PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT

of

1 Neff Street, Port Colborne, ON

For:
Grandstone Living Inc.

March 10, 2021
Project: E-21-11-1

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

Grandstone Living Inc.

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EXECUTIVE SUMMARY

Hallex Environmental Ltd. was retained by Grandstone Living Inc. to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 1 Neff Street, Port Colborne, ON (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;
- Environmental Risk Information System (EcoLog ERIS);
- Chain of Title;
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology; and
- Aerial photographs.

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

The Phase One ESA findings revealed the following:

- One (1) on-site and one (1) off-site Potentially Contaminating Activity (PCA) were identified at the study site resulting in two (2) on-site Areas of Potential Environmental Concern (APEC):
    - ***PCA-1/APEC-1: Importation of Fill Material of Unknown Quality (as per Regulation #30).*** As identified through the FIP research, previous on-site building structures have been demolished. Fill material of unknown origin or quality are considered to be a PCA resulting in an APEC at the study site with Metals, Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs) and pH/ Specific Absorption Rate (SAR)/ Electrical Conductivity (EC) as contaminants of concern.
    - ***PCA-2/APEC-2: #46 – Rail Yards, Tracks and Spurs.*** A railway line was identified running north-south along the east adjacent property. The presence of the railway tracks and spurs represents a PCA resulting in an APEC to the study site's soil with respect to target contaminants Metals, PHCs, BTEX, and PAHs.
- Nine (9) PCAs were noted within 250 m of the study site and outside the study area, 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 AND CONCLUSIONS

1) **A limited Phase Two ESA to identify the potential impact to the study site's soil resulting from on-site fill material of unknown origin and off-site railway.**

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
1	Acid and Alkali Manufacturing, Processing and Bulk Storage
2	Adhesives and Resins Manufacturing, Processing and Bulk Storage
3	Airstrips and Hangars Operation
4	Antifreeze and De-icing Manufacturing and Bulk Storage
5	Asphalt and Bitumen Manufacturing
6	Battery Manufacturing, Recycling and Bulk Storage
7	Boat Manufacturing
8	Chemical Manufacturing, Processing and Bulk Storage
9	Coal Gasification
10	Commercial Autobody Shops
11	Commercial Trucking and Container Terminals
12	Concrete, Cement and Lime Manufacturing
13	Cosmetics Manufacturing, Processing and Bulk Storage
14	Crude Oil Refining, Processing and Bulk Storage
15	Discharge of Brine related to oil and gas production
16	Drum and Barrel and Tank Reconditioning and Recycling
17	Dye Manufacturing, Processing and Bulk Storage
18	Electricity Generation, Transformation and Power Stations
19	Electronic and Computer Equipment Manufacturing
20	Explosives and Ammunition Manufacturing, Production and Bulk Storage
21	Explosives and Firing Range
22	Fertilizer Manufacturing, Processing and Bulk Storage
23	Fire Retardant Manufacturing, Processing and Bulk Storage
24	Fire Training
25	Flocculants Manufacturing, Processing and Bulk Storage
26	Foam and Expanded Foam Manufacturing and Processing
27	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
28	Gasoline and Associated Products Storage in Fixed Tanks
29	Glass Manufacturing
30	Importation of Fill Material of Unknown Quality

PCA#	Description
31	Ink Manufacturing, Processing and Bulk Storage
32	Iron and Steel Manufacturing and Processing
33	Metal Treatment, Coating, Plating and Finishing
34	Metal Fabrication
35	Mining, Smelting and Refining; Ore Processing; Tailings Storage
36	Oil Production
37	Operation of Dry-Cleaning Equipment (where chemicals are used)
38	Ordnance Use
39	Paints Manufacturing, Processing and Bulk Storage
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
41	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
42	Pharmaceutical Manufacturing and Processing
43	Plastics (including Fibreglass) Manufacturing and Processing
44	Port Activities, including Operation and Maintenance of Wharves and Docks
45	Pulp, Paper and Paperboard Manufacturing and Processing
46	Rail Yards, Tracks and Spurs
47	Rubber Manufacturing and Processing
48	Salt Manufacturing, Processing and Bulk Storage
49	Salvage Yard, including automobile wrecking
50	Soap and Detergent Manufacturing, Processing and Bulk Storage
51	Solvent Manufacturing, Processing and Bulk Storage
52	Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems
53	Tannery
54	Textile Manufacturing and Processing
55	Transformer Manufacturing, Processing and Use
56	Treatment of Sewage equal to or greater than 10,000 litres per day
57	Vehicles and Associated Parts Manufacturing
58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

Hallex Environmental Ltd. was retained by Grandstone Living Inc. to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 1 Neff Street, Port Colborne, ON (study site). As future plans include site re-development, the Phase One ESA was 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:	1 Neff Street, Port Colborne, ON
Client(s):	Grandstone Living Inc.
UTM co-ordinates:	17 T 4751104.78 m N 642737.75 m E
Elevation:	175 masl
Approx. site area:	658 m^2

1.2 Limitations and Exceptions of Report

Hallex Environmental Ltd. prepared this report for the account of: Grandstone Living Inc. 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;
- Environmental Risk Information System (EcoLog ERIS);
- Chain of Title;
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology; and
- Aerial photographs.

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 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 review of Fire Insurance Plans (FIPs), EcoLog ERIS data-based information, aerial photographic 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.

3.1.2 First Developed Use Determination

The first developed land use for the study site, as determined through historical FIP dated 1897, was residential use.

3.1.3 Fire Insurance Plans

Three (3) Fire Insurance Plans were available from EnviroScan dated 1897, 1939 and 1953. All plans depicted the study site or surrounding land use.

1897

The study site was depicted with one (1) dwelling on the 1897 FIP. Surrounding property consisted of a creek to the south, Welland Canal to the east and mixed residential and commercial stores, including one (1) building illustrated as “City Hotel”. The study area also appears developed mainly for commercial and residential use. No Potentially Contaminating Activities (PCAs) were identified within the study area.

1939

The study site was depicted with an addition north of the dwelling on the 1939 FIP. Four (4) PCAs were identified within the study area, one (1) autobody shop and Underground Storage Tanks (USTs) located approximately 200 m south (6 George Street), two (2) USTs located 100 m west (232 Main St W), and one (1) UST located 247 m west (302 Main Street West) from the study site.

1953

The study site depicted one (1) dwelling on-site in the 1954 FIP. The west adjacent dwelling and garage were no longer present. No significant changes were noted to the study site or adjacent sites from the 1939 FIP. Six (6) PCAs were found within the study area. Two (2) *Gasoline Service* Stations illustrating three (3) USTs each, located approximately 100 m west (232 Main St

W) and 235 m west (293 Main St W) of the study site. One (1) UST was denoted at 302 Main Street West (247 m southwest from study site) at an *Auto Repair* shop. Two (2) USTs and an autobody shop were also illustrated at 6 George St (200 m south) of the study site.

Fuel storage and autobody shops are all considered PCAs; however, the PCAs do not result in APECs at the study site regarding impact to soil/groundwater conditions due to distance to site and inferred groundwater flow direction. The FIPs are located in Appendix A.

3.1.4 Chain of Title

A chain of title was obtained from *Terranet Express* for the study site known as Property Identifier Number (PIN) 64149-0243 (LT). The chain of title covers the period from 2020 to present. Landownership was confirmed as Grandstone Living Inc. dating from 2020 to current. The parcel was transferred to various owners, which included: CRAM Holdings Inc. A copy of the Chain of Title is included in Appendix B.

3.1.5 Environmental Reports

No existing environmental reports were provided to Hallex Environmental Ltd. to review concerning the study site.

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 Port Colborne; 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. Three (3) sites were listed in Port Colborne outside of the Study Area.
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.

Source	Description of Data Analysis
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 Port Colborne, 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) at this time.
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 eighty-one (81) environmental records, none of which were affiliated with the study site and all eighty-one (81) were from within 0.25 km of the study site. 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
297 Main Street	Target Gas Bar	RST, PRT, FST	1993: two (2) 45,400 L single wall gasoline USTs, and one (1) 22,700 L diesel single wall UST at FS liquid fuel station.	239.9 m W	PCA not causing an APEC
270 Main Street West	Hardware Store	PES	Licensed vendor to sell Pesticides	187.4 m W	PCA not causing an APEC
130 Mellanby Ave.	SMT Services / Algoma Central Corp.	GEN	1986-2020; Machine shop generating: Waste oils & lubricants, organic laboratory chemicals, paint/pigment/coating residues, petroleum distillates, acid waste – heavy metals, and aliphatic solvents.	229.9 m E	PCA not causing an APEC

FST = Fuel Storage Tanks, RST = Retail Fuel Storage Tanks, PRT = Private and Retail Fuel Storage Tanks, PES = Pesticide Register, and GEN = Ontario Regulation 347 Waste Generators Summary.

