No. 3, Lot 231 Welland Ontario L3C 6Y1 Welland ON	W/164.1	0.18	48
12	ECA	Treschak Enterprises Ltd.	871 Niagara Street, Unit No. 3, Lot 231 Welland ON L3C 6Y1	W/164.1	0.18	48
12	EXP	403761 ONTARIO LTD	871 NIAGARA ST WELLAND ON K0E 1L0	W/164.1	0.18	49
12	GEN	TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON	W/164.1	0.18	49
12	GEN	Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON	W/164.1	0.18	49
12	GEN	TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	W/164.1	0.18	49
12	GEN	Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON L3C6Y1	W/164.1	0.18	50
12	GEN	TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	W/164.1	0.18	50
12	GEN	Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON L3C6Y1	W/164.1	0.18	50
12	GEN	Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON L3C6Y1	W/164.1	0.18	51
12	GEN	TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	W/164.1	0.18	51
12	PRT	403761 ONTARIO LTD	871 NIAGARA ST PRT LOT 231 WELLAND ON	W/164.1	0.18	51
13	WWIS		lot 231 ON	W/169.9	0.18	51

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 6601898			
14	EASR	SKYLINE REAL ESTATE LIMITED PARTNERSHIP	100 LANCASTER DR WELLAND ON L3C 6M1	ESE/179.8	-0.97	54
14	EHS		100 Lancaster Dr Welland ON L3C6M1	ESE/179.8	-0.97	54
14	EHS		100 Lancaster Dr Welland ON L3C6M1	ESE/179.8	-0.97	55
15	OOGW	E.J. Wilson (Gainer)	Thorold ON Licence No: F013374	NW/204.3	0.01	55
16	WWIS		lot 230 ON Well ID: 6601894	NNE/214.2	-0.97	55
17	CA	LOBLAW PROPERTIES LIMITED	NIAGARA ST./ROYAL OAK DR. WELLAND CITY ON	SW/217.4	1.03	59
17	CA	LOBLAW PROPERTIES LIMITED	NIAGARA STREET NORTH (SWM) WELLAND CITY ON	SW/217.4	1.03	59
17	CA	LOBLAW PROPERTIES LIMITED	NIAGARA ST., PT.LOT 231 WELLAND CITY ON	SW/217.4	1.03	59
17	CA	LOBLAW PROPERTIES LIMITED	821 NIAGARA ST., PT.LOT 231 WELLAND CITY ON L3C 1M4	SW/217.4	1.03	59
17	EHS		821 Niagara St. Welland ON L3C 1M4	SW/217.4	1.03	60
17	GEN	Loblaw Companies Limited	821 Niagara St. N. Welland ON L3C 1M4	SW/217.4	1.03	60
17	GEN	Loblaw Companies Limited	821 Niagara St. N. Welland ON L3C 1M4	SW/217.4	1.03	61
17	GEN	LOBLAWS INC.	821 Niagara St. N. Welland ON L3C 1M4	SW/217.4	1.03	61

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
17	GEN	LOBLAWS INC.	821 Niagara St. N. Welland ON L3C 1M4	SW/217.4	1.03	63
17	PES	ZEHR'S MARKETS #550	821 NIAGARA ST N WELLAND ON L3C1M4	SW/217.4	1.03	64
17	PES	ZEHR'S MARKETS #550	821 NIAGARA ST N WELLAND ON L3C1M4	SW/217.4	1.03	64
17	PES	ZEHR'S MARKETS #550	821 NIAGARA ST N WELLAND ON L3C 1M4	SW/217.4	1.03	65
17	PES	ZEHR'S MARKETS 550 O/A LOBLAWS INC.	821 NIAGARA ST N WELLAND ON L3C1M4	SW/217.4	1.03	65
17	PES	ZEHR'S MARKETS #550	821 NIAGARA ST N WELLAND ON L3C1M4	SW/217.4	1.03	66
17	SPL		821 Niagara St. North Welland ON	SW/217.4	1.03	66
17	SPL	Crossroads Refridgeration Limited	821 Niagara St North Welland ON	SW/217.4	1.03	66
17	SPL	Crossroads Refridgeration Limited	821 Niagara Street Welland ON L3C 1M4	SW/217.4	1.03	67
17	SPL	Crossroads Refrigeration Limited	821 Niagara St Welland ON L3C 1M4	SW/217.4	1.03	67
18	EHS		897 Niagara St Welland On Welland ON L3C1M4	WNW/244.1	0.94	68
18	EHS		897 Niagara St Welland ON L3C 1M4	WNW/244.1	0.94	68
19	GEN	BLACK PHOTO CORPORATION	SEAWAY MALL, 800 NIAGARA ST. SUITE JJ6 C/O 371 GOUGH RD. MARKHAM ONT L3R 4B6 WELLAND ON L3C 5Z4	SSE/244.5	0.03	68

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	BLACK PHOTO CORPORATION	SEAWAY MALL, 800 NIAGARA ST. WELLAND C/O 371 GOUGH RD. MARKHAM ON L3C 5Z4	SSE/244.5	0.03	69
19	GEN	BLACK PHOTO CORPORATION	800 NIAGARA STREET SEAWAY MALL WELLAND ON L3C 5Z4	SSE/244.5	0.03	69
19	GEN	BLACK PHOTO CORPORATION 05-205	SEAWAY MALL, 800 NIAGARA ST. - WELLAND C/O 371 GOUGH ROAD MARKHAM ON L3C 5Z4	SSE/244.5	0.03	69
19	GEN	BLACK PHOTO CORPORATION	SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 1M3	SSE/244.5	0.03	70
19	GEN	WAL-MART CANADA INC.	800 NIAGARA STREET NORTH SEAWAY MALL WELLAND ON L3C 1M3	SSE/244.5	0.03	70
19	GEN	WAL-MART CANADA INC.	800 NIAGARA STREET NORTH SEAWAY MALL STORE # 3110 WELLAND ON L3C 1M3	SSE/244.5	0.03	70
19	GEN	WAL-MART CANADA INC.	SEAWAY MALL STORE 3110 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	SSE/244.5	0.03	71
19	GEN	WAL-MART CANADA CORP.	800 NIAGARA STREET NORTH STORE #3110 WELLAND ON L3C 1M3	SSE/244.5	0.03	72
19	GEN	Healthscreen Solutions Inc.	800 Niagara St. Welland ON L3C 5Z4	SSE/244.5	0.03	72
19	GEN	Niagara, Regional Municipality of	800 Niagara Street Welland ON L3C 5Z4	SSE/244.5	0.03	73
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	73
19	GEN	Seaway Mall	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	74

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	74
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	75
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	75
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	76
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	76
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	77
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	78
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON	SSE/244.5	0.03	78
19	GEN	the forzani group	800 niagara st north welland ON	SSE/244.5	0.03	79
19	GEN	Target Canada Co.	800 Niagara Street North Welland ON	SSE/244.5	0.03	79
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON	SSE/244.5	0.03	80
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	80
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	81

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Michael Conte Pharmacy Corp	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE/244.5	0.03	81
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	82
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	83
19	GEN	the forzani group	800 niagara st north welland ON L3C 5Z5	SSE/244.5	0.03	83
19	GEN	FGL SPORTS LIMITED	800 niagara st north welland ON L3C 5Z5	SSE/244.5	0.03	83
19	GEN	Target Canada Co.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	83
19	GEN	Sears Canada	800 Niagara Street N Welland ON L3C 5Z4	SSE/244.5	0.03	84
19	GEN	Mike Morcoux Pharmacy Ltd.	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE/244.5	0.03	85
19	GEN	REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/244.5	0.03	85
19	GEN	Target Canada Co.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	86
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	87
19	GEN	the forzani group	800 niagara st north welland ON L3C 5Z5	SSE/244.5	0.03	87
19	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/244.5	0.03	87

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>19</u>	GEN	Michael Conte Pharmacy Corp	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE/244.5	0.03	<u>88</u>
<u>19</u>	GEN	FGL SPORTS LIMITED	800 niagara st north welland ON L3C 5Z5	SSE/244.5	0.03	<u>88</u>
<u>20</u>	CA	TACO BELL OF CANADA	800 NIAGARA ROAD WELLAND CITY ON	SSE/250.0	0.03	<u>88</u>
<u>20</u>	CA	TACO BELL OF CANADA	800 NIAGARA ROAD WELLAND CITY ON	SSE/250.0	0.03	<u>89</u>
<u>20</u>	EASR	TARGET CANADA CO.	800 NIAGARA ST NORTH WELLAND ON L3C 5Z4	SSE/250.0	0.03	<u>89</u>
<u>20</u>	EASR	TARGET CANADA CO.	800 NIAGARA ST NORTH WELLAND ON L3C 5Z4	SSE/250.0	0.03	<u>89</u>
<u>20</u>	EHS		800 Niagara St N Welland ON L3C 5Z4	SSE/250.0	0.03	<u>89</u>
<u>20</u>	EHS		800 Niagara St. N. Welland ON	SSE/250.0	0.03	<u>90</u>
<u>20</u>	EHS		800 Niagara Street North Welland ON	SSE/250.0	0.03	<u>90</u>
<u>20</u>	EHS		800 Niagara Street North Welland ON	SSE/250.0	0.03	<u>90</u>
<u>20</u>	EXP	WAL MART # 3110 ATTN FRAN DAVID	800 NIAGARA ST WELLAND ON	SSE/250.0	0.03	<u>90</u>
<u>20</u>	GEN	Michael Conte Pharmacy Corp	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE/250.0	0.03	<u>91</u>
<u>20</u>	GEN	Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE/250.0	0.03	<u>91</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
20	GEN	FGL SPORTS LIMITED	800 niagara st north welland ON L3C 5Z5	SSE/250.0	0.03	91
20	NPCB	WAL-MART (SEAWAY MALL)	SEAWAY MALL; 800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/250.0	0.03	91
20	NPRI	ZELLERS	800 NIAGARA Street WELLAND ON L3C5Z4	SSE/250.0	0.03	92
20	OPCB	WAL-MART (SEAWAY MALL)	SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/250.0	0.03	94
20	OPCB	WAL-MART (SEAWAY MALL)	SEAWAY MALL 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	SSE/250.0	0.03	94
20	OPCB	WAL-MART (SEAWAY MALL)	SEAWAY MALL 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	SSE/250.0	0.03	94
20	PES	WOOLCO DEPARTMENT STORE #6332 SEAWAY MALL	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/250.0	0.03	95
20	PES	WAL-MART CANADA INC. #3110 SEAWAY MALL	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE/250.0	0.03	95
20	PES	ZELLERS STORE #332	SEAWAY MALL, 800 NIAGARA STREET NORTH WELLAND ON L3C 5Z4	SSE/250.0	0.03	95
20	PES	SHOPPERS DRUG MART #0793 (SEAWAY MALL)	800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	SSE/250.0	0.03	96
20	PES	ZELLERS STORE #332	SEAWAY MALL, 800 NIAGARA ST N WELLAND ON L3C5Z4	SSE/250.0	0.03	96
20	PES	BARRY RAY PHARMACY LTD. (SHOPPERS DRUG MART #793)	800 NIAGARA ST N WELLAND ON L3L5Z4	SSE/250.0	0.03	96
20	PES	SHOPPERS DRUG MART #0793 (SEAWAY MALL)	800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	SSE/250.0	0.03	97

<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>
20	PES	ZELLERS INC (WELLAND)	800 NIAGARA ST WELLAND ON L3C 5Z4	SSE/250.0	0.03	97
20	PES	SHOPPERS DRUG MART #0793 (SEAWAY MALL)	800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	SSE/250.0	0.03	98
20	PES	TARGET CANADA CO. STORE# T3645	1056-800 NIAGRA ST N WELLAND ON L3C5Z4	SSE/250.0	0.03	98
20	PES	ZELLERS INC (WELLAND)	800 NIAGARA ST WELLAND ON L3C5Z4	SSE/250.0	0.03	98
20	PES	BARRY RAY PHARMACY LTD. (SHOPPERS DRUG MART #793)	800 NIAGARA ST N WELLAND ON L3L5Z4	SSE/250.0	0.03	99
20	PES	ZELLERS STORE #332	SEAWAY MALL, 800 NIAGARA ST N WELLAND ON L3C5Z4	SSE/250.0	0.03	99
20	SCT	Clear Energy LSP	800 Niagara St Welland ON L3C 5Z4	SSE/250.0	0.03	100
20	SPL	WOOLCO SERVICE CENTRE	800 NIAGARA ST. WELLAND CITY ON L3C 5Z4	SSE/250.0	0.03	100

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	N	140.58	<u>5</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 8 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
HARVEY'S SWISS CHALET	830 NIAGARA ST. WELLAND ON L3C 1M3	SSW	141.00	<u>6</u>
Treschak Enterprises Ltd.	871 Niagara Street, Unit No. 3, Lot 231 Welland ON	W	164.05	<u>12</u>
LOBLAW PROPERTIES LIMITED	NIAGARA ST., PT.LOT 231 WELLAND CITY ON	SW	217.42	<u>17</u>
LOBLAW PROPERTIES LIMITED	NIAGARA STREET NORTH (SWM) WELLAND CITY ON	SW	217.42	<u>17</u>
LOBLAW PROPERTIES LIMITED	NIAGARA ST./ROYAL OAK DR. WELLAND CITY ON	SW	217.42	<u>17</u>
LOBLAW PROPERTIES LIMITED	821 NIAGARA ST., PT.LOT 231 WELLAND CITY ON L3C 1M4	SW	217.42	<u>17</u>
TACO BELL OF CANADA	800 NIAGARA ROAD WELLAND CITY ON	SSE	250.00	<u>20</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TACO BELL OF CANADA	800 NIAGARA ROAD WELLAND CITY ON	SSE	250.00	20

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Jun 31, 2019 has found that there are 3 EASR 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>
TARGET CANADA CO.	800 NIAGARA ST NORTH WELLAND ON L3C 5Z4	SSE	250.00	20
TARGET CANADA CO.	800 NIAGARA ST NORTH WELLAND ON L3C 5Z4	SSE	250.00	20

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
SKYLINE REAL ESTATE LIMITED PARTNERSHIP	100 LANCASTER DR WELLAND ON L3C 6M1	ESE	179.84	14

EBR - Environmental Registry

A search of the EBR database, dated 1994-Jun 30, 2019 has found that there are 1 EBR 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>
Treschak Enterprises Ltd.	871 Niagara Street, Unit No. 3, Lot 231 Welland Ontario L3C 6Y1 Welland ON	W	164.05	12

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 31, 2019 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Treschak Enterprises Ltd.	871 Niagara Street, Unit No. 3, Lot 231 Welland ON L3C 6Y1	W	164.05	12

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
-------------------------------	----------------	------------------	---------------------	----------------

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2019 has found that there are 13 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	830 Niagara St Welland On Welland ON L3C1M3	SSW	141.00	<u>6</u>
	821 Niagara St. Welland ON L3C 1M4	SW	217.42	<u>17</u>
	897 Niagara St Welland ON L3C 1M4	WNW	244.11	<u>18</u>
	897 Niagara St Welland On Welland ON L3C1M4	WNW	244.11	<u>18</u>
	800 Niagara Street North Welland ON	SSE	250.00	<u>20</u>
	800 Niagara St N Welland ON L3C 5Z4	SSE	250.00	<u>20</u>
	800 Niagara St. N. Welland ON	SSE	250.00	<u>20</u>
	800 Niagara Street North Welland ON	SSE	250.00	<u>20</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	858 and 862 Niagara Street Welland ON L3C 1M4	NNW	5.44	<u>1</u>

870 Niagara Street North Welland ON	NNW	36.76	2
100 Lancaster Drive Welland ON L3C 6M1	SE	130.49	4
100 Lancaster Dr Welland ON L3C6M1	ESE	179.84	14
100 Lancaster Dr Welland ON L3C6M1	ESE	179.84	14

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 2 EXP 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>
403761 ONTARIO LTD	871 NIAGARA ST WELLAND ON K0E 1L0	W	164.05	12
WAL MART # 3110 ATTN FRAN DAVID	800 NIAGARA ST WELLAND ON	SSE	250.00	20

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Mar 31, 2019 has found that there are 56 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON	W	164.05	12
Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON	W	164.05	12
TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	W	164.05	12

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON L3C6Y1	W	164.05	12
TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	W	164.05	12
Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON L3C6Y1	W	164.05	12
Enterprise Rent A Car Canada Company	871 Niagara Street. Unit 6 Welland ON L3C6Y1	W	164.05	12
TRESCHAK ENTERPRISES	871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	W	164.05	12
Loblaw Companies Limited	821 Niagara St. N. Welland ON L3C 1M4	SW	217.42	17
Loblaw Companies Limited	821 Niagara St. N. Welland ON L3C 1M4	SW	217.42	17
LOBLAWS INC.	821 Niagara St. N. Welland ON L3C 1M4	SW	217.42	17
LOBLAWS INC.	821 Niagara St. N. Welland ON L3C 1M4	SW	217.42	17
BLACK PHOTO CORPORATION	SEAWAY MALL, 800 NIAGARA ST. SUITE JJ6 C/O 371 GOUGH RD. MARKHAM ONT L3R 4B6 WELLAND ON L3C 5Z4	SSE	244.53	19
BLACK PHOTO CORPORATION	SEAWAY MALL, 800 NIAGARA ST. WELLAND C/O 371 GOUGH RD. MARKHAM ON L3C 5Z4	SSE	244.53	19