3.3 Physical Setting

3.3.1 Aerial Photographs

Aerial photographs from 1921, 1934, 1948, 1954/1955, 1965, 1975, 1983, 1989, 1994, 2000, 2006, 2015 and 2018 were examined and revealed that the Study Site was first developed for

residential purposes dating from the 1920's to late 1990's, then vacant till present day. The Study Area was a mix of residential, commercial, and community use. Aerial photographs are contained in Appendix E, with brief summaries provided below.

Date	Comments
1921	The 1921 air photo indicated the study site was developed with one (1) residential dwelling. The surrounding properties consisted of commercial to the north, residential south and west and a vacant lot east of the study site. The study area appeared developed for commercial and residential use, with the Welland Canal evident east of the study site.
1934	A small addition north of the dwelling was noted in the 1934 air photo. North adjacent and one of the west adjacent dwellings were demolished, no other significant changes were noted to the study area.
1948	Several structures west and north of the study site were demolished, some along Main Street West was replaced with another commercial building. The study site remained the same.
1954-55, 1965, 1975, 1983 & 1989	No significant changes were noted for the study site or study area from the 1948 to 1975 air photos.
1994	The Trillium Railway – Harbour Spur was evident east of the study site running along the Welland Canal. No other significant changes were noted to the study site or study area.
2000	The dwelling on-site was demolished leaving the site vacant. Fill piles were noted south of Neff Street running alongside the railway. No other significant changes were noted to the study site or study area.
2006, 2015, 2018	No changes were noted for the study site or adjacent sites.

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 175 meters above sea level (masl). The Study Site had a very slight slope from the northern portion of the site towards Neff Street. The overall Study Area slope is approximately 1% south.

Geology and Physiography

Review of maps: Quaternary Geology of Niagara-Welland (Ontario Geological Survey Map 2556), and Bedrock Geology of Ontario (Ontario Geological Survey Map 2544), indicated that the native overburden was glaciolacustrine deposits (silt and clay, minor sand) and organic deposits with underlying bedrock consisting of limestone plains of the Onondaga Formation. Ministry of the Environment, Conservation, and Parks well record at a site 250 m north of the study site revealed the approximate depth to bedrock for the Study Area is 2.44 m bgs (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 off-site along Neff Street. Previous groundwater investigations conducted by Hallex in 2016 at a site 600 m south of the Study Site indicated groundwater to be at approximately 4.5 mbgs. The overall groundwater flow for the area is inferred as south towards Lake Erie. The site is noted to be within the Lake Erie North Shore Watershed (Lake Erie Sub-Watershed).

3.3.3 Fill Materials

Fill material was not observed during site reconnaissance, however, may have been placed in the location of the former on-site building as depicted on FIPs and aerial photographs.

3.3.4 Water Bodies and Areas of Natural Significance

The Welland Canal is located approximately 22m east of the study site, and Lake Erie is located approximately 2.4 km south of the site.

3.3.5 Well Records

A review of the Ontario Oil, Gas & Salt Resources Library as well as the Ministry of the Environment, Conservation and Parks (MECP) library revealed no water wells pertaining to the Study Site or within the Study Area. Each record can contain information pertaining to date of installation, well use, type of stratigraphy encountered and groundwater levels, if available.

3.4 Site Operating Records

There were no applicable site operating records available for review.

4.0 INTERVIEW

An interview was conducted with Mr. Marc Vaillancourt, current owner of the Phase One ESA property, via email. 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 subject site currently has no buildings on-site, historically it had a farmhouse.
- There weren't any known environmental issues associated with the study site or surrounding properties.
- There have not been any previous environmental studies conducted at the study site (Phase One ESA, Phase Two ESA, Remediation, Designated Substance Survey, etc.).

The full record of interview is located in Appendix F.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

The site investigation took place on March 3rd, 2021 at approximately 2:30 pm and was conducted by Hallex staff member Nicole Metz, *Environmental Technician*. The Phase One property is not considered an Enhanced Investigation Property (EIP). The weather conditions during site reconnaissance were clear and sunny, and all exterior areas of the Phase One property were accessible.

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 Exterior Observations

- The site is currently vacant/undeveloped (Photos 1-3).
- Although evidence of a heating oil tank (AST/UST) was not observed during site reconnaissance, the potential for one to have been utilized at the site exists given the age of developed site use dating back to the late 1800's.
- The ground cover at the site consisted of gravel and grass (Photos 1-3).
- The site occupies an area of approximately 658 m^2 of land.

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

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses – Subject Site

The historic documents research and the site reconnaissance revealed the study site had been developed for residential purposes dating from the late 1800's to late 1990's, then vacant/undeveloped to 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 4a.

6.2.1 Historical On-site PCAs

One (1) potential historical PCA was identified at the study site.

- ***PCA-1/APEC-1: Importation of Fill Material of Unknown Quality (as per Regulation #30).*** As identified through the FIP research, previous on-site building structures have been demolished. Fill materials of unknown origin or quality are considered to be a PCA resulting in an APEC at the study site with Metals, Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs) and pH/ Specific Absorption Rate (SAR)/ Electrical Conductivity (EC) as contaminants of concern.

6.2.2 Recent On-site PCAs

No recent PCA's were identified at the study site.

6.2.3 Adjacent Sites PCAs

One (1) PCA was identified at an adjacent site to the Phase One property.

- ***PCA-2/APEC-2: #46 – Rail Yards, Tracks and Spurs.*** A railway line was identified running north-south along the east adjacent property. The presence of the railway tracks and spurs represents a PCA resulting in an APEC to the study site's soil with respect to target contaminants Metals, PHCs, BTEX, and PAHs.

6.2.4 Study Area PCAs

Eight (8) additional 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
Gasoline Service Station	**PCA-3:** #28 Gasoline and Associated Products Storage in Fixed Tanks	230 Main Street West	• 60 m west of Study Site • Inferred south groundwater flow direction • Cross-gradient from study site, and higher elevation
Auto Service	**PCA-4:** #10 Commercial Auto Body Shop		
Gasoline Service Station	**PCA-5:** #28 Gasoline and Associated Products Storage in Fixed Tanks	293/297 Main Street West	• 200 m west of Study Site • Inferred south groundwater flow direction • Cross-gradient from study site, and higher elevation
Auto Repairs	**PCA-6:** #28 Gasoline and Associated Products Storage in Fixed Tanks	302 Main Street West	• 202 m southwest of Study Site • Inferred south groundwater flow direction • Cross-gradient from study site, and higher elevation
	PCA-7: #10 Commercial Auto Body Shop		
Garage	**PCA-8:** #28 Gasoline and Associated Products Storage in Fixed Tanks	6 George Street	• 176 m south of Study Site • Inferred south groundwater flow direction • Cross-gradient from study site, and higher elevation
	PCA-9: #10 Commercial Auto Body Shop		
Algoma Central Corporation	**PCA-10:** #34 Metal fabrication	130 Mellanby Ave	• 166 m east of Study Site • Inferred south groundwater flow direction • Cross-gradient from study site, and lower elevation

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.

6.2.5 PCAs Outside of Study Area

Historic industrial use in Port Colborne revealed one (1) off-site PCA outside of the Study Area:

- ***PCA-11: #35 Mining, Smelting and Refining; Ore Processing; Tailings Storage*** Located approximately 1.6 km southeast of the Study Site, INCO (now Vale Canada Ltd.) operated a nickel refinery from 1918 - 1984. Known contaminants, including Metals (ie: nickel, copper, cobalt, arsenic) were historically emitted from a smoke stack on the INCO

property that resulted in elevated levels of Metals in surface soils at surrounding properties. This off-site PCA is not considered to be an on-site APEC due to redevelopment at the site, including demolition of buildings and excavation and removal of topsoil for site grading.

6.3 Areas of Potential Environmental Concern

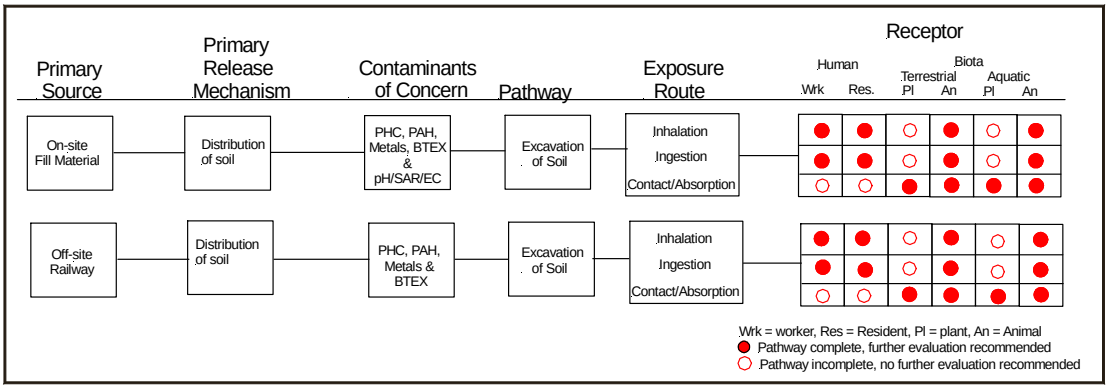
Two (2) of the previously described PCAs were determined to create on-site APECs with the potential to impact the Phase One study site's soil. On-site APECs are illustrated in Figure 4b, with further details provided below in table format.

Areas of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity[2]	Location of PCA (on-site or off-site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Middle of the site	#30 Importation of Fall Material of Unknown Quality	On-site	Metals, PHC's, PAHs, BTEX EC/SAR/pH	Soil
APEC-2	Eastern property boundary	#46 Rail Yards, Tracks and Spurs	Off-site	PHCs, BTEX, PAHs, & Metals	Soil

The Phase One research is considered valid with no absence of information and was completed in full and considered accurate in determining the 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. Target contaminants of Metals, SAR/EC/pH, PHCs, BTEX and PAHs were identified with potential migration pathways to human and/or biota receptors.



7.0 CONCLUSIONS & RECOMMENDATIONS

Hallex Environmental Ltd. was retained by Grandstone Living Inc. to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 1 Neff Street, Port Colborne, ON (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;
- Environmental Risk Information System (EcoLog ERIS);
- Chain of Title;
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology; and
- Aerial photographs.

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

The Phase One ESA findings revealed the following:

- One (1) on-site and one (1) off-site Potentially Contaminating Activity (PCA) were identified at the study site resulting in two (2) on-site Areas of Potential Environmental Concern (APEC):
    - ***PCA-1/APEC-1: Importation of Fill Material of Unknown Quality (as per Regulation #30).*** As identified through the FIP research, previous on-site building structures have been demolished. Fill material of unknown origin or quality are considered to be a PCA resulting in an APEC at the study site with Metals, Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs) and pH/ Specific Absorption Rate (SAR)/ Electrical Conductivity (EC) as contaminants of concern.
    - ***PCA-2/APEC-2: #46 – Rail Yards, Tracks and Spurs.*** A railway line was identified running north-south along the east adjacent property. The presence of the railway tracks and spurs represents a PCA resulting in an APEC to the study site's soil with respect to target contaminants Metals, PHCs, BTEX, and PAHs.
- Nine (9) PCAs were noted within 250 m of the study site and outside the study area, 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 AND CONCLUSIONS

1) **A limited Phase Two ESA to identify the potential impact to the study site's soil resulting from on-site fill material of unknown origin and off-site railway.**

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:

Nicole Metz **-** Ms. Nicole Metz, ETPD, ERPC, was the Environmental Technician for the project with over six years of experience in the environmental consulting field. Some projects Mrs. Metz have worked on included: Phase One & Two Environmental Site Assessments, Site Remediation, groundwater and surface water sampling, underground or aboveground storage tank decommissioning, Designated Substance Surveys, Records of Site Condition Filing, Environmental Compliance Approvals, National Pollutant Release Inventory, and Hazardous Waste Information Network training.

Jodie Glasier **-** Mrs. Jodie Glasier, B.A.(Hons), PD-EMA, M.MM, EP, is a Project Manager with over twelve + 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.

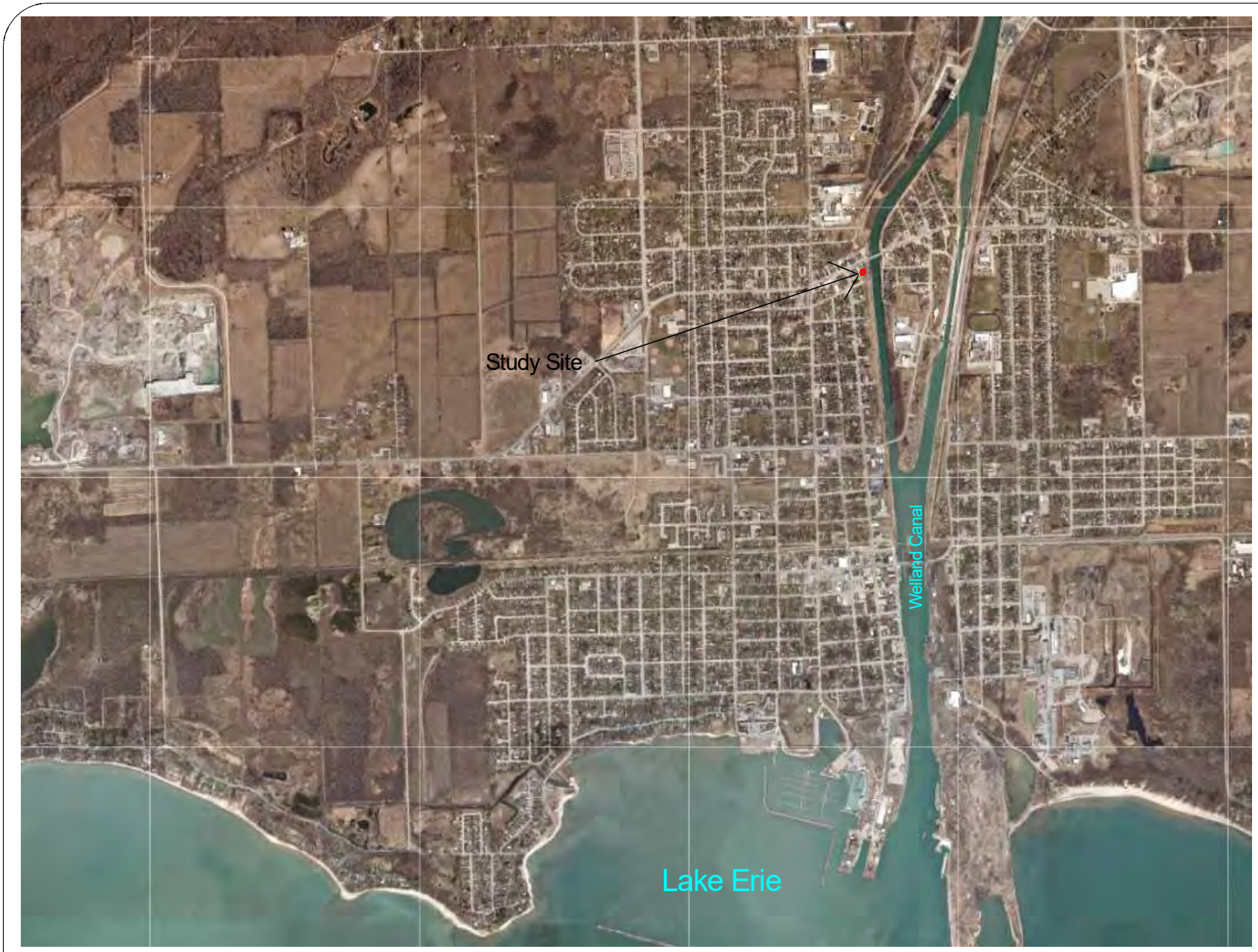
Kevin Christian **-** Mr. Kevin Christian, M.Sc., P.Geo., a Professional Geoscientist (#0387) registered with the Association of Professional Geoscientists of Ontario, and a Qualified Person (Environmental Site Assessment & Risk Assessment) as per Ontario Regulations 153/04 and 511/09, has thirty-two 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 Port Colborne Fire Insurance Plans
- 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&lang=en