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BLACK PHOTO CORPORATION	800 NIAGARA STREET SEAWAY MALL WELLAND ON L3C 5Z4	SSE	244.53	<u>19</u>
BLACK PHOTO CORPORATION 05-205	SEAWAY MALL, 800 NIAGARA ST. - WELLAND C/O 371 GOUGH ROAD MARKHAM ON L3C 5Z4	SSE	244.53	<u>19</u>
BLACK PHOTO CORPORATION	SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 1M3	SSE	244.53	<u>19</u>
WAL-MART CANADA INC.	800 NIAGARA STREET NORTH SEAWAY MALL WELLAND ON L3C 1M3	SSE	244.53	<u>19</u>
WAL-MART CANADA INC.	800 NIAGARA STREET NORTH SEAWAY MALL STORE # 3110 WELLAND ON L3C 1M3	SSE	244.53	<u>19</u>
WAL-MART CANADA INC.	SEAWAY MALL STORE 3110 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	SSE	244.53	<u>19</u>
WAL-MART CANADA CORP.	800 NIAGARA STREET NORTH STORE #3110 WELLAND ON L3C 1M3	SSE	244.53	<u>19</u>
Healthscreen Solutions Inc.	800 Niagara St. Welland ON L3C 5Z4	SSE	244.53	<u>19</u>
Niagara, Regional Municipality of	800 Niagara Street Welland ON L3C 5Z4	SSE	244.53	<u>19</u>
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	<u>19</u>
Seaway Mall	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	<u>19</u>
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	<u>19</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	19
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON	SSE	244.53	19
the forzani group	800 niagara st north welland ON	SSE	244.53	19
Target Canada Co.	800 Niagara Street North Welland ON	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	19
Michael Conte Pharmacy Corp	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE	244.53	19
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
the forzani group	800 niagara st north welland ON L3C 5Z5	SSE	244.53	19
FGL SPORTS LIMITED	800 niagara st north welland ON L3C 5Z5	SSE	244.53	19
Target Canada Co.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
Sears Canada	800 Niagara Street N Welland ON L3C 5Z4	SSE	244.53	19
Mike Morcoux Pharmacy Ltd.	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE	244.53	19
REGION OF NIAGARA	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	244.53	19
Target Canada Co.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
the forzani group	800 niagara st north welland ON L3C 5Z5	SSE	244.53	19
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	244.53	19
Michael Conte Pharmacy Corp	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE	244.53	19
FGL SPORTS LIMITED	800 niagara st north welland ON L3C 5Z5	SSE	244.53	19
Michael Conte Pharmacy Corp	800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	SSE	250.00	20
Urgent Care Niagara - Welland Inc.	800 Niagara Street North Welland ON L3C 5Z4	SSE	250.00	20
FGL SPORTS LIMITED	800 niagara st north welland ON L3C 5Z5	SSE	250.00	20

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 1 NPCB 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>
WAL-MART (SEAWAY MALL)	SEAWAY MALL; 800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	250.00	20

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 1 NPRI 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>
ZELLERS	800 NIAGARA Street WELLAND ON L3C5Z4	SSE	250.00	20

OOGW - Ontario Oil and Gas Wells

A search of the OOGW database, dated 1800-May 2018 has found that there are 2 OOGW 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>
E.J. Wilson (Gainer)	Thorold ON <i>Licence No:</i> F013374	NW	204.29	15

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
John DeSmit #1	Thorold ON <i>Licence No:</i> F013372	N	144.85	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 3 OPCB 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>
WAL-MART (SEAWAY MALL)	SEAWAY MALL 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	SSE	250.00	20
WAL-MART (SEAWAY MALL)	SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	250.00	20
WAL-MART (SEAWAY MALL)	SEAWAY MALL 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	SSE	250.00	20

PES - Pesticide Register

A search of the PES database, dated 1988-Mar 2019 has found that there are 18 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ZEHRS MARKETS #550	821 NIAGARA ST N WELLAND ON L3C1M4	SW	217.42	<u>17</u>
ZEHRS MARKETS #550	821 NIAGARA ST N WELLAND ON L3C1M4	SW	217.42	<u>17</u>
ZEHRS MARKETS #550	821 NIAGARA ST N WELLAND ON L3C 1M4	SW	217.42	<u>17</u>
ZEHRS MARKETS 550 O/A LOBLAWS INC.	821 NIAGARA ST N WELLAND ON L3C1M4	SW	217.42	<u>17</u>
ZEHRS MARKETS #550	821 NIAGARA ST N WELLAND ON L3C1M4	SW	217.42	<u>17</u>
BARRY RAY PHARMACY LTD. (SHOPPERS DRUG MART #793)	800 NIAGARA ST N WELLAND ON L3L5Z4	SSE	250.00	<u>20</u>
ZELLERS STORE #332	SEAWAY MALL, 800 NIAGARA ST N WELLAND ON L3C5Z4	SSE	250.00	<u>20</u>
SHOPPERS DRUG MART #0793 (SEAWAY MALL)	800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	SSE	250.00	<u>20</u>
ZELLERS STORE #332	SEAWAY MALL, 800 NIAGARA STREET NORTH WELLAND ON L3C 5Z4	SSE	250.00	<u>20</u>
SHOPPERS DRUG MART #0793 (SEAWAY MALL)	800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	SSE	250.00	<u>20</u>
ZELLERS INC (WELLAND)	800 NIAGARA ST WELLAND ON L3C 5Z4	SSE	250.00	<u>20</u>
SHOPPERS DRUG MART #0793 (SEAWAY MALL)	800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	SSE	250.00	<u>20</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TARGET CANADA CO. STORE# T3645	1056-800 NIAGARA ST N WELLAND ON L3C5Z4	SSE	250.00	20
ZELLERS INC (WELLAND)	800 NIAGARA ST WELLAND ON L3C5Z4	SSE	250.00	20
WAL-MART CANADA INC. #3110 SEAWAY MALL	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	250.00	20
ZELLERS STORE #332	SEAWAY MALL, 800 NIAGARA ST N WELLAND ON L3C5Z4	SSE	250.00	20
BARRY RAY PHARMACY LTD. (SHOPPERS DRUG MART #793)	800 NIAGARA ST N WELLAND ON L3L5Z4	SSE	250.00	20
WOOLCO DEPARTMENT STORE #6332 SEAWAY MALL	800 NIAGARA STREET WELLAND ON L3C 5Z4	SSE	250.00	20

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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
403761 ONTARIO LTD	871 NIAGARA ST PRT LOT 231 WELLAND ON	W	164.05	12

SCT - Scott's Manufacturing Directory

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Clear Energy LSP	800 Niagara St Welland ON L3C 5Z4	SSE	250.00	20

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2019 has found that there are 6 SPL 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>
MACLAWN SPRAY LTD.	NIAGARA ST & LANCASTER BLVD. BEHIND HARVEY'S MOTOR VEHICLE (OPERATING FLUID) WELLAND CITY ON	SW	145.45	<u>9</u>
Crossroads Refridgeration Limited	821 Niagara St North Welland ON	SW	217.42	<u>17</u>
Crossroads Refridgeration Limited	821 Niagara Street Welland ON L3C 1M4	SW	217.42	<u>17</u>
	821 Niagara St. North Welland ON	SW	217.42	<u>17</u>
Crossroads Refrigeration Limited	821 Niagara St Welland ON L3C 1M4	SW	217.42	<u>17</u>
WOOLCO SERVICE CENTRE	800 NIAGARA ST. WELLAND CITY ON L3C 5Z4	SSE	250.00	<u>20</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 6 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>
	lot 231 ON <i>Well ID: 6602952</i>	W	117.44	<u>3</u>
	ON <i>Well ID: 7240005</i>	WSW	143.13	<u>7</u>
	lot 231 ON	SW	153.52	<u>10</u>

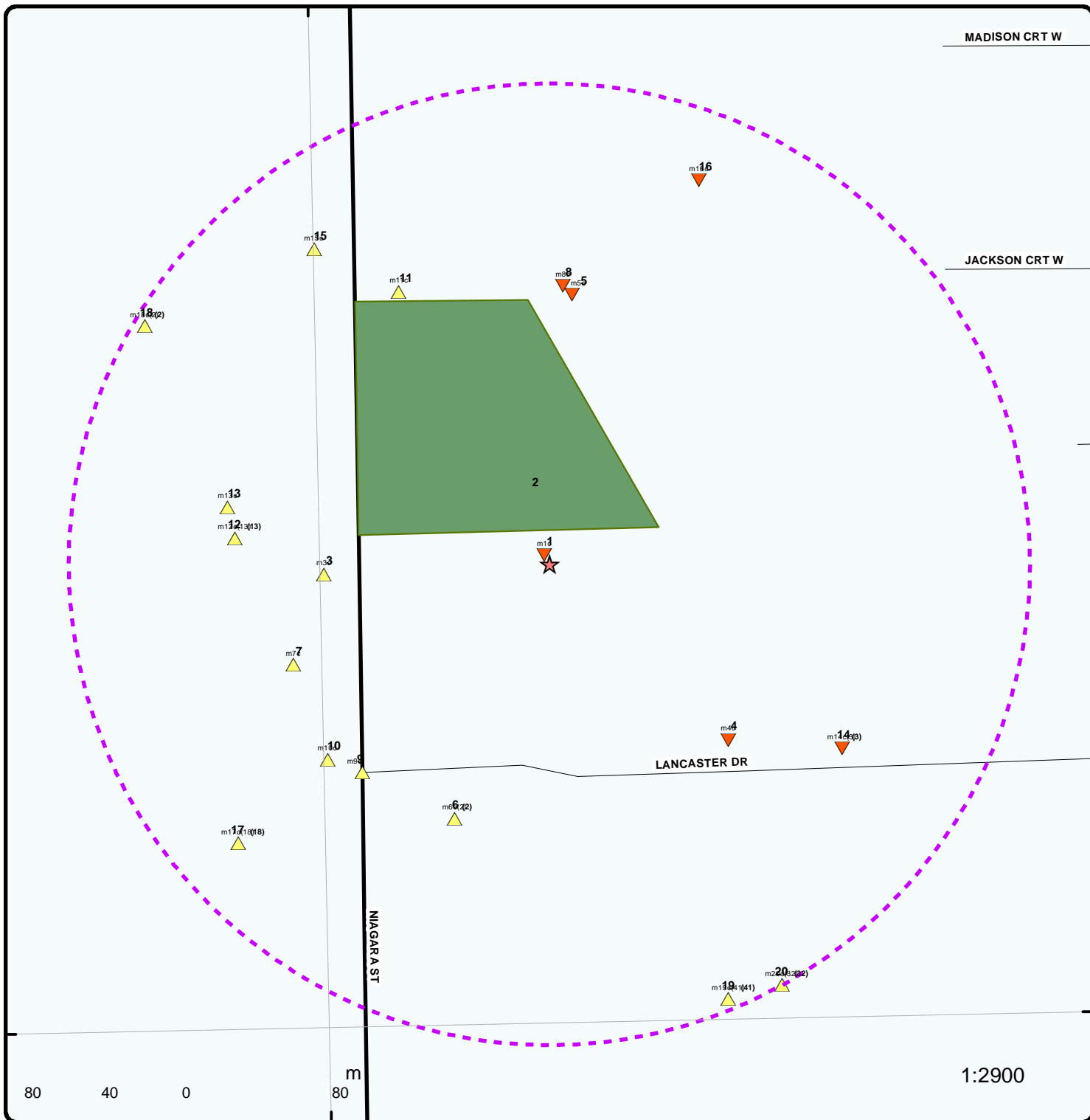
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 6601897			
	lot 239 ON	NNW	161.87	11
	<i>Well ID:</i> 6601900			
	lot 231 ON	W	169.93	13
	<i>Well ID:</i> 6601898			

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 230 ON	NNE	214.24	16
	<i>Well ID:</i> 6601894			

79°15'W

MADISON CRT W

JACKSON CRT W



43°1'N

43°1'N

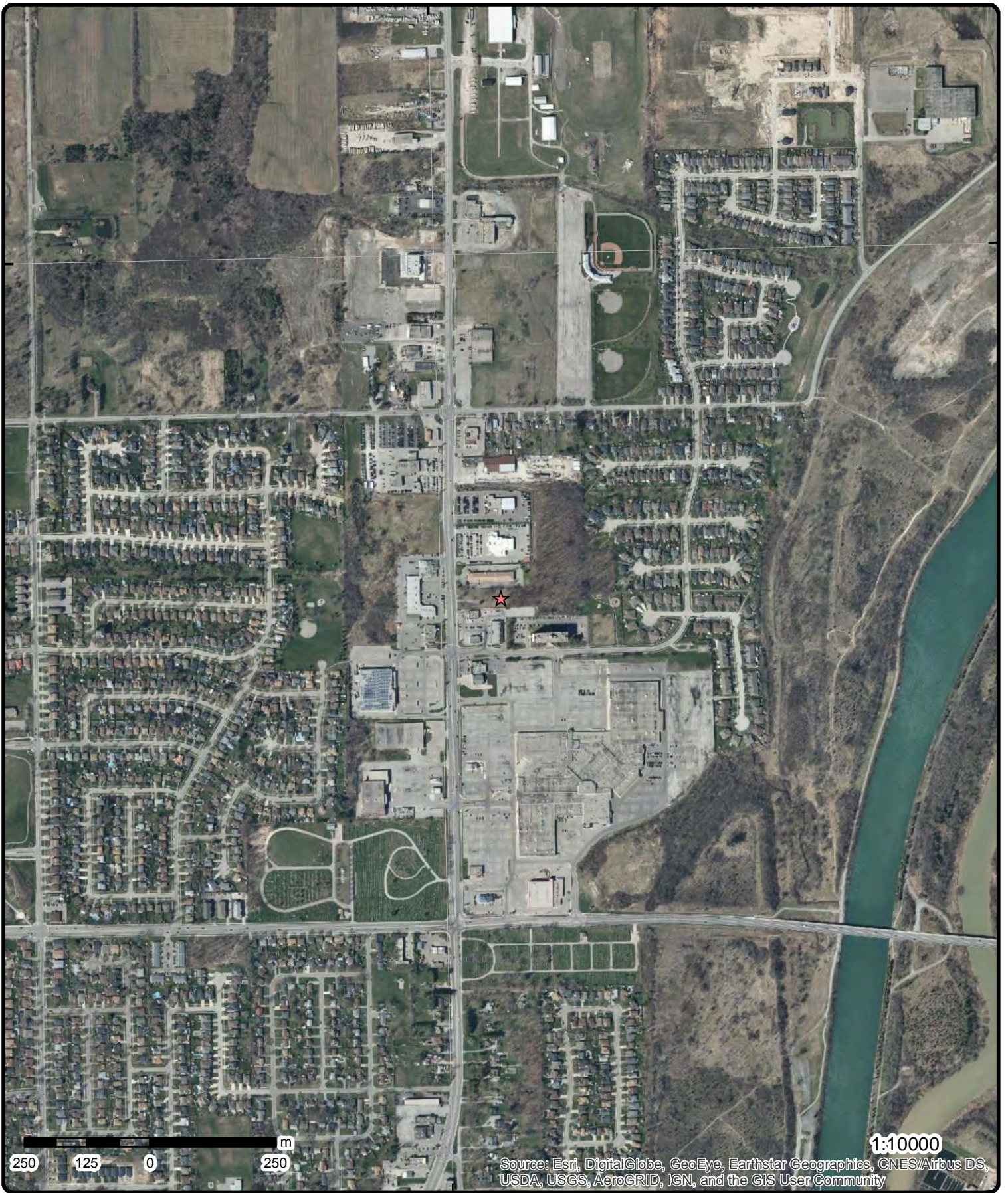
Map : 0.25 Kilometer Radius

Order No: 20190715190

Address: 858-862 Niagara Street, Welland, ON, L3C 1M4



Expressway	Industrial and Resource - Regions	National Park
Principal Highway	Main Line	Provincial or Territorial Park
Secondary Highway	Sidetrack	Other Park
Major Road	Transit Line	Golf Course or Driving Range
Local road	Abandoned Line	Park or Sports Field
Trail		Other Recreation Area
Proposed Road		
Ferry Route/Ice Road		



250 125 0 250 m

1:10000

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

Aerial (2017)

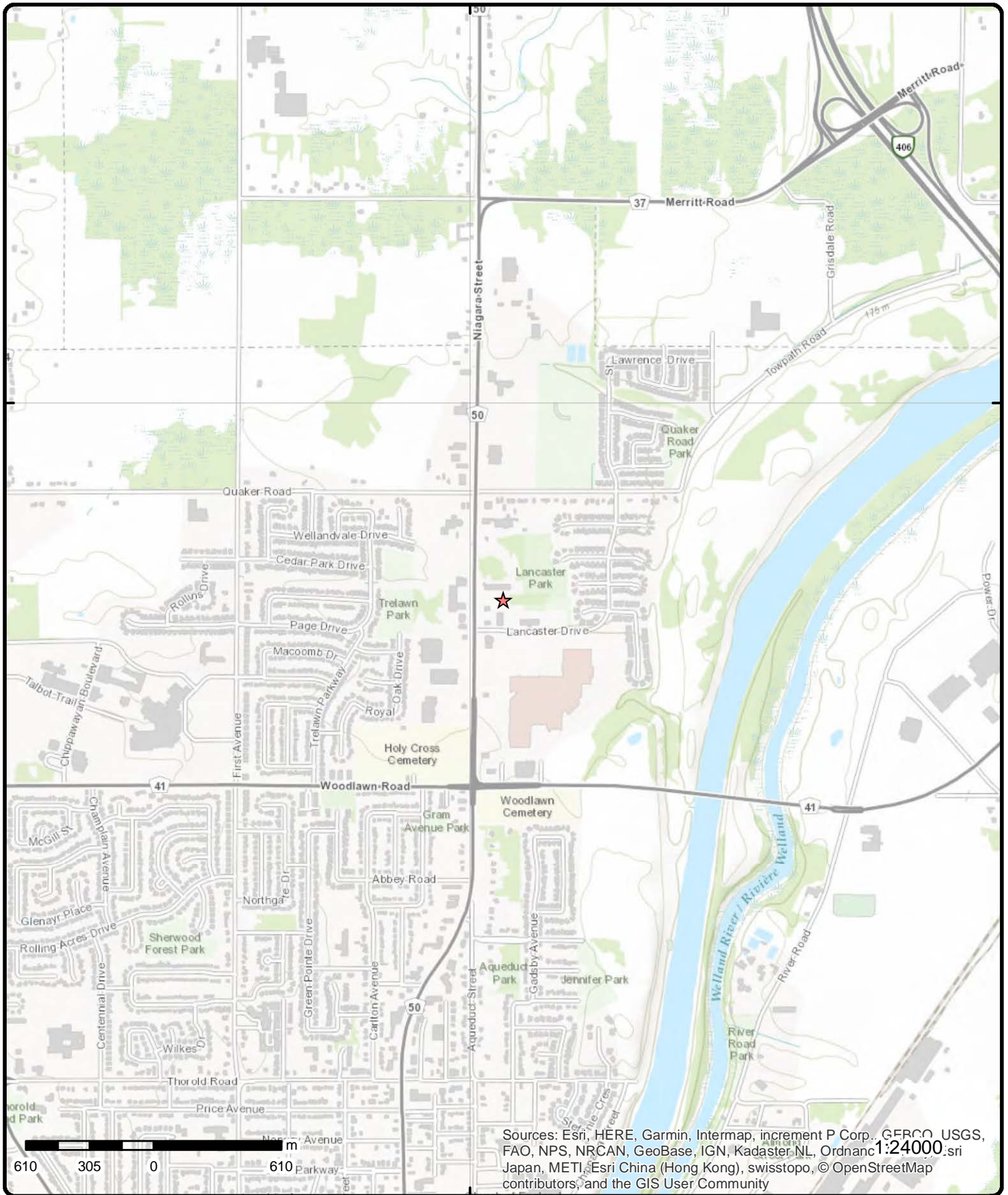
Address: 858-862 Niagara Street, Welland, ON, L3C 1M4

Source: ESRI World Imagery

Order No: 20190715190



© ERIS Information Limited Partnership



Topographic Map

Address: 858-862 Niagara Street, Welland, ON, L3C 1M4

Source: ESRI World Topographic Map

Order No: 20190715190



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	NNW/5.4	176.8 / -0.01	858 and 862 Niagara Street Welland ON L3C 1M4	EHS
Order No: 20190122262 Status: C Report Type: Standard Report Report Date: 28-JAN-19 Date Received: 22-JAN-19 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.248612 Y: 43.018857			
<u>2</u>	1 of 1	NNW/36.8	176.8 / -0.02	870 Niagara Street North Welland ON	EHS
Order No: 20170328059 Status: C Report Type: Standard Report Report Date: 31-MAR-17 Date Received: 28-MAR-17 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.248698 Y: 43.019133			
<u>3</u>	1 of 1	W/117.4	176.8 / 0.04	lot 231 ON	WWIS
Well ID: 6602952 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: 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: 1 Date Received: 7/2/1974 Selected Flag: Yes Abandonment Rec: Contractor: 3640 Form Version: 1 Owner: Street Name: County: NIAGARA (WELLAND) Municipality: THOROLD TOWN (THOROLD) Site Info: Lot: 231 Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
<u>Bore Hole Information</u>					
Bore Hole ID: 10462574 DP2BR:		Elevation: 177.924194 Elevrc:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:	o			East83:	642595.9
Code OB Desc:	Overburden			North83:	4764387
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	6/1/1974			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock
Materials Interval

Formation ID: 932596491
Layer: 1
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932596492
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932596494
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 75

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932596493			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932596495			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		75			
Formation End Depth:		102			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932596496			
Layer:		6			
Color:		2			
General Color:		GREY			
Mat1:		10			
Most Common Material:		COARSE SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		102			
Formation End Depth:		104			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					

<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>Pipe ID:</i>		11011144			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930751617			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		104			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		996602952			
<i>Pump Set At:</i>					
<i>Static Level:</i>		35			
<i>Final Level After Pumping:</i>		50			
<i>Recommended Pump Depth:</i>		80			
<i>Pumping Rate:</i>		14			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		12			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		2			
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>		2			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		30			
<i>Flowing:</i>		N			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		935128683			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		35			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934342334			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		35			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934863912			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		45			
<i>Test Level:</i>		35			
<i>Test Level UOM:</i>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934609713			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		35			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933950188			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		104			
Water Found Depth UOM:		ft			
4	1 of 1	SE/130.5	175.8 / -0.97	100 Lancaster Drive Welland ON L3C 6M1	EHS
Order No:	20070703008			Nearest Intersection:	Niagara Street North
Status:	C			Municipality:	
Report Type:	CAN - Custom Report			Client Prov/State:	
Report Date:	7/11/2007			Search Radius (km):	0.25
Date Received:	7/3/2007			X:	-79.247463
Previous Site Name:				Y:	43.017973
Lot/Building Size:					
Additional Info Ordered:					
5	1 of 1	N/140.6	175.9 / -0.87	ON	BORE
Borehole ID:	605149			Inclin FLG:	No
OGF ID:	215506957			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAR-1957			Municipality:	
Static Water Level:	3.4			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	43.020072
Total Depth m:	-999			Longitude DD:	-79.248402
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	642725
Drill Method:				Northing:	4764532
Orig Ground Elev m:	179			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	178				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218367475			Mat Consistency:	
Top Depth:	96			Material Moisture:	
Bottom Depth:	117			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4: Gsc Material Description: Stratum Description:				Depositional Gen:	
		BEDROCK, SHALE. GREY.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218367477 128 143 Red Bedrock Sandstone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		BEDROCK, SANDSTONE. RED.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218367472 0 29 Unknown			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		UNSPECIFIED.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218367476 117 128 Bedrock			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		BEDROCK.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218367478 143 153 Grey Bedrock Shale			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		BEDROCK, SHALE. GREY.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218367473 29 47.5 Bedrock Limestone Shale			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		BEDROCK, LIMESTONE, SHALE. WATER STABLE AT 579.0 FEET.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3:	218367474 47.5 96 Bedrock			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BEDROCK.			
Geology Stratum ID:	218367479			Mat Consistency:	
Top Depth:	153			Material Moisture:	
Bottom Depth:	159			Material Texture:	
Material Color:	Light			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Sandstone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BEDROCK,SANDSTONE. LIGHT.			
Geology Stratum ID:	218367480			Mat Consistency:	
Top Depth:	159			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Red			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BEDROCK,SHALE. RED. 0095003701560035031500320385003104200027047000270505002505220024		**Note:	
		Many records provided by the department have a truncated [Stratum Description] field.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Ident:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	M			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: NIAGARA.txt RecordID: 038190 NTS_Sheet: 30M03B				
Confiden 1:	Reliable information but incomplete.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
6	1 of 2	SSW/141.0	177.8 / 1.03	HARVEY'S SWISS CHALET 830 NIAGARA ST. WELLAND ON L3C 1M3	CA
Certificate #:	8-2089-85-006				
Application Year:	85				
Issue Date:	8/16/85				
Approval Type:	Industrial air				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:	Nitrogen Oxides, Odour/Fumes				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Emission Control:		Panel Filter			
6	2 of 2	SSW/141.0	177.8 / 1.03	830 Niagara St Welland On Welland ON L3C1M3	EHS
Order No:	20150120029			Nearest Intersection:	
Status:	C			Municipality:	Welland
Report Type:	Site Report			Client Prov/State:	ON
Report Date:	21-JAN-15			Search Radius (km):	.001
Date Received:	20-JAN-15			X:	-79.249632
Previous Site Name:				Y:	43.017737
Lot/Building Size:					
Additional Info Ordered:					
7	1 of 1	WSW/143.1	176.8 / 0.03	ON	WWIS
Well ID:	7240005			Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	4/15/2015
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	7464
Casing Material:				Form Version:	8
Audit No:	C24895			Owner:	
Tag:	A159845			Street Name:	
Construction Method:				County:	NIAGARA (WELLAND)
Elevation (m):				Municipality:	WELLAND CITY (CROWLAND)
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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1005324286			Elevation:	177.821212
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	642580
Code OB Desc:				North83:	4764340
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	10/24/2014			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:					
8	1 of 1	N/144.9	176.3 / -0.50	John DeSmit #1 Thorold ON	OOGW
Licence No:	F013372			Well Compl:	24134

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	24425			County:	Welland
Well Compl ID:	24134			Block:	
W Class ID:				Lot:	230
UWI Code:	F013372			Conc:	
Permit Date:				Surface Lat NAD83:	43.02011417
Depth(m):				Surface Long NAD83:	-79.24845778
Well Pool:				Bottom Lat NAD83:	43.02011417
Completion Date:				Bottom Long NAD83:	-79.24845778
Depth Reached:				Lot Sides (m):	231.34 S
Capped Date:	1957-03-30			E/W (m):	111.25 E
Class ID:				Latitude Nad27:	
DB Source:				Longitude Nad27:	
Status as of:	May 2018			bottom lat27:	
Start Date:				bottom long27:	
SPUD Date:				Lateral:	No
Class:				Accuracy:	20.00
Grnd Elev:	176.6			Method:	Well Records (1954 to 1997)
KB Elev:	176.9			Parent:	
TVD:				Prod Top:	
PBTD:				Prod Bot:	
TD Form:				PROPD Depth:	167.64
Workover D:				Location Method:	Well Records (1954 to 1997)
Operator:	DeSmit Gas Syndicate			Location Accuracy:	Within 20 metres
Township:	Thorold			Dt Obtained:	
Well Name:	John DeSmit #1				
Target:					
Target Desc:					
Well Status Type:	Location				
Status Type Desc:	A LOCATION FOR WHICH MINISTRY RECORDS INDICATE A WELL HAS BEEN DRILLED BUT FOR WHICH NO STATUS INFORMATION IS AVAILABLE				
Well Status Mode:	Abandoned Well				
Status Mode Desc:	A WELL WHICH IS OFFICIALLY PLUGGED AND ABANDONED				
Classification:					
Classification Desc:					
Cement Rec:					
Comments:	Accuracy is approximate and not verified.				
--Details--					
Geology Formation:	Guelph			Type of Water:	Fresh
Source:	n/a			Static Level (m):	9.14
Geology/Water:	Water			Elevation / Top (m):	n/a / 39.62
Geology Formation:	Guelph			Type of Water:	Sulphur
Source:	n/a			Static Level (m):	6.1
Geology/Water:	Water			Elevation / Top (m):	n/a / 45.72
Geology Formation:	Drift			Type of Water:	Fresh
Source:	n/a			Static Level (m):	
Geology/Water:	Water			Elevation / Top (m):	n/a / 27.43

<u>9</u>	1 of 1	SW/145.4	177.8 / 1.02	MACLAWN SPRAY LTD. NIAGARA ST & LANCASTER BLVD. BEHIND HARVEY'S MOTOR VEHICLE (OPERATING FLUID) WELLAND CITY ON	SPL
Ref No:	5025			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/11/1988			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 6/11/1988 Dt Document Closed: Incident Reason: NEGLIGENCE (APPARENT) Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: MACLAWN - 150 LTR. DIESEL TO SOIL FROM RUPTURED FUEL TANK. Contaminant Qty:		Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 18104 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:			

10	1 of 1	SW/153.5	177.9 / 1.06	lot 231 ON	WWIS
Well ID: 6601897 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: 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: 1 Date Received: 12/10/1952 Selected Flag: Yes Abandonment Rec: Contractor: 3339 Form Version: 1 Owner: Street Name: County: NIAGARA (WELLAND) Municipality: WELLAND CITY (THOROLD) Site Info: Lot: 231 Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
<u>Bore Hole Information</u>					
Bore Hole ID: 10461630 DP2BR: Spatial Status: Code OB: 0 Code OB Desc: Overburden Open Hole: Cluster Kind: Date Completed: 8/12/1952 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevation: 177.529129 Elevrc: Zone: 17 East83: 642597.9 North83: 4764291 Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: p9			

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:			932593505		
Layer:			1		
Color:					
General Color:					
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			0		
Formation End Depth:			40		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			932593507		
Layer:			3		
Color:					
General Color:					
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			91		
Formation End Depth:			93		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			932593506		
Layer:			2		
Color:					
General Color:					
Mat1:			09		
Most Common Material:			MEDIUM SAND		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			40		
Formation End Depth:			91		
Formation End Depth UOM:			ft		
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:			1		
Method Construction:			Cable Tool		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			11010200		
Casing No:			1		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930749931			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		93			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		996601897			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		30			
Recommended Pump Depth:					
Pumping Rate:		30			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		N			
<u>Water Details</u>					
Water ID:		933949194			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		93			
Water Found Depth UOM:		ft			

[11](#) 1 of 1 **NNW/161.9** **176.8 / 0.04** **lot 239** **ON** **WWIS**

Well ID:	6601900	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/10/1952
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3339
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NIAGARA (WELLAND)
Elevation (m):		Municipality:	THOROLD TOWN (THOROLD)
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	239
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:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	10461633			Elevation:	177.810745
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:	o			East83:	642634.9
Code OB Desc:	Overburden			North83:	4764534
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	9/11/1952			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932593515				
Layer:	1				
Color:					
General Color:					
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	30				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932593517				
Layer:	3				
Color:					
General Color:					
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	115				
Formation End Depth:	117				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932593516				
Layer:	2				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		30			
Formation End Depth:		115			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11010203			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930749936			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		117			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		996601900			
Pump Set At:					
Static Level:		60			
Final Level After Pumping:		102			
Recommended Pump Depth:					
Pumping Rate:		30			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		N			
<u>Water Details</u>					
Water ID:		933949197			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code: Kind: Water Found Depth: Water Found Depth UOM:		1 FRESH 115 ft			
12	1 of 13	W/164.1	177.0 / 0.18	Treschak Enterprises Ltd. 871 Niagara Street, Unit No. 3, Lot 231 Welland ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		7676-5WNTR6 2004 3/2/2004 Air Approved			
12	2 of 13	W/164.1	177.0 / 0.18	Treschak Enterprises Ltd. 871 Niagara Street, Unit No. 3, Lot 231 Welland Ontario L3C 6Y1 Welland ON	EBR
EBR Registry No: Ministry Ref No: Notice Type: Notice Stage: Notice Date: Proposal Date: Decision Posted: Posted By: Company Name: Off Instrument Name: Instrument Type: Proponent Name: Proponent Address: Site Address: Location Other: URL:		IA02E1339 4201-5F8K9D Instrument Decision 800486269 March 12, 2004 October 29, 2002		Year: Act 1: Act 2: Comment Period: Section: Site Location Map:	2002
Decision Posted: Posted By: Company Name: Off Instrument Name: Instrument Type: Proponent Name: Proponent Address: Site Address: Location Other: URL:		Treschak Enterprises Ltd. (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Site Location Details: 871 Niagara Street, Unit No. 3, Lot 231 Welland Ontario L3C 6Y1 Welland					
12	3 of 13	W/164.1	177.0 / 0.18	Treschak Enterprises Ltd. 871 Niagara Street, Unit No. 3, Lot 231 Welland ON L3C 6Y1	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type:		7676-5WNTR6 2004-03-02 Approved ECA IDS Niagara Peninsula ECA-AIR		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Niagara -79.25058 43.019023999999995