FIGURES



0 m 1 km 2 km

Legend

Study Site

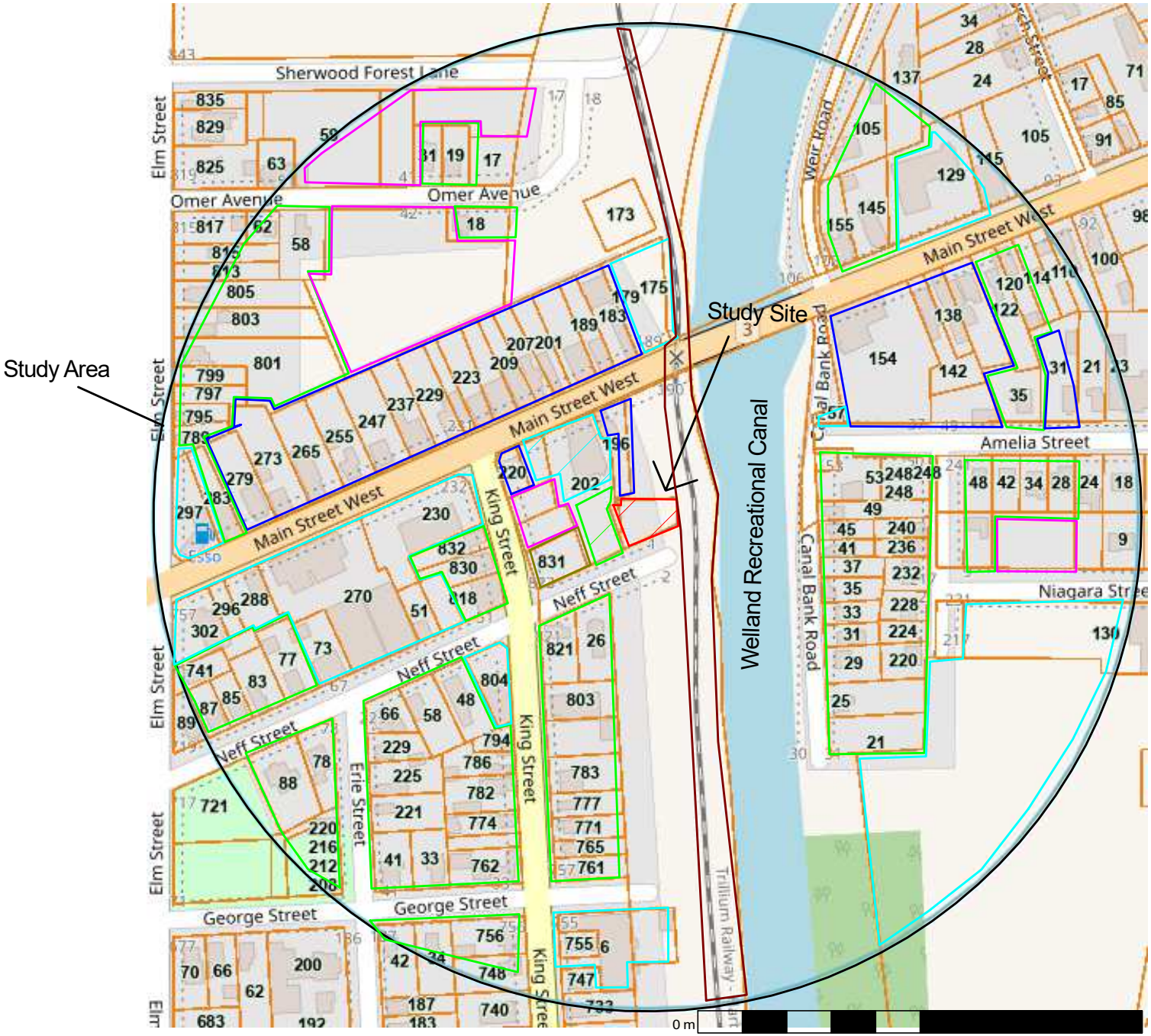
Client
Grandstone Living Inc.

Project
Phase One ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Site Location

Project E-21-11-1
Date March 2021
Drafted: N. Metz
Reviewed: KC

Figure 1



Legend

- Phase One Property
- Residential Land
- Mixed Commercial Residential Land
- Commercial Land
- Community/Park Land
- Vacant Land
- Industrial Land

Client
Grandstone Living Inc.

Project
Phase One ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Adjacent Land Use

Project E-21-11-1
Date March 2021
Drafted: N. Metz
Reviewed: KC

Figure 2

0 m — 10 m — 20 m

Legend

- Phase One Property
- # Photo Log Reference

Arrow point indicates direction of photo taken

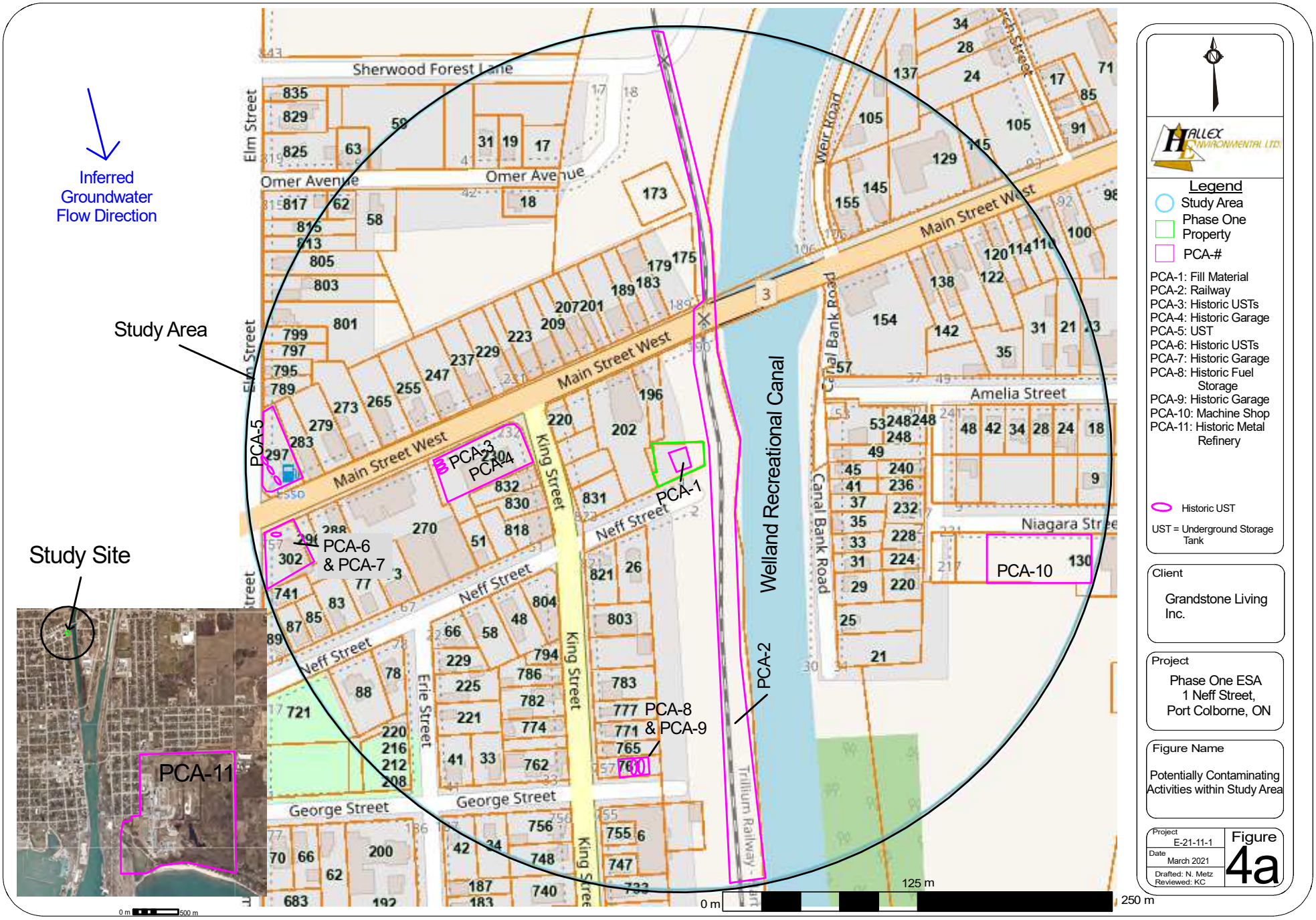
Client
Glandstone Living Inc.