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Project Type:		AIR			
Address:		871 Niagara Street, Unit No. 3, Lot 231			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/4201-5F8K9D-14.pdf			
12	4 of 13	W/164.1	177.0 / 0.18	403761 ONTARIO LTD 871 NIAGARA ST WELLAND ON K0E 1L0	EXP
Instance No:		9797937			
Instance ID:					
Instance Type:		FS Facility			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		11/20/1992			
12	5 of 13	W/164.1	177.0 / 0.18	TRESCHAK ENTERPRISES 871 NIAGARA STREET, UNIT 3 WELLAND ON	GEN
Generator No:		ON2974332		PO Box No:	
Status:				Country:	
Approval Years:		2013		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		415290			
SIC Description:		OTHER NEW MOTOR VEHICLE PARTS AND ACCESSORIES WHOLESALER-DISTRIBUTORS			
Detail(s)					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
12	6 of 13	W/164.1	177.0 / 0.18	Enterprise Rent A Car Canada Company 871 Niagara Street. Unit 6 Welland ON	GEN
Generator No:		ON3767050		PO Box No:	
Status:				Country:	
Approval Years:		2013		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		532111			
SIC Description:					
Detail(s)					
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
12	7 of 13	W/164.1	177.0 / 0.18	TRESCHAK ENTERPRISES 871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	GEN
Generator No:		ON2974332		PO Box No:	
Status:				Country: Canada	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 415290 SIC Description: OTHER NEW MOTOR VEHICLE PARTS AND ACCESSORIES WHOLESALE-DISTRIBUTORS				Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:	
Detail(s)					
Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES					
12	8 of 13	W/164.1	177.0 / 0.18	Enterprise Rent A Car Canada Company 871 Niagara Street. Unit 6 Welland ON L3C6Y1	GEN
Generator No: ON3767050 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 532111 SIC Description: 532111				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Mike Stopczynski Phone No Admin: 5194515884 Ext.	
Detail(s)					
Waste Class: 251 Waste Class Desc: OIL SKIMMINGS & SLUDGES					
12	9 of 13	W/164.1	177.0 / 0.18	TRESCHAK ENTERPRISES 871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	GEN
Generator No: ON2974332 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 415290 SIC Description: OTHER NEW MOTOR VEHICLE PARTS AND ACCESSORIES WHOLESALE-DISTRIBUTORS				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:	
Detail(s)					
Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES					
12	10 of 13	W/164.1	177.0 / 0.18	Enterprise Rent A Car Canada Company 871 Niagara Street. Unit 6 Welland ON L3C6Y1	GEN
Generator No: ON3767050 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 532111 SIC Description: 532111				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Mike Stopczynski Phone No Admin: 5194515884 Ext.	
Detail(s)					
Waste Class: 251					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
12	11 of 13	W/164.1	177.0 / 0.18	Enterprise Rent A Car Canada Company 871 Niagara Street. Unit 6 Welland ON L3C6Y1	GEN
Generator No:	ON3767050			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Mike Stopczynski
MHSW Facility:	No			Phone No Admin:	5194515884 Ext.
SIC Code:	532111				
SIC Description:	532111				
Detail(s)					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
12	12 of 13	W/164.1	177.0 / 0.18	TRESCHAK ENTERPRISES 871 NIAGARA STREET, UNIT 3 WELLAND ON L3C 6Y1	GEN
Generator No:	ON2974332			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	415290				
SIC Description:	OTHER NEW MOTOR VEHICLE PARTS AND ACCESSORIES WHOLESALER-DISTRIBUTORS				
Detail(s)					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
12	13 of 13	W/164.1	177.0 / 0.18	403761 ONTARIO LTD 871 NIAGARA ST PRT LOT 231 WELLAND ON	PRT
Location ID:	16645				
Type:	retail				
Expiry Date:	1993-10-31				
Capacity (L):	21007				
Licence #:	0054679001				
13	1 of 1	W/169.9	177.0 / 0.18	lot 231 ON	WWIS
Well ID:	6601898			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Commerical			Date Received:	12/9/1954
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3409
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	NIAGARA (WELLAND)
Elevation (m):				Municipality:	WELLAND CITY (THOROLD)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Site Info: Lot: 231 Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 10461631 DP2BR: 90 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 9/10/1954 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 177.918685 Elevrc: Zone: 17 East83: 642545.9 North83: 4764422 Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: p9	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 932593510 Layer: 3 Color: General Color: Mat1: 14 Most Common Material: HARDPAN Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: 84 Formation End Depth: 90 Formation End Depth UOM: ft					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 932593511 Layer: 4 Color: General Color: Mat1: 15 Most Common Material: LIMESTONE Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: 90 Formation End Depth: 97 Formation End Depth UOM: ft					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			932593508		
Layer:			1		
Color:			3		
General Color:			BLUE		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			0		
Formation End Depth:			65		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			932593509		
Layer:			2		
Color:					
General Color:					
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			09		
Other Materials:			MEDIUM SAND		
Mat3:					
Other Materials:					
Formation Top Depth:			65		
Formation End Depth:			84		
Formation End Depth UOM:			ft		
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:			1		
Method Construction:			Cable Tool		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			11010201		
Casing No:			1		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			930749933		
Layer:			2		
Material:			1		
Open Hole or Material:			STEEL		
Depth From:					
Depth To:			97		
Casing Diameter:			6		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Construction Record - Casing</u>					

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

Casing ID: 930749932
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996601898
Pump Set At:
Static Level: 25
Final Level After Pumping: 40
Recommended Pump Depth:
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 6
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933949195
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

14	1 of 3	ESE/179.8	175.8 / -0.97	SKYLINE REAL ESTATE LIMITED PARTNERSHIP 100 LANCASTER DR WELLAND ON L3C 6M1	EASR
--------------------	--------	------------------	----------------------	--	-------------

Approval No: R-010-5110182229 Status: REGISTERED Date: 2017-07-13 Record Type: EASR Link Source: MOFA Project Type: Air Emissions Full Address: Approval Type: EASR-Air Emissions Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2039284	SWP Area Name: Niagara Peninsula MOE District: Niagara City: WELLAND Latitude: 43.01833333 Longitude: -79.24722222 Geometry X: Geometry Y:
---	---

14	2 of 3	ESE/179.8	175.8 / -0.97	100 Lancaster Dr Welland ON L3C6M1	EHS
--------------------	--------	------------------	----------------------	---	------------

Order No: 20130604010 Status: C Report Type: Custom Report Report Date: 10-JUN-13 Date Received: 04-JUN-13 Previous Site Name:	Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.246738 Y: 43.017924
---	---

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

Lot/Building Size:
Additional Info Ordered:

14	3 of 3	ESE/179.8	175.8 / -0.97	100 Lancaster Dr Welland ON L3C6M1	EHS
Order No:	20180406138	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:	Standard Report	Client Prov/State:	ON		
Report Date:	12-APR-18	Search Radius (km):	.25		
Date Received:	06-APR-18	X:	-79.246738		
Previous Site Name:		Y:	43.017924		
Lot/Building Size:					
Additional Info Ordered:					

15	1 of 1	NW/204.3	176.8 / 0.01	E.J. Wilson (Gainer) Thorold ON	OOGW
Licence No:	F013374	Well Compl:	24132		
Well ID:	24427	County:	Welland		
Well Compl ID:	24132	Block:			
W Class ID:		Lot:	231		
UWI Code:	F013374	Conc:			
Permit Date:		Surface Lat NAD83:	43.02030859		
Depth(m):	176.78	Surface Long NAD83:	-79.25004125		
Well Pool:		Bottom Lat NAD83:	43.02030859		
Completion Date:		Bottom Long NAD83:	-79.25004125		
Depth Reached:		Lot Sides (m):	207.26 S		
Capped Date:	1967-01-26	E/W (m):	18.29 W		
Class ID:		Latitude Nad27:			
DB Source:		Longitude Nad27:			
Status as of:	May 2018	bottom lat27:			
Start Date:		bottom long27:			
SPUD Date:		Lateral:	No		
Class:		Accuracy:	20.00		
Grnd Elev:		Method:	Well Records (1954 to 1997)		
KB Elev:	178.92	Parent:			
TVD:		Prod Top:			
PBTD:		Prod Bot:			
TD Form:		PROPD Depth:			
Workover D:		Location Method:	Well Records (1954 to 1997)		
Operator:	Wilson, E.J.	Location Accuracy:	Within 20 metres		
Township:	Thorold	Dt Obtained:			
Well Name:	E.J. Wilson (Gainer)				
Target:					
Target Desc:					
Well Status Type:	Location				
Status Type Desc:	A LOCATION FOR WHICH MINISTRY RECORDS INDICATE A WELL HAS BEEN DRILLED BUT FOR WHICH NO STATUS INFORMATION IS AVAILABLE				
Well Status Mode:	Abandoned Well				
Status Mode Desc:	A WELL WHICH IS OFFICIALLY PLUGGED AND ABANDONED				
Classification:					
Classification Desc:					
Cement Rec:					
Comments:	Accuracy is approximate and not verified.				

16	1 of 1	NNE/214.2	175.8 / -0.97	lot 230 ON	WWIS
--------------------	--------	-----------	---------------	---------------	------

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	6601894			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/8/1955
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3409
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	NIAGARA (WELLAND)
Elevation (m):				Municipality:	WELLAND CITY (THOROLD)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	230
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:					

Bore Hole Information

Bore Hole ID:	10461627			Elevation:	177.578338
DP2BR:	89			Elevrc:	
Spatial Status:				Zone:	17
Code OB:	r			East83:	642790.9
Code OB Desc:	Bedrock			North83:	4764592
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	2/5/1955			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock Materials Interval

Formation ID:	932593495				
Layer:	3				
Color:					
General Color:					
Mat1:	08				
Most Common Material:	FINE SAND				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	76				
Formation End Depth:	85				
Formation End Depth UOM:	ft				

Overburden and Bedrock Materials Interval

Formation ID:	932593493				
Layer:	1				
Color:	3				
General Color:	BLUE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		54			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932593494			
Layer:		2			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		54			
Formation End Depth:		76			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932593497			
Layer:		5			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		89			
Formation End Depth:		92			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932593496			
Layer:		4			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		85			
Formation End Depth:		89			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	11010197				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930749926				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	89				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930749927				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	92				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	996601894				
Pump Set At:					
Static Level:	18				
Final Level After Pumping:	25				
Recommended Pump Depth:					
Pumping Rate:	5				
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	N				
<u>Water Details</u>					
Water ID:	933949191				
Layer:	1				
Kind Code:	3				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		SULPHUR			
Water Found Depth:		90			
Water Found Depth UOM:		ft			
17	1 of 18	SW/217.4	177.8 / 1.03	LOBLAW PROPERTIES LIMITED NIAGARA ST./ROYAL OAK DR. WELLAND CITY ON	CA
Certificate #:		7-0876-97-			
Application Year:		97			
Issue Date:		8/20/1997			
Approval Type:		Municipal water			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
17	2 of 18	SW/217.4	177.8 / 1.03	LOBLAW PROPERTIES LIMITED NIAGARA STREET NORTH (SWM) WELLAND CITY ON	CA
Certificate #:		3-0951-97-			
Application Year:		97			
Issue Date:		9/4/1997			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
17	3 of 18	SW/217.4	177.8 / 1.03	LOBLAW PROPERTIES LIMITED NIAGARA ST., PT.LOT 231 WELLAND CITY ON	CA
Certificate #:		8-2164-97-			
Application Year:		97			
Issue Date:		7/16/1997			
Approval Type:		Industrial air			
Status:		Cancelled			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
17	4 of 18	SW/217.4	177.8 / 1.03	LOBLAW PROPERTIES LIMITED 821 NIAGARA ST., PT.LOT 231	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
WELLAND CITY ON L3C 1M4					
Certificate #:		8-2253-97-			
Application Year:		97			
Issue Date:		12/12/1997			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		COMMERCIAL KITCHEN EXHAUST EQUIPMENT			
Contaminants:		Odour/Fumes			
Emission Control:		No Controls			

17	5 of 18	SW/217.4	177.8 / 1.03	821 Niagara St. Welland ON L3C 1M4	EHS
Order No:	20130111090			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	RSC Report (Rural)			Client Prov/State:	ON
Report Date:	23-JAN-13			Search Radius (km):	.3
Date Received:	09-JAN-13			X:	-694444.444444
Previous Site Name:				Y:	43.017076
Lot/Building Size:					
Additional Info Ordered:					

17	6 of 18	SW/217.4	177.8 / 1.03	Loblaw Companies Limited 821 Niagara St. N. Welland ON L3C 1M4	GEN
Generator No:	ON7692067			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Craig Hudak
MHSW Facility:	No			Phone No Admin:	9055957544 Ext.
SIC Code:	445110				
SIC Description:	SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES				

Detail(s)

Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	242

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			

17 7 of 18 **SW/217.4** **177.8 / 1.03** **Loblaws Companies Limited**
821 Niagara St. N.
Welland ON L3C 1M4 **GEN**

Generator No: ON7692067 **PO Box No:**
Status: **Country:** Canada
Approval Years: 2015 **Choice of Contact:** CO_OFFICIAL
Contam. Facility: No **Co Admin:**
MHSW Facility: No **Phone No Admin:**
SIC Code: 445110
SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

17 8 of 18 **SW/217.4** **177.8 / 1.03** **LOBLAWS INC.**
821 Niagara St. N.
Welland ON L3C 1M4 **GEN**

Generator No: ON7692067 **PO Box No:**
Status: Registered **Country:** Canada
Approval Years: As of Dec 2018 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No Admin:**
SIC Code:
SIC Description:

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145 L			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		148 A			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		242 L			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		242 T			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		261 B			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		261 I			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		261 L			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		262 C			
Waste Class Desc:		Detergents and soaps			
Waste Class:		262 L			
Waste Class Desc:		Detergents and soaps			
Waste Class:		263 A			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 L			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		269 L			
Waste Class Desc:		Organic non-halogenated pesticide and herbicide wastes			
Waste Class:		269 T			
Waste Class Desc:		Organic non-halogenated pesticide and herbicide wastes			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		331 L			
Waste Class Desc:		Waste compressed gases including cylinders			

17	9 of 18	SW/217.4	177.8 / 1.03	LOBLAWS INC. 821 Niagara St. N. Welland ON L3C 1M4	GEN
--------------------	---------	----------	--------------	---	------------

Generator No:	ON7692067	PO Box No:	
Status:	Registered	Country:	Canada
Approval Years:	As of Mar 2019	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	145 L
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	261 A
Waste Class Desc:	Pharmaceuticals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	331 L
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	263 A
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	269 T
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
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
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	262 C
Waste Class Desc:	Detergents and soaps
Waste Class:	261 B
Waste Class Desc:	Pharmaceuticals

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		261 I			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		261 L			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		148 A			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		269 L			
Waste Class Desc:		Organic non-halogenated pesticide and herbicide wastes			
Waste Class:		242 L			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		262 L			
Waste Class Desc:		Detergents and soaps			
Waste Class:		242 T			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		263 L			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

[17](#) 10 of 18 SW/217.4 177.8 / 1.03 ZEHR'S MARKETS #550
821 NIAGARA ST N
WELLAND ON L3C1M4 PES

Detail Licence No:	23-01-11283-0	Operator Box:	
Licence No:	11283	Operator Class:	
Status:		Operator No:	
Approval Date:		Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)	Oper Area Code:	905
Licence Type:	Limited Vendor	Oper Phone No:	6585131
Licence Type Code:	23	Operator Ext:	
Licence Class:	01	Operator Lot:	
Licence Control:	0	Oper Concession:	
Latitude:		Operator Region:	2
Longitude:		Operator District:	
Lot:		Operator County:	38
Concession:		Op Municipality:	
Region:		Post Office Box:	
District:		MOE District:	
County:		SWP Area Name:	
Trade Name:			
PDF Link:			

[17](#) 11 of 18 SW/217.4 177.8 / 1.03 ZEHR'S MARKETS #550
821 NIAGARA ST N
WELLAND ON L3C1M4 PES

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

17	12 of 18	SW/217.4	177.8 / 1.03	ZEHRS MARKETS #550 821 NIAGARA ST N WELLAND ON L3C 1M4	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	

17	13 of 18	SW/217.4	177.8 / 1.03	ZEHRS MARKETS 550 O/A LOBLAWS INC. 821 NIAGARA ST N WELLAND ON L3C1M4	PES
Detail Licence No: Licence No: 16843 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 7329377 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
County: Trade Name: PDF Link:				SWP Area Name:	
17	14 of 18	SW/217.4	177.8 / 1.03	ZEHRS MARKETS #550 821 NIAGARA ST N WELLAND ON L3C1M4	PES
Detail Licence No: Licence No: 11283 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Retail Vendor Class 03 Licence Type Code: 21 Licence Class: 03 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 6585131 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
17	15 of 18	SW/217.4	177.8 / 1.03	821 Niagara St. North Welland ON	SPL
Ref No: 6116-855NX9 Site No: Incident Dt: Year: Incident Cause: Valve / Fitting Leak Or Failure Incident Event: Contaminant Code: 38 Contaminant Name: FREON HP-62 (CFC) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Confirmed Nature of Impact: Air Pollution Receiving Medium: Receiving Env: MOE Response: Deferred Field Response Dt MOE Arvl on Scn: 5/31/2010 MOE Reported Dt: 5/4/2010 Dt Document Closed: Incident Reason: Equipment Failure - Malfunction of system components Site Name: Zehrs Food Plus<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Zehrs: 300 pounds of Freon HP-62 to atmosphere Contaminant Qty: 300 lb		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Other 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: Air Spills - Gases and Vapours Source Type:			
17	16 of 18	SW/217.4	177.8 / 1.03	Crossroads Refridgeration Limited 821 Niagara St North Welland ON	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
	7210-88GR82				
Ref No:				Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Other Discharges			Sector Type:	Other
Incident Event:				Agency Involved:	
Contaminant Code:	38			Nearest Watercourse:	
Contaminant Name:	REFRIGERANT GAS, N.O.S.			Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	
Nature of Impact:	Air Pollution			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	No Field Response			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	8/19/2010			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure - Malfunction of system components			Source Type:	
Site Name:	Zehrs<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Zehrs: 135 kg Refrigerant to Atmosphere				
Contaminant Qty:	135 kg				

[17](#)

17 of 18

SW/217.4

177.8 / 1.03

Crossroads Refrigeration Limited
821 Niagara Street
Welland ON L3C 1M4

SPL

Ref No:	1135-8RGPNL
Site No:	
Incident Dt:	14-FEB-12
Year:	
Incident Cause:	
Incident Event:	
Contaminant Code:	38
Contaminant Name:	FREON R-22 (CFC)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Environment Impact:	
Nature of Impact:	
Receiving Medium:	Sewage - Municipal/Private and Commercial
Receiving Env:	
MOE Response:	Planned Field Response
Dt MOE Arvl on Scn:	23-FEB-12
MOE Reported Dt:	14-FEB-12
Dt Document Closed:	
Incident Reason:	
Site Name:	Zehrs Market<UNOFFICIAL>
Site County/District:	
Site Geo Ref Meth:	
Incident Summary:	Zehrs: 150 kg MO99 (R22) leak to atm.
Contaminant Qty:	

Discharger Report:	
Material Group:	
Health/Env Conseq:	
Client Type:	
Sector Type:	
Agency Involved:	
Nearest Watercourse:	
Site Address:	821 Niagara Street
Site District Office:	
Site Postal Code:	
Site Region:	
Site Municipality:	Welland
Site Lot:	
Site Conc:	
Northing:	
Easting:	
Site Geo Ref Accu:	
Site Map Datum:	
SAC Action Class:	Air Spills - Gases and Vapours
Source Type:	

[17](#)

18 of 18

SW/217.4

177.8 / 1.03

Crossroads Refrigeration Limited
821 Niagara St
Welland ON L3C 1M4

SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility: SIC Code: 6571 SIC Description:		CAMERA/PHOTO. SUPPLY		Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		264 PHOTOPROCESSING WASTES			
19	2 of 41	SSE/244.5	176.8 / 0.03	BLACK PHOTO CORPORATION SEAWAY MALL, 800 NIAGARA ST. WELLAND C/O 371 GOUGH RD. MARKHAM ON L3C 5Z4	GEN
Generator No: ON0074333 Status: Approval Years: 88,89,90 Contam. Facility: MHSW Facility: SIC Code: 6571 SIC Description:		CAMERA/PHOTO. SUPPLY		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		264 PHOTOPROCESSING WASTES			
19	3 of 41	SSE/244.5	176.8 / 0.03	BLACK PHOTO CORPORATION 800 NIAGARA STREET SEAWAY MALL WELLAND ON L3C 5Z4	GEN
Generator No: ON0074333 Status: Approval Years: 92,93,97 Contam. Facility: MHSW Facility: SIC Code: 6571 SIC Description:		CAMERA/PHOTO. SUPPLY		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		264 PHOTOPROCESSING WASTES			
19	4 of 41	SSE/244.5	176.8 / 0.03	BLACK PHOTO CORPORATION 05-205 SEAWAY MALL, 800 NIAGARA ST. - WELLAND C/O 371 GOUGH ROAD MARKHAM ON L3C 5Z4	GEN
Generator No: ON0074333 Status: Approval Years: 94,95,96 Contam. Facility: MHSW Facility: SIC Code: 6571 SIC Description:		CAMERA/PHOTO. SUPPLY		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		264			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PHOTOPROCESSING WASTES			
19	5 of 41	SSE/244.5	176.8 / 0.03	BLACK PHOTO CORPORATION SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 1M3	GEN
Generator No:	ON0074333			PO Box No:	
Status:				Country:	
Approval Years:	98,99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	6571				
SIC Description:	CAMERA/PHOTO. SUPPLY				
<u>Detail(s)</u>					
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
19	6 of 41	SSE/244.5	176.8 / 0.03	WAL-MART CANADA INC. 800 NIAGARA STREET NORTH SEAWAY MALL WELLAND ON L3C 1M3	GEN
Generator No:	ON1881502			PO Box No:	
Status:				Country:	
Approval Years:	94,95,96,97			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	6411				
SIC Description:	DEPARTMENT STORES				
<u>Detail(s)</u>					
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
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:	243				
Waste Class Desc:	PCB'S				
19	7 of 41	SSE/244.5	176.8 / 0.03	WAL-MART CANADA INC. 800 NIAGARA STREET NORTH SEAWAY MALL STORE # 3110 WELLAND ON L3C 1M3	GEN
Generator No:	ON1881502			PO Box No:	
Status:				Country:	
Approval Years:	98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	6411				
SIC Description:	DEPARTMENT STORES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		243			
Waste Class Desc:		PCB'S			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			

19	8 of 41	SSE/244.5	176.8 / 0.03	WAL-MART CANADA INC. SEAWAY MALL STORE 3110 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	GEN
Generator No:	ON1881502			PO Box No:	
Status:				Country:	
Approval Years:	99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	6411				
SIC Description:	DEPARTMENT STORES				

<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		243			
Waste Class Desc:		PCB'S			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	9 of 41	SSE/244.5	176.8 / 0.03	WAL-MART CANADA CORP. 800 NIAGARA STREET NORTH STORE #3110 WELLAND ON L3C 1M3	GEN
Generator No:	ON1881502			PO Box No:	
Status:				Country:	
Approval Years:	02,03,04,05,06			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	441310				
SIC Description:	Automotive Parts & Accessories Stores				
<u>Detail(s)</u>					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	147				
Waste Class Desc:	CHEMICAL FERTILIZER WASTES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	243				
Waste Class Desc:	PCB'S				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	262				
Waste Class Desc:	DETERGENTS/SOAPS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	265				
Waste Class Desc:	GRAPHIC ART WASTES				
Waste Class:	311				
Waste Class Desc:	ORGANIC TANNERY WASTES				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
19	10 of 41	SSE/244.5	176.8 / 0.03	Healthscreen Solutions Inc. 800 Niagara St. Welland ON L3C 5Z4	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: ON9310752 Status: Approval Years: 02,03,04,06 Contam. Facility: MHSW Facility: SIC Code: SIC Description:				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 261					
Waste Class Desc: PHARMACEUTICALS					
Waste Class: 312					
Waste Class Desc: PATHOLOGICAL WASTES					
19	11 of 41	SSE/244.5	176.8 / 0.03	Niagara, Regional Municipality of 800 Niagara Street Welland ON L3C 5Z4	GEN
Generator No: ON4140331 Status: Approval Years: 05 Contam. Facility: MHSW Facility: SIC Code: 452999 SIC Description: All Other Miscellaneous General Merchandise Stores				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
19	12 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No: ON4794193 Status: Approval Years: 05,06,07,08 Contam. Facility: MHSW Facility: SIC Code: 452999 SIC Description: All Other Miscellaneous General Merchandise Stores				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 145					
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES					
Waste Class: 148					
Waste Class Desc: INORGANIC LABORATORY CHEMICALS					
Waste Class: 213					
Waste Class Desc: PETROLEUM DISTILLATES					
Waste Class: 221					
Waste Class Desc: LIGHT FUELS					
Waste Class: 242					
Waste Class Desc: HALOGENATED PESTICIDES					
Waste Class: 252					
Waste Class Desc: WASTE OILS & LUBRICANTS					
Waste Class: 261					
Waste Class Desc: PHARMACEUTICALS					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
19	13 of 41	SSE/244.5	176.8 / 0.03	Seaway Mall 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON5930414			PO Box No:	
Status:				Country:	
Approval Years:	05			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	453999				
SIC Description:	All Other Miscellaneous Store Retailers (except Beer and Wine-Making Supplies Stores)				
<u>Detail(s)</u>					
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		243			
Waste Class Desc:		PCB'S			
19	14 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No:	ON4794193			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	452999				
SIC Description:	All Other Miscellaneous General Merchandise Stores				
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		261			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

19	15 of 41	SSE/244.5	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				

19	16 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No:	ON4794193			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	452999				
SIC Description:	All Other Miscellaneous General Merchandise Stores				
<u>Detail(s)</u>					
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
19	17 of 41	SSE/244.5	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
19	18 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No:	ON4794193			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	452999				
SIC Description:	All Other Miscellaneous General Merchandise Stores				
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
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:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			

19	19 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
--------------------	----------	------------------	---------------------	--	------------

Generator No:	ON4794193	PO Box No:	
Status:		Country:	
Approval Years:	2012	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	452999		
SIC Description:	All Other Miscellaneous General Merchandise Stores		

Detail(s)

Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	148

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			

19	20 of 41	SSE/244.5	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			

19	21 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON	GEN
Generator No:	ON4794193			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	452999				
SIC Description:	ALL OTHER MISCELLANEOUS GENERAL MERCHANDISE STORES				
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		331 WASTE COMPRESSED GASES			
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES			
Waste Class: Waste Class Desc:		252 WASTE OILS & LUBRICANTS			
Waste Class: Waste Class Desc:		148 INORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:		221 LIGHT FUELS			
19	22 of 41	SSE/244.5	176.8 / 0.03	the forzani group 800 niagara st north welland ON	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON3617185 2013 451110 SPORTING GOODS STORES			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
19	23 of 41	SSE/244.5	176.8 / 0.03	Target Canada Co. 800 Niagara Street North Welland ON	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8560411 2013 452112			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		213 PETROLEUM DISTILLATES			
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		146 OTHER SPECIFIED INORGANICS			
Waste Class: Waste Class Desc:		261 PHARMACEUTICALS			
Waste Class: Waste Class Desc:		112 ACID WASTE - HEAVY METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

[19](#) 24 of 41 **SSE/244.5** **176.8 / 0.03** **Urgent Care Niagara - Welland Inc.
800 Niagara Street North
Welland ON** **GEN**

Generator No:	ON3109424	PO Box No:	
Status:		Country:	
Approval Years:	2013	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	621110		
SIC Description:	OFFICES OF PHYSICIANS		

Detail(s)

Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

[19](#) 25 of 41 **SSE/244.5** **176.8 / 0.03** **Urgent Care Niagara - Welland Inc.
800 Niagara Street North
Welland ON L3C 5Z4** **GEN**

Generator No:	ON3109424	PO Box No:	
Status:		Country:	Canada
Approval Years:	2016	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	
MHSW Facility:	No	Phone No Admin:	
SIC Code:	621110		
SIC Description:	OFFICES OF PHYSICIANS		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
		312			
Waste Class:		PATHOLOGICAL WASTES			
Waste Class Desc:					
		261			
Waste Class:		PHARMACEUTICALS			
Waste Class Desc:					
19	26 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No:	ON4794193			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Bob Vanyo
MHSW Facility:	Yes			Phone No Admin:	905-356-4141 Ext.2529
SIC Code:	452999				
SIC Description:	ALL OTHER MISCELLANEOUS GENERAL MERCHANDISE STORES				
<u>Detail(s)</u>					
		312			
Waste Class:		PATHOLOGICAL WASTES			
Waste Class Desc:					
		263			
Waste Class:		ORGANIC LABORATORY CHEMICALS			
Waste Class Desc:					
		147			
Waste Class:		CHEMICAL FERTILIZER WASTES			
Waste Class Desc:					
		242			
Waste Class:		HALOGENATED PESTICIDES			
Waste Class Desc:					
		148			
Waste Class:		INORGANIC LABORATORY CHEMICALS			
Waste Class Desc:					
		145			
Waste Class:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class Desc:					
		212			
Waste Class:		ALIPHATIC SOLVENTS			
Waste Class Desc:					
		221			
Waste Class:		LIGHT FUELS			
Waste Class Desc:					
		213			
Waste Class:		PETROLEUM DISTILLATES			
Waste Class Desc:					
		252			
Waste Class:		WASTE OILS & LUBRICANTS			
Waste Class Desc:					
		261			
Waste Class:		PHARMACEUTICALS			
Waste Class Desc:					
		331			
Waste Class:		WASTE COMPRESSED GASES			
Waste Class Desc:					
19	27 of 41	SSE/244.5	176.8 / 0.03	Michael Conte Pharmacy Corp 800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	GEN
Generator No:	ON8468724			PO Box No:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Nastran Najafi-Fard
MHSW Facility:	No			Phone No Admin:	416-493-1220 Ext.3218
SIC Code:	446110				
SIC Description:		446110			
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

19	28 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No:		ON4794193		PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Bob Vanyo
MHSW Facility:	Yes			Phone No Admin:	905-356-4141 Ext.2529
SIC Code:	452999				
SIC Description:		ALL OTHER MISCELLANEOUS GENERAL MERCHANDISE STORES			
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		145			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
19	29 of 41	SSE/244.5	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	30 of 41	SSE/244.5	176.8 / 0.03	the forzani group 800 niagara st north welland ON L3C 5Z5	GEN
Generator No:	ON3617185			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	451110				
SIC Description:	SPORTING GOODS STORES				
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
19	31 of 41	SSE/244.5	176.8 / 0.03	FGL SPORTS LIMITED 800 niagara st north welland ON L3C 5Z5	GEN
Generator No:	ON3617185			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	451110				
SIC Description:	SPORTING GOODS STORES				
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
19	32 of 41	SSE/244.5	176.8 / 0.03	Target Canada Co. 800 Niagara Street North Welland ON L3C 5Z4	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON8560411			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Carolyn Bue
MHSW Facility:	No			Phone No Admin:	800-587-2228 Ext.
SIC Code:	452112				
SIC Description:		452112			
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
19	33 of 41	SSE/244.5	176.8 / 0.03	Sears Canada 800 Niagara Street N Welland ON L3C 5Z4	GEN
Generator No:	ON8965643			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:	452110				
SIC Description:		DEPARTMENT STORES			
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
19	34 of 41	SSE/244.5	176.8 / 0.03	Mike Morcous Pharmacy Ltd. 800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	GEN
Generator No:	ON8468724			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Nastran Najafi-Fard
MHSW Facility:	No			Phone No Admin:	416-493-1220 Ext.3218
SIC Code:	446110				
SIC Description:		446110			
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
19	35 of 41	SSE/244.5	176.8 / 0.03	REGION OF NIAGARA 800 NIAGARA STREET WELLAND ON L3C 5Z4	GEN
Generator No:	ON4794193			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Bob Vanyo
MHSW Facility:	Yes			Phone No Admin:	905-356-4141 Ext.2529
SIC Code:	452999				
SIC Description:		ALL OTHER MISCELLANEOUS GENERAL MERCHANDISE STORES			
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

[19](#) 36 of 41 **SSE/244.5** **176.8 / 0.03** **Target Canada Co.
800 Niagara Street North
Welland ON L3C 5Z4** **GEN**

Generator No:	ON8560411	PO Box No:	
Status:		Country:	Canada
Approval Years:	2014	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	Carolyn Bue
MHSW Facility:	No	Phone No Admin:	800-587-2228 Ext.
SIC Code:	452112		
SIC Description:	452112		

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	262

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			

19	37 of 41	SSE/244.5	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

19	38 of 41	SSE/244.5	176.8 / 0.03	the forzani group 800 niagara st north welland ON L3C 5Z5	GEN
Generator No:	ON3617185			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	451110				
SIC Description:	SPORTING GOODS STORES				
<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