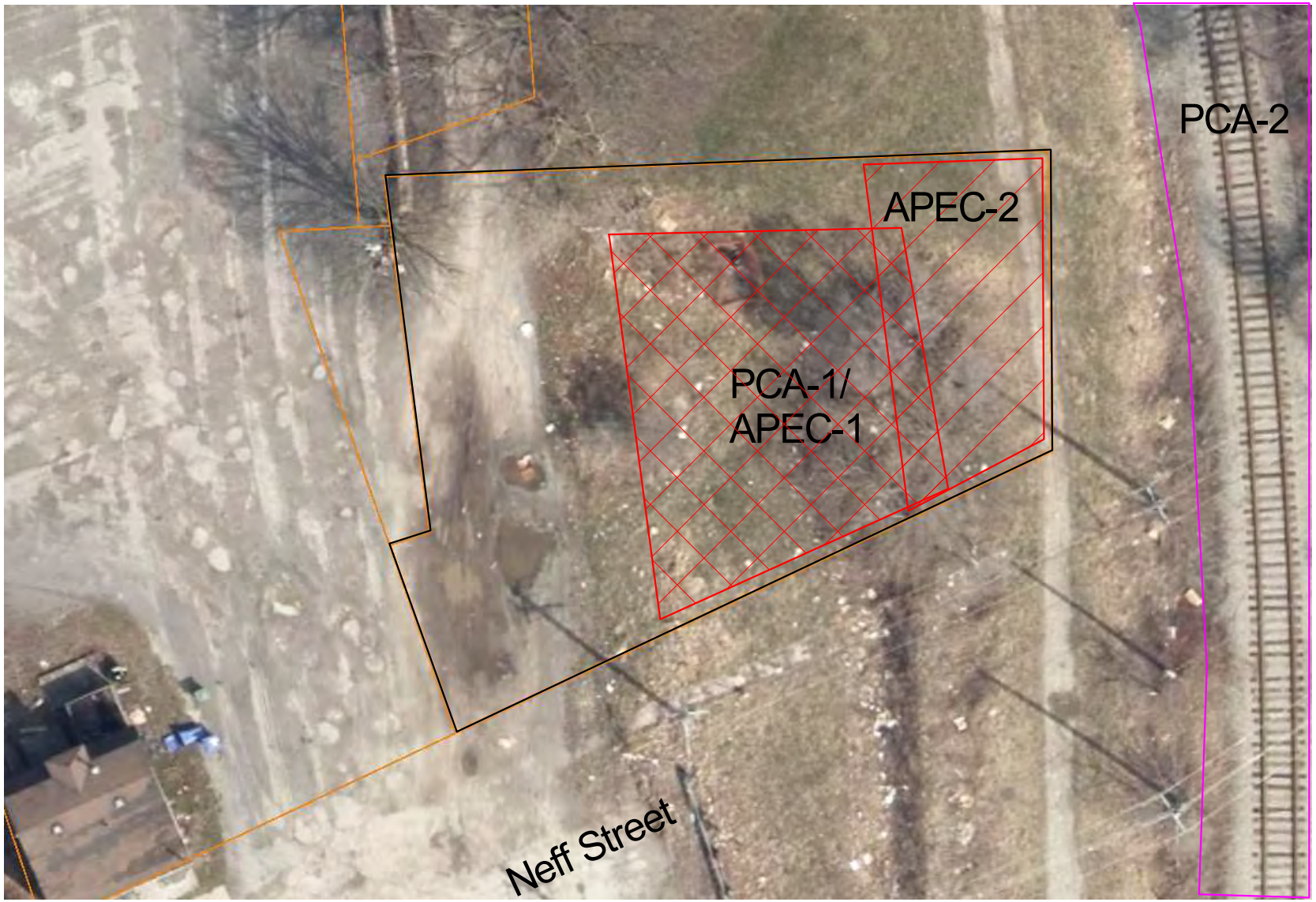
Project
Phase One ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Site Layout

Project	E-21-11-1
Date	March 2021
Drafted: N. Metz Reviewed: JG	

Figure 3


Inferred Groundwater Flow Direction
Study Area
Study Site
PCA-11
PCA-1
PCA-2
PCA-3
PCA-4
PCA-5
PCA-6 & PCA-7
PCA-8 & PCA-9
PCA-10
Welland Recreational Canal
Main Street West
Sherwood Forest Lane
Omer Avenue
Elm Street
King Street
Neff Street
George Street
Erie Street
Weir Road
Canal Bank Road
Amelia Street
Niagara Street
Trillium Railway
0 m
125 m
250 m
0 m
500 m
Legend
Study Area
Phase One Property
PCA-#
PCA-1: Fill Material
PCA-2: Railway
PCA-3: Historic USTs
PCA-4: Historic Garage
PCA-5: UST
PCA-6: Historic USTs
PCA-7: Historic Garage
PCA-8: Historic Fuel Storage
PCA-9: Historic Garage
PCA-10: Machine Shop
PCA-11: Historic Metal Refinery
Historic UST
UST = Underground Storage Tank
Client
Grandstone Living Inc.
Project
Phase One ESA
1 Neff Street,
Port Colborne, ON
Figure Name
Potentially Contaminating Activities within Study Area
Project E-21-11-1
Date March 2021
Drafted: N. Metz
Reviewed: KC
Figure 4a



0 m 20 m

10 m

Legend

Phase One Property

PCA-#

PCA-1: Fill Material
PCA-2: Railway

APEC-#

APEC-1: Fill Material
APEC-2: Railway

Client
Glandstone Living Inc.

Project
Phase One ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Areas of Potential Environmental Concern

Project	E-21-11-1
Date	March 2021
Drafted: N. Metz Reviewed: JG	

Figure 4b

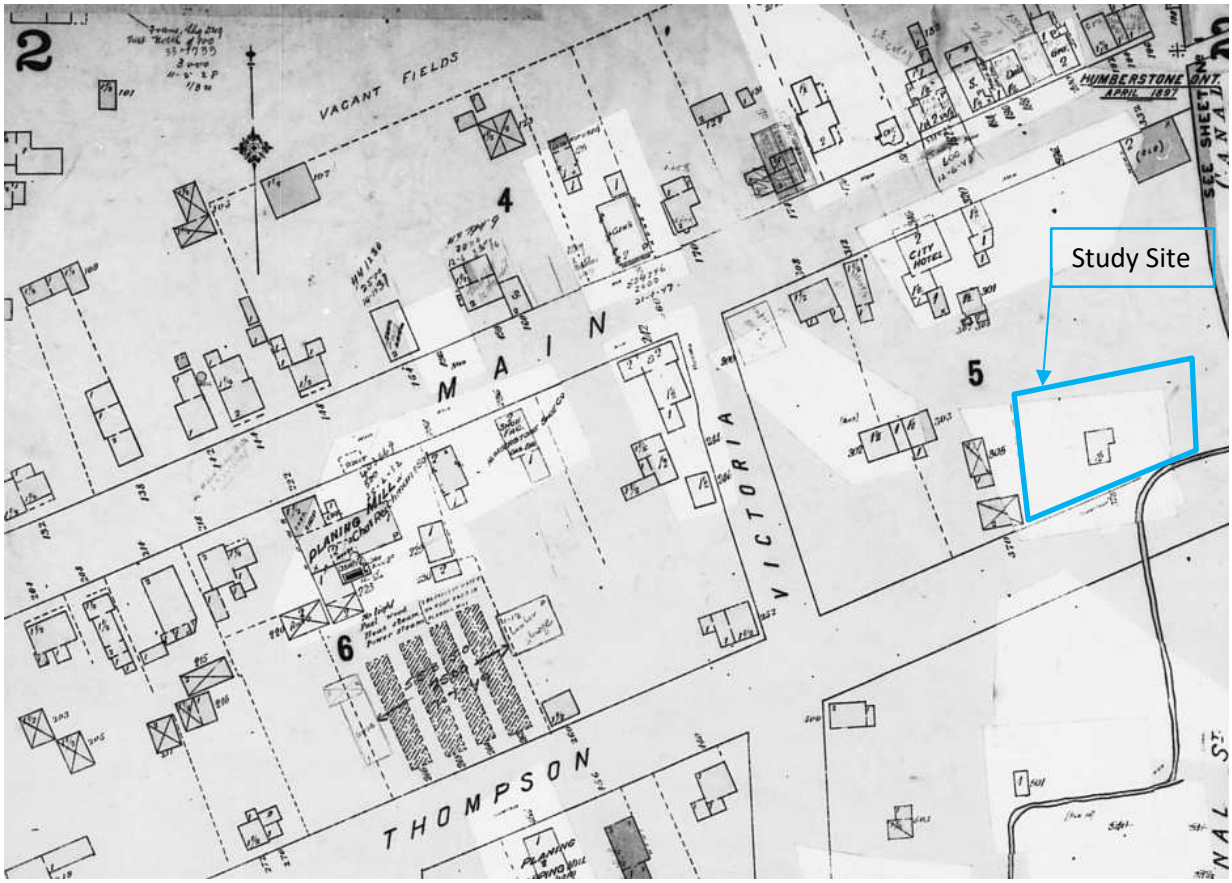
Appendix A:

Fire Insurance Plans

Fire Insurance Plans

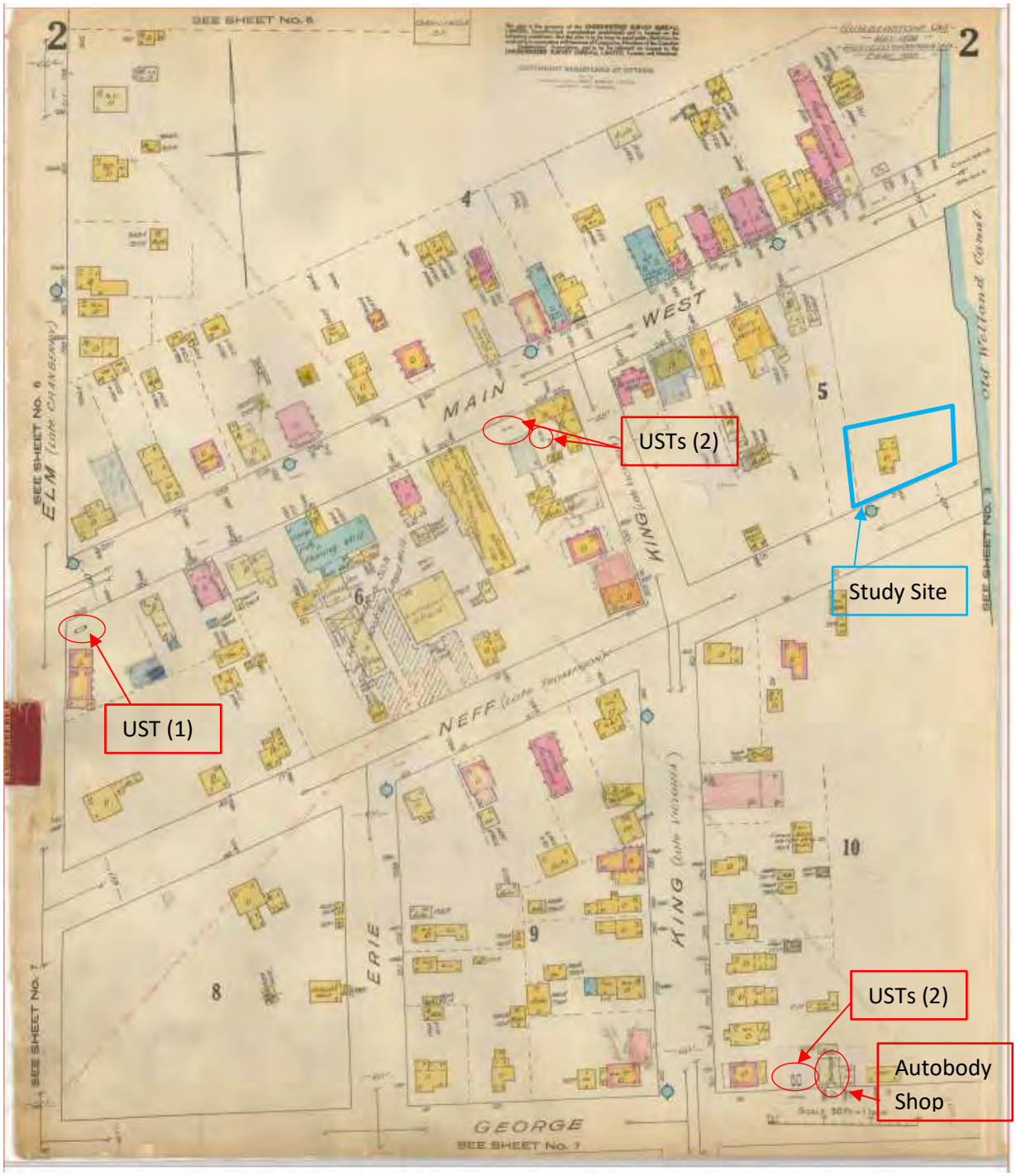
Three (3) Fire Insurance Plans were available from EnviroScan dated 1897, 1939 and 1953. All plans depicted the study site and surrounding land use. Further details are provided below.

1897



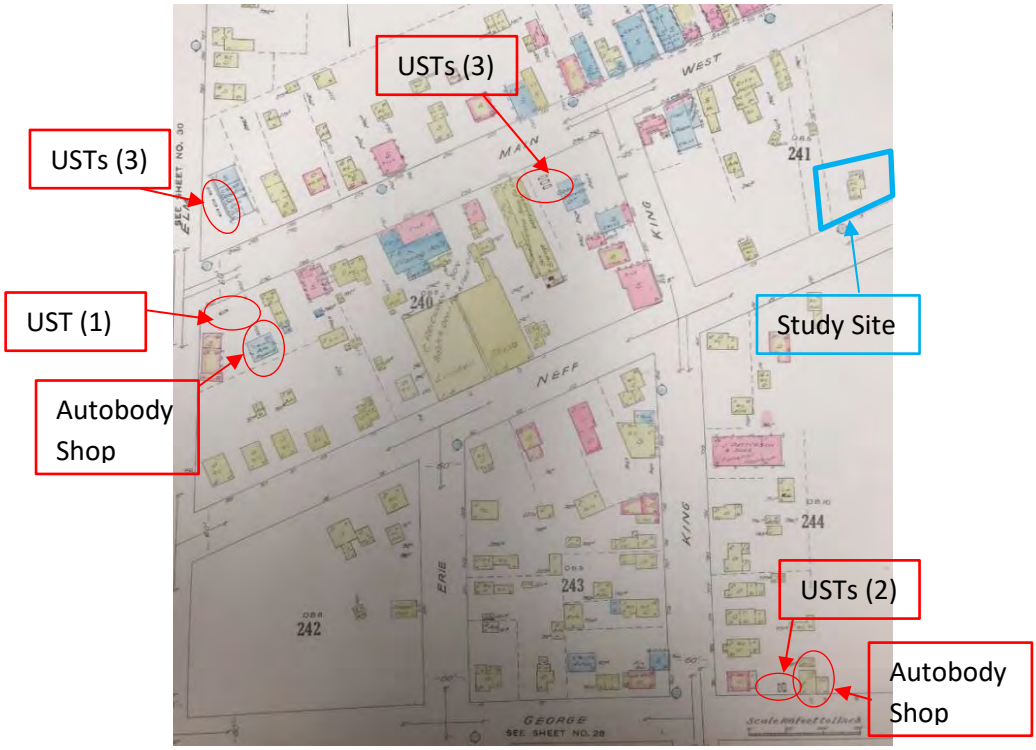
The study site was depicted with one (1) dwelling on the 1897 FIP. Surrounding property consisted of a creek to the south, Welland Canal to the east and mixed residential and commercial stores, including one (1) building illustrated as "City Hotel". The study area also appears developed mainly for commercial and residential use. No Potentially Contaminating Activities (PCAs) were identified within the study area.

1939



The study site was depicted with an addition north of the dwelling on the 1939 FIP. Four (4) PCAs were identified within the study area, one (1) autobody shop and Underground Storage Tanks (USTs) located approximately 200 m south (6 George Street), two (2) USTs located 100 m west (232 Main St W), and one (1) UST located 247 m west (302 Main Street West) from the study site.

1953



The study site depicted one (1) dwelling on-site in the 1954 FIP. The west adjacent dwelling and garage were no longer present. No significant changes were noted to the study site or adjacent sites from the 1939 FIP. Six (6) PCAs were found within the study area. Two (2) *Gasoline Service* Stations illustrating three (3) USTs each, located approximately 100 m west (232 Main St W) and 235 m west (293 Main St W) of the study site. One (1) UST was denoted at 302 Main Street West (247 m southwest from study site) at an *Auto Repair* shop. Two (2) USTs and an autobody shop were also illustrated at 6 George St (200 m south) of the study site.

Fuel storage and autobody shops are all considered PCAs; however, the PCAs do not result in Areas of Potential Environmental Concern (APEC's) at the study site regarding impact to soil/groundwater conditions due to distance to site and inferred groundwater flow direction.

Appendix B:

Chain of Title Search

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #59

64149-0243 (LT)

PREPARED FOR AGreco01
ON 2021/01/25 AT 11:25:04

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

PROPERTY DESCRIPTION: LOT 3, PART LOT 4 BLOCK A, PART LOT 3 SOUTH SIDE OF MAIN STREET WEST, PLAN 762 HUMBERSTONE, PART 1 59R16824; CITY OF PORT COLBORNE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 64149-0003

PIN CREATION DATE:
2021/01/22

OWNERS' NAMES
GRANDSTONE LIVING INC.