19	39 of 41	SSE/244.5	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Registered Approval Years: As of Dec 2018 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 261 A Waste Class Desc: Pharmaceuticals					
Waste Class: 312 P Waste Class Desc: Pathological wastes					
19	40 of 41	SSE/244.5	176.8 / 0.03	Michael Conte Pharmacy Corp 800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	GEN
Generator No: ON8468724 Status: Registered Approval Years: As of Dec 2018 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 261 A Waste Class Desc: Pharmaceuticals					
Waste Class: 312 P Waste Class Desc: Pathological wastes					
19	41 of 41	SSE/244.5	176.8 / 0.03	FGL SPORTS LIMITED 800 niagara st north welland ON L3C 5Z5	GEN
Generator No: ON3617185 Status: Registered Approval Years: As of Dec 2018 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 212 L Waste Class Desc: Aliphatic solvents and residues					
20	1 of 32	SSE/250.0	176.8 / 0.03	TACO BELL OF CANADA 800 NIAGARA ROAD WELLAND CITY ON	CA
Certificate #: 8-2256-94- Application Year: 94 Issue Date: 1/10/1995 Approval Type: Industrial air Status: Cancelled					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: CONDENSATE HOOD & FRYER EXHAUST HOOD Contaminants: Emission Control:					
20	2 of 32	SSE/250.0	176.8 / 0.03	TACO BELL OF CANADA 800 NIAGARA ROAD WELLAND CITY ON	CA
Certificate #: 8-2256-94-956 Application Year: 94 Issue Date: 1/17/95 Approval Type: Industrial air Status: Received in 1994, Issued in 1995 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: CONDENSATE & FRYER EXHAUST HOOD Contaminants: Odour/Fumes Emission Control: Panel Filter					
20	3 of 32	SSE/250.0	176.8 / 0.03	TARGET CANADA CO. 800 NIAGARA ST NORTH WELLAND ON L3C 5Z4	EASR
Approval No: R-003-3242049811 Status: REGISTERED Date: 2012-10-26 Record Type: EASR Link Source: MOFA Project Type: Heating System Full Address: Approval Type: EASR-Heating System Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2262 SWP Area Name: MOE District: City: WELLAND Latitude: Longitude: Geometry X: Geometry Y:					
20	4 of 32	SSE/250.0	176.8 / 0.03	TARGET CANADA CO. 800 NIAGARA ST NORTH WELLAND ON L3C 5Z4	EASR
Approval No: R-002-7253290218 Status: REGISTERED Date: 2012-10-26 Record Type: EASR Link Source: MOFA Project Type: Standby Power System Full Address: Approval Type: EASR-Standby Power System Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2370 SWP Area Name: MOE District: City: WELLAND Latitude: Longitude: Geometry X: Geometry Y:					
20	5 of 32	SSE/250.0	176.8 / 0.03	800 Niagara St N Welland ON L3C 5Z4	EHS
Order No: 20031003003 Nearest Intersection: Niagara St. N & Woodlawn					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: C Report Type: Basic Report Report Date: 10/14/03 Date Received: 10/3/03 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
20	6 of 32	SSE/250.0	176.8 / 0.03	800 Niagara St. N. Welland ON	EHS
Order No: 20050208027 Status: C Report Type: Report Date: 2/15/2005 Date Received: 2/8/2005 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -79.249636 Y: 43.01568					
20	7 of 32	SSE/250.0	176.8 / 0.03	800 Niagara Street North Welland ON	EHS
Order No: 20120529051 Status: C Report Type: Standard Report Report Date: 07-JUN-12 Date Received: 29-MAY-12 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.245385 Y: 43.016734					
20	8 of 32	SSE/250.0	176.8 / 0.03	800 Niagara Street North Welland ON	EHS
Order No: 20120719022 Status: C Report Type: Standard Report Report Date: 30-JUL-12 Date Received: 19-JUL-12 Previous Site Name: n/a Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Nearest Intersection: Municipality: Niagara Client Prov/State: ON Search Radius (km): .25 X: -79.249327 Y: 43.015824					
20	9 of 32	SSE/250.0	176.8 / 0.03	WAL MART # 3110 ATTN FRAN DAVID 800 NIAGARA ST WELLAND ON	EXP
Instance No: 31292064 Instance ID: 292538 Instance Type: FS Facility Description: FS Cylinder Exchange Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	10 of 32	SSE/250.0	176.8 / 0.03	Michael Conte Pharmacy Corp 800 NIAGARA ST. N., UNIT H2 WELLAND ON L3C 5Z4	GEN
Generator No:	ON8468724			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Mar 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
20	11 of 32	SSE/250.0	176.8 / 0.03	Urgent Care Niagara - Welland Inc. 800 Niagara Street North Welland ON L3C 5Z4	GEN
Generator No:	ON3109424			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Mar 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
20	12 of 32	SSE/250.0	176.8 / 0.03	FGL SPORTS LIMITED 800 niagara st north welland ON L3C 5Z5	GEN
Generator No:	ON3617185			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Mar 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
20	13 of 32	SSE/250.0	176.8 / 0.03	WAL-MART (SEAWAY MALL) SEAWAY MALL; 800 NIAGARA STREET WELLAND ON L3C 5Z4	NPCB

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

Company Code: F0608
 Industry:
 Site Status:
 Transaction Date:
 Inspection Date:

20	14 of 32	SSE/250.0	176.8 / 0.03	ZELLERS 800 NIAGARA Street WELLAND ON L3C5Z4	NPRI
--------------------	----------	-----------	--------------	--	------

<p>NPRI ID: 8800000623 Other ID: No Other ID: Track ID: Report ID: Report Type: Rpt Type ID: Report Year: 2004 Not-Current Rpt?:</p> <p>Yr of Last Filed Rpt: Fac ID: Fac Name: ZELLERS STORE #332, SEAWAY MALL Fac Address1: Fac Address2: Fac Postal Zip: Facility Lat: Facility Long: DLS (Last Filed Rpt): Facility DLS: Datum: Facility Cmnts: URL: No of Empl.: 20 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): 53 NAICS 2 Description: Real Estate and Rental and Leasing NAICS Code (4 digit): 5311 NAICS 4 Description: Lessors of Real Estate NAICS Code (6 digit): 531120 NAICS 6 Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)</p>	<p>Org ID: Submit Date: Last Modified: Contact ID: Cont Type: MED Contact Title: Mr. Cont First Name: FREDERICK Cont Last Name: WARE Contact Position: SENIOR MANAGER ENERGY ENVIRONMENT SOURCING INITIATIVES</p> <p>Contact Fax: Contact Ph.: Cont Area Code: 416 Contact Tel.: 8614938 Contact Ext.: Cont Fax Area Cde: 416 Contact Fax: 8616619 Contact Email: Fred.ware@hbc.com Latitude: Longitude: UTM Zone: UTM Northing: UTM Easting: Waste Streams: No Streams: Waste Off Sites: No Off Sites: Shutdown: No of Shutdown:</p>
---	---

Substance Release Report

CAS No: 11104-93-1
Report ID:
Rpt Period: 2004
Subst Released: Nitrogen oxides (expressed as NO2)
Air:
Water:
Land:
Total Releases:
Units: tonnes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
CAS No:		74-82-8			
Report ID:					
Rpt Period:		2004			
Subst Released:		Methane			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		7446-09-5			
Report ID:					
Rpt Period:		2004			
Subst Released:		Sulphur dioxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		124-38-9			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon dioxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		811-97-2			
Report ID:					
Rpt Period:		2004			
Subst Released:		HFC-134a Hydrofluorocarbon			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		NA - M10			
Report ID:					
Rpt Period:		2004			
Subst Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		NA - M16			
Report ID:					
Rpt Period:		2004			
Subst Released:		Volatile Organic Compounds (VOCs)			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		630-08-0			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon monoxide			
Air:					
Water:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Land:					
Total Releases:					
Units: tonnes					
CAS No: NA - M08					
Report ID:					
Rpt Period: 2004					
Subst Released: PM - Total Particulate Matter					
Air:					
Water:					
Land:					
Total Releases:					
Units: tonnes					
CAS No: NA - M09					
Report ID:					
Rpt Period: 2004					
Subst Released: PM10 - Particulate Matter <= 10 Microns					
Air:					
Water:					
Land:					
Total Releases:					
Units: tonnes					
CAS No: 10024-97-2					
Report ID:					
Rpt Period: 2004					
Subst Released: Nitrous oxide					
Air:					
Water:					
Land:					
Total Releases:					
Units: tonnes					
20	15 of 32	SSE/250.0	176.8 / 0.03	WAL-MART (SEAWAY MALL) SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 5Z4	OPCB
Year: 1995					
Site Number: 20394A021					
Name Owner:					
Additional Site Information:					
20	16 of 32	SSE/250.0	176.8 / 0.03	WAL-MART (SEAWAY MALL) SEAWAY MALL 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	OPCB
Year: 1998					
Site Number: 20394A021					
Name Owner:					
Additional Site Information:					
20	17 of 32	SSE/250.0	176.8 / 0.03	WAL-MART (SEAWAY MALL) SEAWAY MALL 800 NIAGARA STREET NORTH WELLAND ON L3C 1M3	OPCB
Year: 1999					
Site Number: 20394A021					
Name Owner:					
Additional Site Information:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	18 of 32	SSE/250.0	176.8 / 0.03	WOOLCO DEPARTMENT STORE #6332 SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 5Z4	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
20	19 of 32	SSE/250.0	176.8 / 0.03	WAL-MART CANADA INC. #3110 SEAWAY MALL 800 NIAGARA STREET WELLAND ON L3C 5Z4	PES
Detail Licence No: 23-01-05995-0 Licence No: 05995 Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: 0 Latitude: Longitude: Lot: Concession: Region: 2 District: 1 County: 38 Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: 2 Operator District: 1 Operator County: 38 Op Municipality: Post Office Box: MOE District: SWP Area Name:			
20	20 of 32	SSE/250.0	176.8 / 0.03	ZELLERS STORE #332 SEAWAY MALL, 800 NIAGARA STREET NORTH WELLAND ON L3C 5Z4	PES
Detail Licence No: 23-01-11536-0 Licence No: 11536 Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: 0 Latitude:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: 2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p> Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: </p>					
20	21 of 32	SSE/250.0	176.8 / 0.03	Operator District: 1 Operator County: 38 Op Municipality: Post Office Box: MOE District: SWP Area Name:	PES
<p> Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: </p>					
20	22 of 32	SSE/250.0	176.8 / 0.03	Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	PES
<p> Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: </p>					
20	23 of 32	SSE/250.0	176.8 / 0.03	Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	PES
<p> Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	

20	24 of 32	SSE/250.0	176.8 / 0.03	SHOPPERS DRUG MART #0793 (SEAWAY MALL) 800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	

20	25 of 32	SSE/250.0	176.8 / 0.03	ZELLERS INC (WELLAND) 800 NIAGARA ST WELLAND ON L3C 5Z4	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
District: County: Trade Name: PDF Link:		MOE District: SWP Area Name:			
20	26 of 32	SSE/250.0	176.8 / 0.03	SHOPPERS DRUG MART #0793 (SEAWAY MALL) 800 NIAGARA STREET NORTH WELLAND ON L3C5Z4	PES
Detail Licence No: Licence No: 13084 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 7357525 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
20	27 of 32	SSE/250.0	176.8 / 0.03	TARGET CANADA CO. STORE# T3645 1056-800 NIAGARA ST N WELLAND ON L3C5Z4	PES
Detail Licence No: Licence No: 16341 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: TBD Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
20	28 of 32	SSE/250.0	176.8 / 0.03	ZELLERS INC (WELLAND) 800 NIAGARA ST WELLAND ON L3C5Z4	PES
Detail Licence No: Licence No: 15427 Status: Approval Date:		Operator Box: Operator Class: Operator No: Operator Type:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code: 905	
Licence Type:	Limited Vendor			Oper Phone No: 7356710	
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

20	29 of 32	SSE/250.0	176.8 / 0.03	BARRY RAY PHARMACY LTD. (SHOPPERS DRUG MART #793) 800 NIAGARA ST N WELLAND ON L3L5Z4	PES
Detail Licence No:				Operator Box:	
Licence No:	13421			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code: 905	
Licence Type:	Limited Vendor			Oper Phone No: 7357524	
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

20	30 of 32	SSE/250.0	176.8 / 0.03	ZELLERS STORE #332 SEAWAY MALL, 800 NIAGARA ST N WELLAND ON L3C5Z4	PES
Detail Licence No:	23-01-11536-0			Operator Box:	
Licence No:	11536			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code: 905	
Licence Type:	Limited Vendor			Oper Phone No: 7356710	
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:	0			Oper Concession:	
Latitude:				Operator Region: 2	
Longitude:				Operator District: 1	
Lot:				Operator County: 38	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	31 of 32	SSE/250.0	176.8 / 0.03	Clear Energy LSP 800 Niagara St Welland ON L3C 5Z4	SCT
Established:		01-DEC-05			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Wholesale Trade Agents and Brokers			
SIC/NAICS Code:		419120			
Description:		Electrical Contractors and Other Wiring Installation Contractors			
SIC/NAICS Code:		238210			
Description:		All Other Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417990			
Description:		Power and Communication Line and Related Structures Construction			
SIC/NAICS Code:		237130			
Description:		Professional Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417930			
20	32 of 32	SSE/250.0	176.8 / 0.03	WOOLCO SERVICE CENTRE 800 NIAGARA ST. WELLAND CITY ON L3C 5Z4	SPL
Ref No:		87690		Discharger Report:	
Site No:				Material Group:	
Incident Dt:		6/28/1993		Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:		UNDERGROUND TANK LEAK		Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:		CONFIRMED		Site Municipality: 18104	
Nature of Impact:		Soil contamination		Site Lot:	
Receiving Medium:		LAND		Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:		6/28/1993		Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:		CORROSION		Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		WOOLCO: LEAK FOUND IN WASTE OIL TANK			
Contaminant Qty:					

Unplottable Summary

Total: 25 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	WELLAND CITY	QUAKER RD. E. OF N.R. 50	WELLAND CITY ON	
CA	WELLAND CITY	NIAGARA STREET	WELLAND CITY ON	
CA	WELLAND SOCCER CLUB	EASEMENT & QUAKER RD.	WELLAND CITY ON	
CA	WELLAND CITY	QUAKER ROAD	WELLAND CITY ON	
CA	Willow Landing Subdivision	T.B.A - East Side Lancaster Drive	Welland ON	
CA	Willow Landing Subdivision	T.B.A - East Side Lancaster Drive	Welland ON	
CA	DORAL HOLDINGS LIMITED	LANCASTER DR.,PT.LOTS 229&230	WELLAND CITY ON	
CA	DORAL HOLDINGS LIMITED	JEFFERSON COURT EAST & WEST	WELLAND CITY ON	
CA	WELLAND CITY	QUAKER ROAD	WELLAND CITY ON	
CA	CITY	HWY.#58	THOROLD CITY ON	
CA	LANTANA HOLDINGS BRIAN CHEV. OLDS	EASEMENT QUAKER RD.	WELLAND CITY ON	
CA		Part of Lot 231	Welland ON	
CA	ASHTON HOMES (WESTERN) LTD.	QUAKER RD./LANCASTER DR.	WELLAND CITY ON	
CA	THE EXOLON-ESK CO.OF CAN.LTD.	NIAGARA ST.	THOROLD CITY ON	
CA	WELLAND CITY	NIAGARA ST.	WELLAND CITY ON	
EBR	David Chevrolet Geo Oldsmobile Ltd.	Part of Lot 231 Welland Ontario Welland	ON	
EBR	David Chevrolet Geo Oldsmobile Ltd.	Part of Lot 231 Welland Ontario Welland	ON	
NEES	MACLAWN SPRAY LTD.		WELLAND CITY ON	

SPL		Niagara Street, btwn Merritt Rd & Zehr's parking lot on West side of road	Welland ON
SPL	St. Lawrence Seaway Management Corporation	Welland Canal Pkwy LOCK 5, VALVE WELL<UNOFFICIAL>	Thorold ON
SPL	Welland Hydro-Electric System Corp.	Quaker Road	Welland ON
SPL	LAILAW ENVIRONMENTAL SERVICES	HIGHWAY 58, WELLAND TRANSPORT TRUCK (CARGO)	WELLAND CITY ON
SPL	MOTOR VEHICLE	NIAGARA STREET IN FRONT OF SEAWAY MALL MOTOR VEHICLE (OPERATING FLUID)	WELLAND CITY ON
SPL	PRIVATE OWNER	NIAGARA ST. STORAGE TANK/BARREL	WELLAND CITY ON
WWIS		lot 231	ON

Unplottable Report

Site: WELLAND CITY
QUAKER RD. E. OF N.R. 50 WELLAND CITY ON

Database:
CA

Certificate #: 3-1209-89-
Application Year: 89
Issue Date: 6/27/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WELLAND CITY
NIAGARA STREET WELLAND CITY ON

Database:
CA

Certificate #: 7-0351-87-
Application Year: 87
Issue Date: 4/10/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WELLAND SOCCER CLUB
EASEMENT & QUAKER RD. WELLAND CITY ON

Database:
CA

Certificate #: 3-1088-86-
Application Year: 86
Issue Date: 8/27/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WELLAND CITY
QUAKER ROAD WELLAND CITY ON

Database:
CA

Certificate #: 7-1177-88-
Application Year: 88

Issue Date: 8/5/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Willow Landing Subdivision**
T.B.A - East Side Lancaster Drive Welland ON

Database:
CA

Certificate #: 0280-4X8HR4
Application Year: 01
Issue Date: 5/31/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Langendoen Homes Ltd.
Client Address: P.O. Box 8
Client City: Lincoln
Client Postal Code: LOR 1S0
Project Description: This application is for the construction of watermains and appurtenances on Lancaster Drive and Willow Landing Court.
Contaminants:
Emission Control:

Site: **Willow Landing Subdivision**
T.B.A - East Side Lancaster Drive Welland ON

Database:
CA

Certificate #: 5370-4X8J28
Application Year: 01
Issue Date: 5/31/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Langendoen Homes Ltd.
Client Address: P.O. Box 8
Client City: Lincoln
Client Postal Code: LOR 1S0
Project Description: This application is for the construction of storm and sanitary sewers on Willow Landing Subdivision.
Contaminants:
Emission Control:

Site: **DORAL HOLDINGS LIMITED**
LANCASTER DR.,PT.LOTS 229&230 WELLAND CITY ON

Database:
CA

Certificate #: 3-1187-93-
Application Year: 93
Issue Date: 11/12/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: DORAL HOLDINGS LIMITED
JEFFERSON COURT EAST & WEST WELLAND CITY ON

Database:
CA

Certificate #: 3-1150-93-
Application Year: 93
Issue Date: 10/8/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WELLAND CITY
QUAKER ROAD WELLAND CITY ON

Database:
CA

Certificate #: 3-1368-88-
Application Year: 88
Issue Date: 8/5/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
HWY.#58 THOROLD CITY ON

Database:
CA

Certificate #: 3-0161-85-006
Application Year: 85
Issue Date: 3/13/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: LANTANA HOLDINGS BRIAN CHEV. OLDS
EASEMENT QUAKER RD. WELLAND CITY ON

Database:
CA

Certificate #: 3-0646-86-
Application Year: 86
Issue Date: 6/27/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: **Part of Lot 231 Welland ON** **Database:** **CA**

Certificate #: 1272-4LRRTT
Application Year: 00
Issue Date: 7/6/00
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: David Chevrolet Geo Oldsmobile Ltd.
Client Address: 915 Niagara Street
Client City: Welland
Client Postal Code: L3C 1M4
Project Description: This application is for emissions to the atmosphere from 3 paint spray booths in the application of a solvent based refinish coating to repair automotive components.
Contaminants:
Emission Control: Other Wet Collector

Site: **ASHTON HOMES (WESTERN) LTD.** **Database:** **CA**
QUAKER RD./LANCASTER DR. WELLAND CITY ON

Certificate #: 3-0236-94-
Application Year: 94
Issue Date: 3/28/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **THE EXOLON-ESK CO.OF CAN.LTD.** **Database:** **CA**
NIAGARA ST. THOROLD CITY ON

Certificate #: 8-2025-85-006
Application Year: 85
Issue Date: 3/11/85
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants: Suspended Particulate Matter
Emission Control: Baghouse (Incl Vent Fil.)

Site: **WELLAND CITY** **Database:** **CA**
NIAGARA ST. WELLAND CITY ON

Certificate #: 7-1058-88-
Application Year: 88
Issue Date: 8/19/1988
Approval Type: Municipal water
Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *David Chevrolet Geo Oldsmobile Ltd.*
Part of Lot 231 Welland Ontario Welland ON

Database:
EBR

EBR Registry No: IA00E0753 **Year:** 2000
Ministry Ref No: 0115-4JWP4W **Act 1:**
Notice Type: Instrument Decision **Act 2:**
Notice Stage: 800476586 **Comment Period:**
Notice Date: July 07, 2000 **Section:**
Proposal Date: May 01, 2000 **Site Location Map:**
Decision Posted:
Posted By:
Company Name: David Chevrolet Geo Oldsmobile Ltd.
Off Instrument Name:
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Proponent Name:
Proponent Address: 915 Niagara Street, Welland Ontario, L3C 1M4
Site Address:
Location Other:
URL:

Site Location Details:

Part of Lot 231 Welland Ontario Welland

Site: *David Chevrolet Geo Oldsmobile Ltd.*
Part of Lot 231 Welland Ontario Welland ON

Database:
EBR

EBR Registry No: IA06E0065 **Year:** 2006
Ministry Ref No: 3130-6KSS7R **Act 1:**
Notice Type: Instrument Decision **Act 2:**
Notice Stage: **Comment Period:**
Notice Date: November 20, 2006 **Section:**
Proposal Date: January 13, 2006 **Site Location Map:**
Decision Posted:
Posted By:
Company Name: David Chevrolet Geo Oldsmobile Ltd.
Off Instrument Name:
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Proponent Name:
Proponent Address: 915 Niagara Street, Welland Ontario, L3C 1M4
Site Address:
Location Other:
URL:

Site Location Details:

Part of Lot 231 Welland Ontario Welland

Site: *MACLAWN SPRAY LTD.*
WELLAND CITY ON

Database:
NEES

Incident Date: 6/11/88
Contaminant: DIESEL FUEL
Amount: 0

Units: OA
Quantity:
Cause: Negligence
Source: Other Motor Vehicle
Reason:
Sector: Service Industry

Site: **Niagara Street, btwn Merritt Rd & Zehr's parking lot on West side of road Welland ON**

Database:
SPL

Ref No: 1237-7WNQD4
Site No:
Incident Dt:
Year:
Incident Cause: Other Discharges
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium:
Receiving Env:
MOE Response: Deferred Field Response
Dt MOE Arvl on Scn: 10/9/2009
MOE Reported Dt: 10/9/2009
Dt Document Closed:
Incident Reason: Spill
Site Name: Niagara Street<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Welland: TT spilled diesel to rd, 7 CBs impacted
Contaminant Qty: 25 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Transport Truck
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: Watercourse Spills
Source Type:

Site: **St. Lawrence Seaway Management Corporation
Welland Canal Pkwy LOCK 5, VALVE WELL<UNOFFICIAL> Thorold ON**

Database:
SPL

Ref No: 6363-6LKMW9
Site No:
Incident Dt: 1/31/2006
Year:
Incident Cause: Other Discharges
Incident Event:
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/31/2006
Dt Document Closed:
Incident Reason: Other - Reason not otherwise defined
Site Name: WELLAND CANAL PKWY
Site County/District:
Site Geo Ref Meth:
Incident Summary: St. Lawr. Seawy: 250 L hydr oil to valve well, contd
Contaminant Qty: 250 L

Discharger Report:
Material Group: Oils
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address: WELLAND CANAL PKWY
Site District Office: Niagara
Site Postal Code:
Site Region:
Site Municipality: Thorold
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: Welland Hydro-Electric System Corp.
Quaker Road Welland ON

Database:
SPL

Ref No:	3267-6EB7CU	Discharger Report:	0
Site No:		Material Group:	Oil
Incident Dt:	7/14/2005	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Other Discharges	Sector Type:	Transformer
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:	MINERAL OIL	Site Address:	
Contaminant Limit 1:		Site District Office:	Niagara
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Welland
Nature of Impact:		Site Lot:	
Receiving Medium:	Land	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/14/2005	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spills to Land
Incident Reason:	Storm/Flood - Resulting from storm/flood/lightening	Source Type:	
Site Name:	Transformer on Quaker Road School Property<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Welland Hydro - non-PCB min oil - 175L		
Contaminant Qty:			

Site: LAIDLAW ENVIRONMENTAL SERVICES
HIGHWAY 58, WELLAND TRANSPORT TRUCK (CARGO) WELLAND CITY ON

Database:
SPL

Ref No:	79029	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	11/20/1992	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CONTAINER LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	18104
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	11/20/1992	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	UNKNOWN	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	LAIDLAW TRANS. TRUCK - 450L DIESEL TO HWY. 58 FROM RUPTURED SADDLE TANK		
Contaminant Qty:			

Site: MOTOR VEHICLE
NIAGARA STREET IN FRONT OF SEAWAY MALL MOTOR VEHICLE (OPERATING FLUID) WELLAND CITY ON

Database:
SPL

Ref No:	69497	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	4/21/1992	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	Sector Type:	

Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	18104
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	NIAGARA R.M. WORKS & POLICE
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/21/1992	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MOTOR VEHICLE: 10 L PAINTTO ROAD IN VEHICLE ACCIDENT		
Contaminant Qty:			

Site: PRIVATE OWNER **Database:** SPL
 NIAGARA ST. STORAGE TANK/BARREL WELLAND CITY ON

Ref No:	118173	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	9/6/1995	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CONTAINER LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	18104
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	9/6/1995	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO SOLVENT SERVICE- 0.5 L VARSOL TO ASPHALT FROM BARREL, CLEANED UP.		
Contaminant Qty:			

Site: lot 231 ON **Database:** WWIS

Well ID:	6601895	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/13/1950
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3409
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NIAGARA (WELLAND)
Elevation (m):		Municipality:	WELLAND CITY (THOROLD)
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	231
Well Depth:		Concession:	

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

Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10461628
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 6/12/1948
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 932593498
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 92
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932593499
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 92
Formation End Depth: 112
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932593500
Layer: 3
Color:
General Color:

Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 112
Formation End Depth: 114
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11010198
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930749928
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 114
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996601895
Pump Set At:
Static Level: 15
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933949192
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 114
Water Found Depth UOM: ft

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 2018

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

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-Jan 31, 2019

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 2017

Commercial Fuel Oil Tanks:

Provincial

CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017

Chemical Register:

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, 2019

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 - Mar 2019

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial

CONV

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

Government Publication Date: 1989-May 2019

Certificates of Property Use:

Provincial

CPU

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

Government Publication Date: 1994-Jun 30, 2019

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 - Oct 2018

Environmental Activity and Sector Registry:

Provincial

EASR

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

Government Publication Date: Oct 2011-Jun 31, 2019

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994-Jun 30, 2019

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011-Jun 31, 2019

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-Apr 30, 2019

Environmental Issues Inventory System:

Federal [EIS](#)

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 EIS 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 or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of TSSA Expired Facilities:

Provincial [EXP](#)

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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.

Government Publication Date: Jun 2000-May 2019

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 2018

Fuel Storage Tank:

Provincial

FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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-Mar 31, 2019

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 2017

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*

TSSA Incidents:

Provincial

INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will 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-Jan 2019

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, 2017

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 National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Dec 31, 2018

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-May 31, 2019

Ontario Oil and Gas Wells:

Provincial

OGGW

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 OGSRLibrary 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-May 2018

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-Jun 30, 2019

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: 1988-Mar 2019

TSSA Pipeline Incidents:

Provincial [PINC](#)

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial [PRT](#)

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial [PTTW](#)

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

Government Publication Date: 1994-Jun 30, 2019

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: 1986-2016

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-May 2019

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-Jan 31, 2019

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**

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-Feb 2019

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, 2017

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-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial **VAR**

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011-Jun 31, 2019

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

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

Government Publication Date: Feb 28, 2019

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.

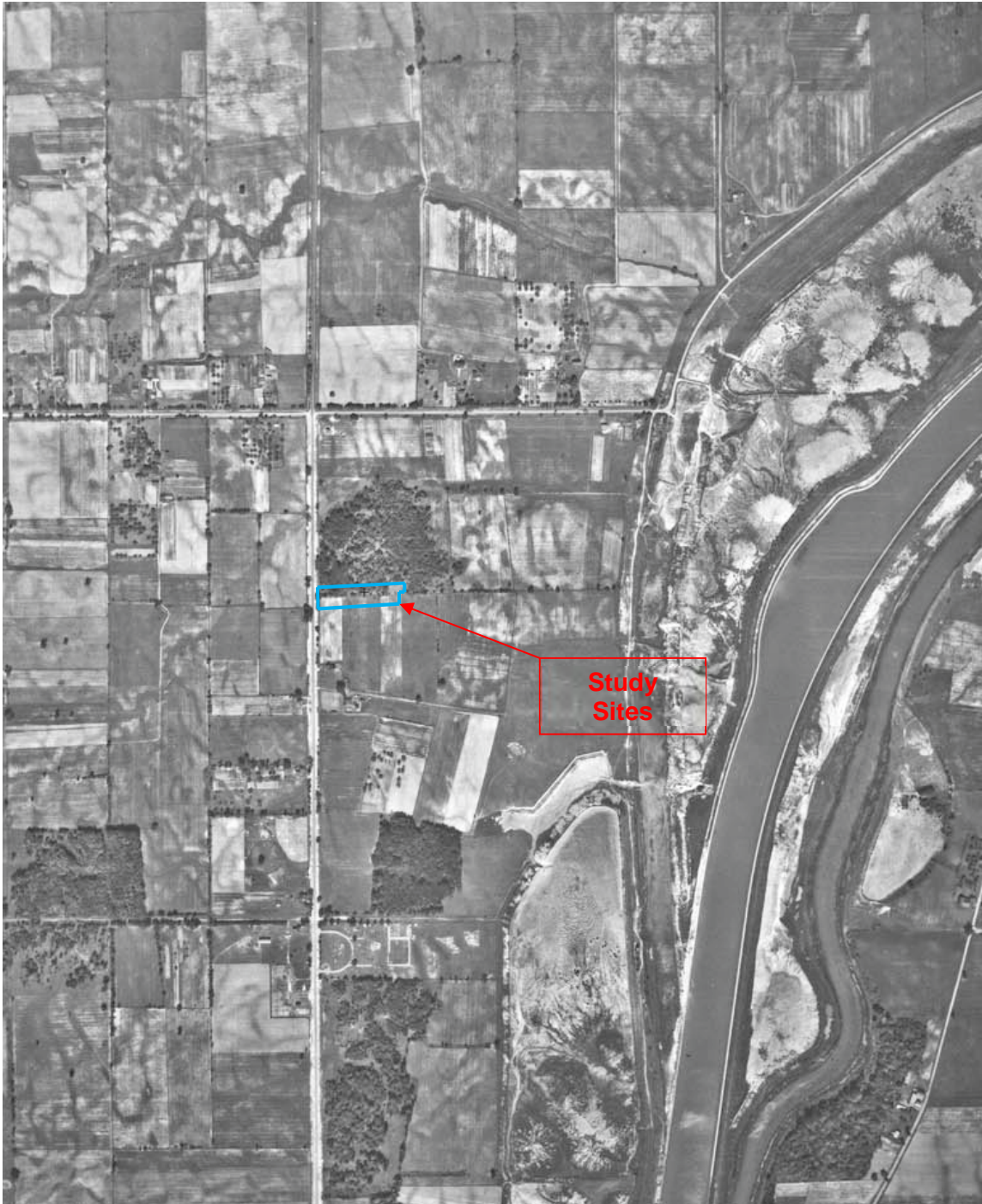
The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

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 E:
Aerial Photographs

Aerial Photographs

1934



1954



1965



1971



1983



1989



1994



2006



2009



2013



2018



Appendix F:

Ontario Oil, Gas & Salt Resources Library and Ministry of the Environment, Conservation and
Parks Water Well Records

Oil, Gas & Salt Resources Library: 858-862 Niagara Street, Welland, ON



According to the Ministry of the Environment, Conservation and Parks (MECP) Well Records database, no well records were associated with the study sites; however, nine (9) records were available from within the study area (250 m radius). One (1) of the records (#7240005) contained no pertinent information and was not included in this report. Each record can contain information pertaining to date of installation, well use, type of stratigraphy encountered and groundwater levels. The available records are included below.

11

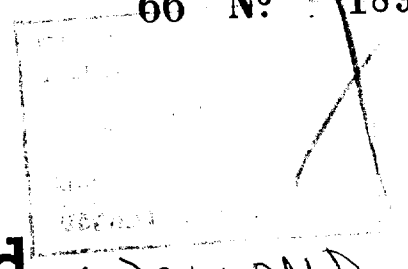
66 No. 1894



ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

UTM [] Z [] E
[9] R [] N
Elev. [9] R []
Basin [24] [] [] []



Water-Well Record

WELLAND

Municipal District Welland Township, Village, Town or City (Harold)
Village, Town or City
Address R.R.#2 Welland

Date completed
(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 6 1/4"
Length(s) 89 ft. of casing
Type of screen no screen
Length of screen no screen

Static level 18'
Pumping rate 300 gal per hour
Pumping level 25'
Duration of test 2 hrs.

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<u>Hard clay</u>	<u>0</u>	<u>22'</u>	<u>90 ft</u>	<u>72'</u>	<u>fresh, slightly bit of sulphur</u>
<u>Soft blue clay</u>	<u>22</u>	<u>54'</u>			
<u>Hard sand</u>	<u>54</u>	<u>76</u>			
<u>fine sand</u>	<u>76</u>	<u>85'</u>			
<u>Hard pan</u>	<u>85</u>	<u>89</u>			
<u>Limestone Rock</u>	<u>89</u>	<u>92</u>			

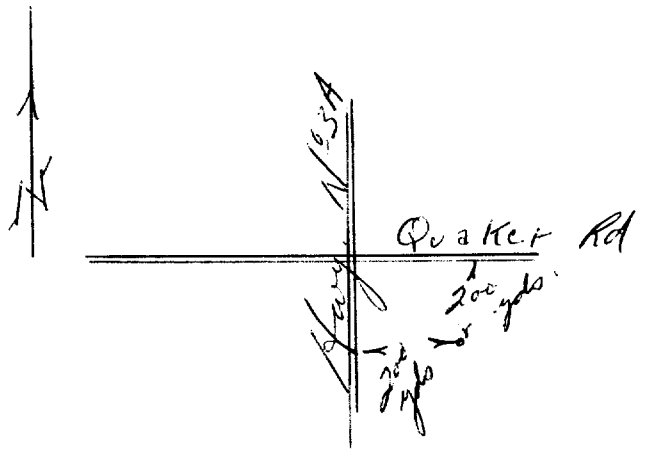
For what purpose (s) is the water to be used?
Household use
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside? upland
Drilling firm W.A. Lumsden & Sons
Address 30 Dundas St. W.
Name of Driller W.A. & G.R. Lumsden
Address 30 Dundas St. W.
Licence Number 311

I certify that the foregoing statements of fact are true.