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2021/01/22 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *					
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF CONVERSION TO LAND TITLES: 1999/01/18 **						
SN634105	2020/07/03	CHARGE	$400,000	CRAM HOLDINGS INC.	VAILLANCOURT, SYLVAIN ELS	C
59R16824	2020/11/09	PLAN REFERENCE				C
SN653721	2020/12/10	TRANSFER	$250,000	CRAM HOLDINGS INC.	GRANDSTONE LIVING INC.	C
REMARKS: PLANNING ACT STATEMENTS.						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Appendix C:

Ministry of Natural Resources Natural Heritage Map

Ontario

MINISTRY OF NATURAL RESOURCES AND FORESTRY

Make a Topographic Map

1 Neff Street, Port Colborne, ON

Notes:

Legend

- Building as Symbol
- Building to Scale
- Airport
- Heliport \ Hospital Heliport
- Seaplane Base
- Ferry Route
- Trail Head \ Trail
- Railway \ Train Station
- Railway with Bridge
- Railway with Tunnel
- Road (Major — Minor)
- Winter Road
- Road with Bridge
- Road with Tunnel
- Primary, Kings or 400 Series Highway
- Secondary Highway
- Tertiary Highway
- District, County, Regional or Municipal Road
- Toll Highway
- One Way Road
- Road with Permanent Blocked Passage
- Road with Address Ranges
- Hydro Line, Communication Line or Unknown Transmission Line
- Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
- Spot Height
- Index Contour
- Contour
- Wooded Area
- Wetland
- Waterbody
- Waterbody Elevation
- Watercourse
- Falls
- Rapids
- Rapids \ Falls
- Rapids
- Rocks
- Lock Gate
- Dam \ Hydro Wall
- Dam \ Hydro Wall
- Provincial \ State Boundary
- International Boundary
- Upper Tier \ District Municipal Boundary
- Lower Tier \ Single Tier Municipal Boundary
- Lot Line
- Indian Reserve
- Provincial Park
- National Park
- Conservation Reserve
- Military Lands

0 0.2 km

Projection: Web Mercator

Appendix D:

EcoLog ERIS

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase One ESA - 1 Neff Street, Port Colborne, ON* *1 Neff Street* *Port Colborne ON L3K 3S8*
Project No:	*E-21-11-1*
Report Type:	*Standard Report*
Order No:	*21021900321*
Requested by:	*Hallex Environmental Ltd.*
Date Completed:	*February 24, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property: *Phase One ESA - 1 Neff Street, Port Colborne, ON*
1 Neff Street Port Colborne ON L3K 3S8

Project No: *E-21-11-1*

Coordinates:

Latitude:	*42.899208*
Longitude:	*-79.2516714*
UTM Northing:	*4,751,104.78*
UTM Easting:	*642,737.75*
UTM Zone:	*17T*

Elevation: *576 FT*
175.41 M

Order Information:

Order No: *21021900321*
Date Requested: *February 19, 2021*
Requested by: *Hallex Environmental Ltd.*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	5	5
CA	*Certificates of Approval*	Y	0	3	3
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	1	1
EBR	*Environmental Registry*	Y	0	1	1
ECA	*Environmental Compliance Approval*	Y	0	3	3
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	9	9
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	7	7
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	23	23
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	1	1

Database	Name	Searched	Project Property	Within 0.25 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	10	10
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
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	1	1
SCT	Scott's Manufacturing Directory	Y	0	7	7
SPL	Ontario Spills	Y	0	5	5
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	1	1
	Total:		0	81	81

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		202 Main Street West Port Colborne ON L3K 3V4	NW/59.6	0.29	27
1	EHS		202 Main Street West Port Colborne ON L3K 3V4	NW/59.6	0.29	27
1	EHS		202 Main Street West Port Colborne ON L3K 3V4	NW/59.6	0.29	27
2	BORE		ON	NW/71.1	0.44	27
3	SPL	Canadian Niagara Power Inc.	on King St. in Port Colborne at Neff St. <UNOFFICIAL> Port Colborne ON	WSW/73.4	0.44	28
4	SPL	Canadian Niagara Power Inc.	832 King Street Port Colborne ON	W/100.1	1.44	29
5	HINC		818 KING STREET PORT COLBORNE ON L3K 4J5	WSW/107.1	1.44	29
6	EHS		804 King Street Port Colborne ON L3K 4J4	SW/107.4	0.71	30
7	SPL	Canadian Niagara Power Inc.	Corner of Amelia and Canal Bank Rd<UNOFFICIAL> Port Colborne ON	ENE/117.9	-0.27	30
8	CA	PORT COLBORNE CITY	CANAL BANK RD./AMELIA ST. PORT COLBORNE CITY ON	ENE/118.1	-0.27	31
9	EHS		237-239 Main Street West Port Colborne ON L3K 3V7	WNW/119.0	1.44	31
10	SCT	Madman's Embroidery	230 Main St W Unit 3 Port Colborne ON L3K 3V5	W/132.9	1.44	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	SCT	Takis Embroidery	230 Main St W Unit 3 Port Colborne ON L3K 3V5	W/132.9	1.44	31
11	BORE		ON	WSW/147.9	1.44	31
12	CA	R.M. OF NIAGARA	MAIN ST.SEW.P.S./CANAL BANK RD PORT COLBORNE CITY ON	NE/167.1	-0.17	33
13	PES	REICHMAN LUMBER DIV. 938075 ONT. LTD	270 MAIN STREET WEST PORT COLBORNE ON L3K 3V5	W/187.4	2.44	33
13	SCT	Reichman Lumber	270 Main St W Port Colborne ON L3K 3V5	W/187.4	2.44	34
13	PES	REICHMAN LUMBER DIV. 938075 ONT. LTD	270 MAIN STREET WEST PORT COLBORNE ON L3K 3V5	W/187.4	2.44	34
13	PES	FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W/187.4	2.44	34
13	PES	FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W/187.4	2.44	35
13	PES	1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W/187.4	2.44	35
13	PES	1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W/187.4	2.44	36
13	PES	FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W/187.4	2.44	36
13	PES	FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W/187.4	2.44	36
13	PES	1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W/187.4	2.44	37

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	PES	FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W/187.4	2.44	37
14	WWIS		lot 28 con 2 ON ***Well ID:*** 6601044	N/195.3	0.13	37
15	ECA	The Corporation of the City of Port Colborne	George Street Port Colborne ON L3K 3C8	NNW/202.1	0.03	40
16	BORE		ON	NE/202.5	0.53	40
17	PINC		142 Main Street West, Port Colborne ON	ENE/203.4	1.43	42
18	BORE		ON	SSW/206.9	0.45	42
19	BORE		ON	NNW/207.3	0.04	43
20	CA	The Regional Municipality of Niagara	17 Omer Ave Port Colborne ON	NNW/221.6	0.99	45
20	ECA	The Regional Municipality of Niagara	17 Omer Ave Port Colborne ON	NNW/221.6	0.99	45
21	SCT	TRIANGLE PLASTICS LTD	6 GEORGE ST PORT COLBORNE ON L3K 3S1	S/225.9	0.39	46
21	SCT	TRIANGLE PLASTICS LTD.	6 George St Port Colborne ON L3K 3S1	S/225.9	0.39	46
21	EHS		6 George Street Port Colborne ON L3K 3S1	S/225.9	0.39	46
21	SCT	Heritage Sign Builders	6 George St Port Colborne ON L3K 3S1	S/225.9	0.39	46

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	EBR	Heritage Sign and Manufacturing	6 George Street Port Colborne Regional Municipality of Niagara L3K 3S1 CITY OF PORT COLBORNE ON	S/225.9	0.39	46
21	GEN	Heritage sign and manufacturing	6 A George st port colborne ON	S/225.9	0.39	47
21	GEN	Heritage sign and manufacturing	6 A George st port colborne ON	S/225.9	0.39	47
21	ECA	Heritage Sign and Manufacturing	6 George St Port Colborne ON L3K 3S1	S/225.9	0.39	47
21	GEN	Heritage sign and manufacturing	6 A George st port colborne ON L3K 3S1	S/225.9	0.39	48
21	GEN	Heritage sign and manufacturing	6 A George st port colborne ON L3K 3S1	S/225.9	0.39	48
21	GEN	Heritage sign and manufacturing	6 A George st port colborne ON L3K 3S1	S/225.9	0.39	48
21	GEN	Heritage sign and manufacturing	6 George Street Port Colborne ON L3K 3S1	S/225.9	0.39	48
22	SCT	Taliscor Plastics Inc.	130 Mellanby Ave Port Colborne ON L3K 2L5	E/229.9	0.36	49
22	GEN	MARSH ENGINEERING LTD.	130 MELLANBY AVE. C/O 118 WEST ST. PORT COLBORNE ON L3K 2L5	E/229.9	0.36	49
22	GEN	MARSH ENGINEERING LTD.	130 MELLENBY AVE. C/O 118 WEST ST. PORT COLBORNE ON L3K 5V7	E/229.9	0.36	49
22	GEN	MARSH ENGINEERING LTD.	130 MELLENBY AVENUE PORT COLBORNE ON L3K 5V7	E/229.9	0.36	50
22	GEN	MARSH ENGINEERING LTD. 25-263	130 MELLENBY AVE. C/O 118 WEST ST. PORT COLBORNE ON L3K 5V7	E/229.9	0.36	50