Date April 3/55 W.A. Lumsden
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Measurements recorded in: Metric Imperial

Not tagged

6360 Page 3 of 3

Well Owner's Information

First Name: _____ Last Name / Organization: Canadian Tire Corporation E-mail Address: _____ Well Constructed by Well Owner

Mailing Address (Street Number/Name): 2180 Young St. Municipality: Toronto Province: On. Postal Code: M4P 2V8 Telephone No. (inc. area code): _____

Well Location

Address of Well Location (Street Number/Name): 777 Niagara St. Township: _____ Lot: _____ Concession: _____

County/District/Municipality: _____ City/Town/Village: Welland Province: Ontario Postal Code: _____

UTM Coordinates: Zone: _____ Easting: 17642571 Northing: 4764098 Municipal Plan and Sublot Number: _____ Other: _____

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<u>Decommissioned</u>					
<u>2</u>					

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
<u>0</u> to <u>2m</u>	<u>Bentonite grout slurry</u>	<u>0.0791</u>

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input checked="" type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
<u>5.20</u>	<u>plastic</u>	<u>0.390</u>	<u>0</u>	<u>2m</u>	

Construction Record - Screen				Status of Well
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From: _____ To: _____	

Water Details		Hole Diameter	
Water found at Depth (m/ft): _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From: _____ To: _____	Diameter (cm/in): _____
Water found at Depth (m/ft): <u>0</u>	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From: <u>0</u> To: <u>2m</u>	Diameter (cm/in): <u>90.32</u>
Water found at Depth (m/ft): _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		

Well Contractor and Well Technician Information			
Business Name of Well Contractor: <u>Strata Soil Sampling Inc.</u>		Well Contractor's Licence No.: <u>7 2 4 1</u>	
Business Address (Street Number/Name): <u>147 West Beaver Creek Rd Unit 2</u>		Municipality: <u>Richmond Hill</u>	
Province: <u>ON</u>	Postal Code: <u>L4B 1C6</u>	Business E-mail Address: <u>wrecords@stratasols.com</u>	
Bus. Telephone No. (inc. area code): <u>905 764 9304</u>	Name of Well Technician (Last Name, First Name): <u>Mike Brown</u>		
Well Technician's Licence No.: <u>7-2977</u>	Signature of Technician and/or Contractor: _____	Date Submitted: <u>20090520</u>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: _____	Static Level			
	1		1	
	Pump intake set at (m/ft)	2		2
	Pumping rate (l/min / GPM)	3		3
	Duration of pumping _____ hrs + _____ min	4		4
	Final water level end of pumping (m/ft)	5		5
If flowing give rate (l/min / GPM)	10		10	
	15		15	
	20		20	
	Recommended pump depth (m/ft)	25		25
	Recommended pump rate (l/min / GPM)	30		30
	Well production (l/min / GPM)	40		40
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	50		50	
	60		60	

Map of Well Location

Please provide a map below following instructions on the back.

777 Niagara St.

Abandoned well

Niagara St.

Comments: _____

Well owner's information package delivered		Date Package Delivered		Ministry Use Only	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Y Y Y Y	M M D D	Audit No. <u>Z 098094</u>	REC <u>JUN 08 2009</u>



Ontario

WATER WELL RECORD

30m/30

CABLE 11 6602952 66006 CON. 231/30

COUNTY OR DISTRICT: Welland TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Thorold CON., BLOCK, TRACT, SURVEY, ETC.: 231 LOT 25-27: 231

ADDRESS: 24 Empress Ave Welland Ont. DATE COMPLETED: 01-06-74

ZONE	EASTING	NORTHING	RC.	ELEVATION	RC.	Basin CODE	II	III	IV
6602952	17	642581	4	594	4	24	JUN 15, 1977		284

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	fine sand		soft	0	2
brown	clay		dense	2	15
grey	clay		packed	15	50
brown	clay		packed	50	75
brown	clay	gravel	packed	75	102
grey	course sand		loose	102	104

31 0002608 0015605 0050205 0075605 010260511 0104210

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0104	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 7/8	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	0	0104
6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			
6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		41-44 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33 80

71 PUMPING TEST

10 PUMPING TEST METHOD: 1 PUMP 2 BAILER

11-14 PUMPING RATE: 0014 GPM. 15-16 DURATION OF PUMPING: 01 HOURS 30 MINS

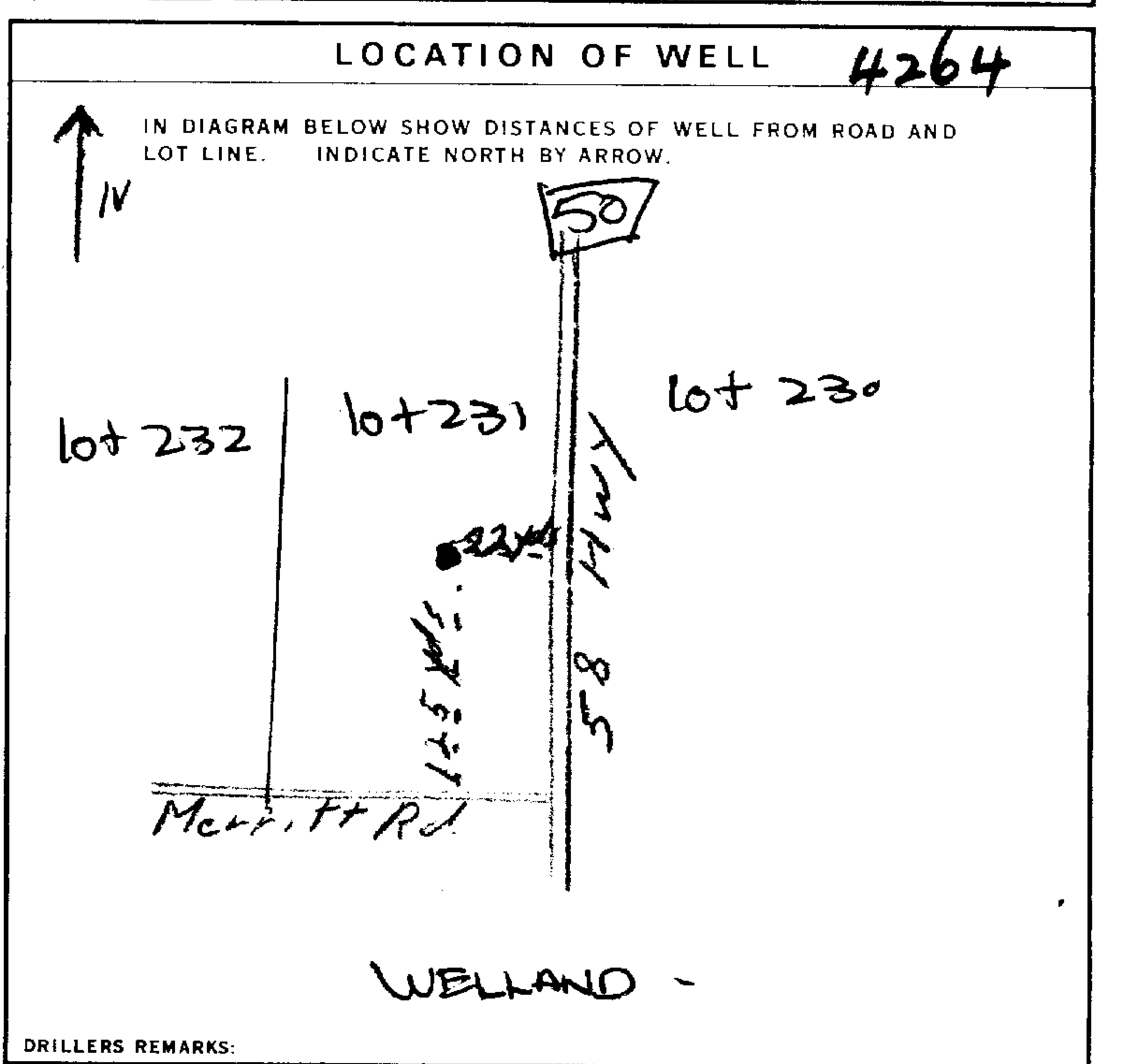
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
035	050	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
035	035	035	035	035	035

38-41 PUMP INTAKE SET AT: 080 FEET

42 WATER AT END OF TEST: 1 CLEAR 2 CLOUDY

43-45 RECOMMENDED PUMP SETTING: 080 FEET

46-49 RECOMMENDED PUMPING RATE: 0012 GPM.



FINAL STATUS OF WELL 1 WATER SUPPLY

WATER USE 01 1 DOMESTIC

METHOD OF DRILLING 1 CABLE TOOL

CONTRACTOR

NAME OF WELL CONTRACTOR: Ronald Merritt LICENCE NUMBER: 3640

ADDRESS: RR#1 Smithville

NAME OF DRILLER OR BORER: Ronald Merritt LICENCE NUMBER: 3640

SIGNATURE OF CONTRACTOR: Donald Merritt SUBMISSION DATE: DAY 15 MO June YR 1977

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3640 DATE RECEIVED: 020774

DATE OF INSPECTION: INSPECTOR:

REMARKS: CSS.SS P/S WI

Address of Well Location (Street Number/Name) **127 Quaker Rd** Township **WELLAND** Lot **230** Concession **1**
 County/District/Municipality **NIAGARA Region** City/Town/Village **WELLAND** Province **Ontario** Postal Code **L3C3G3**
 UTM Coordinates Zone Easting Northing **NAD 83 17T0642725 43 01.294** Municipal Plan and Sublot Number **UTM 4764899**

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
BROWN	clay			0	60
Red	clay			60	89
Red	clay	gravel boulders		89	100
GREY	limestone		Bedrock	100	120

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 20	Benseal	

Results of Well Yield Testing

After test of well yield, water was:
 Clear and sand free
 Other, specify _____

If pumping discontinued, give reason: _____

Pump intake set at (m/ft) **110**

Pumping rate (l/min / GPM) **10 GPM**

Duration of pumping **1 hrs + 1 min**

Final water level end of pumping (m/ft) **69'**

If flowing give rate (l/min / GPM) _____

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
Static Level	35'			
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

Recommended pump depth (m/ft) **110**

Recommended pump rate (l/min / GPM) **9 GPM**

Well production (l/min / GPM) **10 GPM**

Disinfected? Yes No

Method of Construction

Cable Tool Diamond Public Commercial Not used
 Rotary (Conventional) Jetting Domestic Municipal Dewatering
 Rotary (Reverse) Driving Livestock Test Hole Monitoring
 Boring Digging Irrigation Cooling & Air Conditioning
 Air percussion Industrial Other, specify _____
 Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
6"	Steel	188	0	100	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

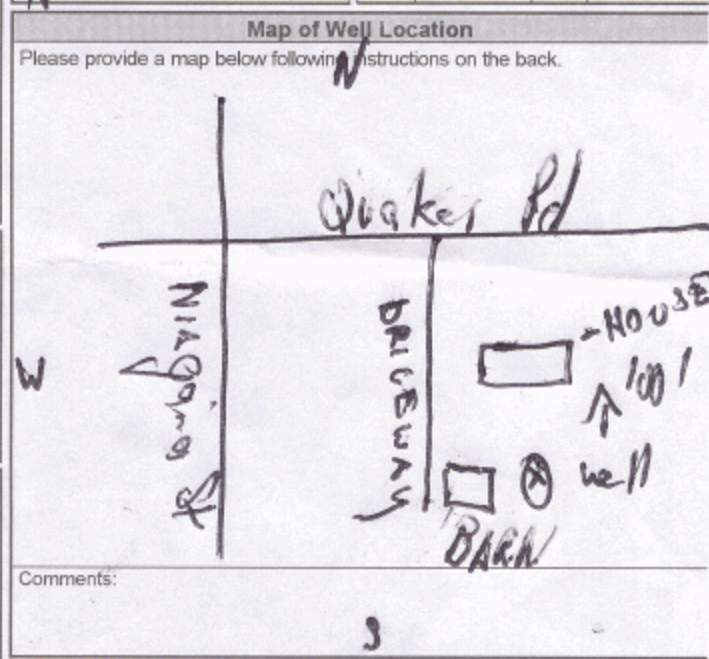
Water Details

Water found at Depth (m/ft)	Kind of Water:	Depth (m/ft)	Diameter (cm/in)
110'	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0 20	8"
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0 120	6"

Well Contractor and Well Technician Information

Business Name of Well Contractor **FIELD WELL DRILLING** Well Contractor's Licence No. **2123**
 Business Address (Street Number/Name) **4703 SPINNACREEK** Municipality **WELLAND**
 Province **ON** Postal Code **L0R2C0** Business E-mail Address _____

Bus. Telephone No. (inc. area code) **905 563 7351** Name of Well Technician (Last Name, First Name) **FIELD MARSHALL**
 Well Technician's Licence No. **T0368** Signature of Technician and/or Contractor _____ Date Submitted **2011/09/08**



Well owner's information package delivered Yes No

Date Package Delivered **20110918**

Date Work Completed **20110918**

Ministry Use Only

Audit No. **z133469**

Received **SEP 21 2011**

Appendix G:
Site Photo Log

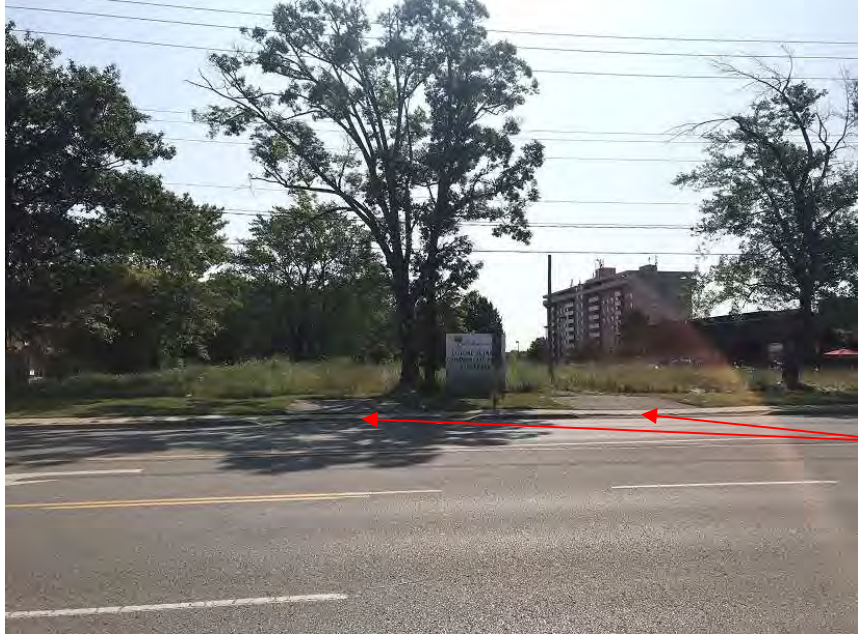

Photo #	Study Site – Grounds	Description
1		<p>Photo taken from across Niagara Street, highlighting the Study Site entrance from Niagara Street. Note: two (2) former driveways were seen for 858 and 862 Niagara St.</p>
2		<p>Study Site entrance from Niagara Street, showing long grass at Study Site; photo taken facing northeast from sidewalk.</p>



Photo #	Study Site – Grounds	Description
3		<p>Thick wooded area within the eastern half of the Study Site. Photo taken from the south adjacent parking lot as the wooded area was inaccessible from Study Site.</p>
4		<p>Photo taken from midsection of Study Site facing east towards the inaccessible wooded area of the site.</p>



Photo #	Study Site – Grounds	Description
5		<p>Photo taken from midsection of Study Site facing west towards Niagara Street. Driveways remain from the former dwellings on-site.</p>
6		<p>Photo taken from entrance of Study Site along Niagara Street. Western portion of Study Site includes long grass, while the tree line indicates the start of the eastern portion of site, inaccessible due to thick woodlot.</p>





Photo #	Study Site – Surrounding Properties	Description
7		<p>Southeast adjacent property in use for a community park with trails; photo taken facing north from Lancaster Drive.</p>
8		<p>Southwest adjacent commercial plaza; photo taken facing south from Study Site.</p>

Photo #	Study Site – Surrounding Properties	Description
9		North adjacent commercial property (Comfort Inn); photo taken from Site facing north.
10		West adjacent commercial plaza; photo taken from Study Site facing west.