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
22	GEN	SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E/229.9	0.36	50
22	GEN	SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E/229.9	0.36	51
22	GEN	SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E/229.9	0.36	51
22	GEN	SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E/229.9	0.36	52
22	GEN	Algoma Central Corporation	130 Mellanby Avenue Port Colborne ON L3K-2L5	E/229.9	0.36	52
22	GEN	Algoma Central Corporation	130 Mellanby Avenue Port Colborne ON L3K-2L5	E/229.9	0.36	53
23	PRT	673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE ON L3K3V7	W/239.9	3.44	54
23	PRT	673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE ON L3K3V7	W/239.9	3.44	54
23	RST	TARGET GAS BAR & CONVENIENCE STORE	297 MAIN ST W PORT COLBORNE ON L3K3V7	W/239.9	3.44	54
23	SPL		297 Main St Port Colborne ON	W/239.9	3.44	55
23	FST	673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W/239.9	3.44	55
23	FST	673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W/239.9	3.44	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	FST	673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W/239.9	3.44	56
23	INC		297 Main Street , Port Colborne ON	W/239.9	3.44	57
23	GEN	2701179 Ontario Inc.	297 Main Street West Port Colborne ON L3K 3V7	W/239.9	3.44	57
23	FST	2701179 ONTARIO INC	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W/239.9	3.44	58
23	FST		297 MAIN ST W PORT COLBORNE ON L3K 3V7	W/239.9	3.44	58
23	FST		297 MAIN ST W PORT COLBORNE ON L3K 3V7	W/239.9	3.44	59
23	FST	2701179 ONTARIO INC	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W/239.9	3.44	59
24	EHS		220 Erie St Port Colborne ON L3K 0A6	SW/249.7	2.44	59
24	EHS		220 Erie St Port Colborne ON L3K 0A6	SW/249.7	2.44	60
24	EHS		220 Erie St Port Colborne ON L3K 0A6	SW/249.7	2.44	60
25	SPL	PRIVATE OWNER	129 MAIN ST WEST. MOTOR VEHICLE (OPERATING FLUID) PORT COLBORNE CITY ON L3K 3V3	NE/250.0	1.31	60
26	GEN	Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE/250.0	-0.54	61
26	GEN	Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE/250.0	-0.54	61

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	EASR	CORPORATION OF THE CITY OF PORT COLBORNE	3 KILLALY ST W PORT COLBORNE ON L3K 6H1	SE/250.0	-0.54	61
26	GEN	Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE/250.0	-0.54	62
26	GEN	Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE/250.0	-0.54	62
26	GEN	Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON	SE/250.0	-0.54	62
26	GEN	Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE/250.0	-0.54	63

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	NW	71.08	2
	ON	WSW	147.92	11
	ON	NE	202.55	16
	ON	SSW	206.90	18
	ON	NNW	207.30	19

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
The Regional Municipality of Niagara	17 Omer Ave Port Colborne ON	NNW	221.59	20

Lower Elevation	Address	Direction	Distance (m)	Map Key
PORT COLBORNE CITY	CANAL BANK RD./AMELIA ST. PORT COLBORNE CITY ON	ENE	118.10	8

R.M. OF NIAGARA	MAIN ST.SEW.P.S./CANAL BANK RD PORT COLBORNE CITY ON	NE	167.08	12

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Dec 31, 2020 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
CORPORATION OF THE CITY OF PORT COLBORNE	3 KILLALY ST W PORT COLBORNE ON L3K 6H1	SE	249.96	26

EBR - Environmental Registry

A search of the EBR database, dated 1994-Jan 31, 2020 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Heritage Sign and Manufacturing	6 George Street Port Colborne Regional Municipality of Niagara L3K 3S1 CITY OF PORT COLBORNE ON	S	225.93	21

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 3 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
The Corporation of the City of Port Colborne	George Street Port Colborne ON L3K 3C8	NNW	202.10	15
The Regional Municipality of Niagara	17 Omer Ave Port Colborne ON	NNW	221.59	20
Heritage Sign and Manufacturing	6 George St Port Colborne ON L3K 3S1	S	225.93	21

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 9 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	202 Main Street West Port Colborne ON L3K 3V4	NW	59.60	1
	202 Main Street West Port Colborne ON L3K 3V4	NW	59.60	1
	202 Main Street West Port Colborne ON L3K 3V4	NW	59.60	1
	804 King Street Port Colborne ON L3K 4J4	SW	107.38	6
	237-239 Main Street West Port Colborne ON L3K 3V7	WNW	118.96	9
	6 George Street Port Colborne ON L3K 3S1	S	225.93	21
	220 Erie St Port Colborne ON L3K 0A6	SW	249.67	24
	220 Erie St Port Colborne ON L3K 0A6	SW	249.67	24
	220 Erie St Port Colborne ON L3K 0A6	SW	249.67	24

FST - Fuel Storage Tank

A search of the FST database, dated Jul 31, 2020 has found that there are 7 FST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W	239.89	23

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W	239.89	23
673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W	239.89	23
2701179 ONTARIO INC	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W	239.89	23
	297 MAIN ST W PORT COLBORNE ON L3K 3V7	W	239.89	23
	297 MAIN ST W PORT COLBORNE ON L3K 3V7	W	239.89	23
2701179 ONTARIO INC	297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	W	239.89	23

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 23 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Heritage sign and manufacturing	6 A George st port colborne ON L3K 3S1	S	225.93	21
Heritage sign and manufacturing	6 A George st port colborne ON L3K 3S1	S	225.93	21
Heritage sign and manufacturing	6 George Street Port Colborne ON L3K 3S1	S	225.93	21
Heritage sign and manufacturing	6 A George st port colborne ON	S	225.93	21

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Heritage sign and manufacturing	6 A George st port colborne ON	S	225.93	21
Heritage sign and manufacturing	6 A George st port colborne ON L3K 3S1	S	225.93	21
MARSH ENGINEERING LTD.	130 MELLANBY AVE. C/O 118 WEST ST. PORT COLBORNE ON L3K 2L5	E	229.87	22
MARSH ENGINEERING LTD.	130 MELLENBY AVE. C/O 118 WEST ST. PORT COLBORNE ON L3K 5V7	E	229.87	22
MARSH ENGINEERING LTD.	130 MELLENBY AVENUE PORT COLBORNE ON L3K 5V7	E	229.87	22
MARSH ENGINEERING LTD. 25-263	130 MELLENBY AVE. C/O 118 WEST ST. PORT COLBORNE ON L3K 5V7	E	229.87	22
SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E	229.87	22
SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E	229.87	22
SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E	229.87	22
SMT Services	130 Mellanby Avenue Port Colborne ON L3K 2L5	E	229.87	22
Algoma Central Corporation	130 Mellanby Avenue Port Colborne ON L3K-2L5	E	229.87	22

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Algoma Central Corporation	130 Mellanby Avenue Port Colborne ON L3K-2L5	E	229.87	22
2701179 Ontario Inc.	297 Main Street West Port Colborne ON L3K 3V7	W	239.89	23

Lower Elevation	Address	Direction	Distance (m)	Map Key
Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE	249.96	26
Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE	249.96	26
Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE	249.96	26
Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE	249.96	26
Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON L3K 6H1	SE	249.96	26
Corporation of the City of Port Colborne	3 Killaly Street W Port Colborne ON	SE	249.96	26

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	818 KING STREET PORT COLBORNE ON L3K 4J5	WSW	107.15	5

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Jul 31, 2020 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	297 Main Street , Port Colborne ON	W	239.89	23

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Dec 31, 2020 has found that there are 10 PES site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
REICHMAN LUMBER DIV. 938075 ONT. LTD	270 MAIN STREET WEST PORT COLBORNE ON L3K 3V5	W	187.43	13
REICHMAN LUMBER DIV. 938075 ONT. LTD	270 MAIN STREET WEST PORT COLBORNE ON L3K 3V5	W	187.43	13
FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W	187.43	13
FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W	187.43	13
1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W	187.43	13
1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE	270 MAIN ST W PORT COLBORNE ON L3K 3V5	W	187.43	13
FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W	187.43	13
FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W	187.43	13

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W	187.43	13
FRANK'S HOME BUILDING CENTRE	270 MAIN ST W PORT COLBORNE ON L3K3V5	W	187.43	13

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	142 Main Street West, Port Colborne ON	ENE	203.38	17

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE ON L3K3V7	W	239.89	23
673920 ONTARIO LTD	297 MAIN ST W PORT COLBORNE ON L3K3V7	W	239.89	23

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Dec 31, 2020 has found that there are 1 RST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
TARGET GAS BAR & CONVENIENCE STORE	297 MAIN ST W PORT COLBORNE ON L3K3V7	W	239.89	23

SCT - Scott's Manufacturing Directory

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Takis Embroidery	230 Main St W Unit 3 Port Colborne ON L3K 3V5	W	132.85	10
Madman's Embroidery	230 Main St W Unit 3 Port Colborne ON L3K 3V5	W	132.85	10
Reichman Lumber	270 Main St W Port Colborne ON L3K 3V5	W	187.43	13
TRIANGLE PLASTICS LTD	6 GEORGE ST PORT COLBORNE ON L3K 3S1	S	225.93	21
TRIANGLE PLASTICS LTD.	6 George St Port Colborne ON L3K 3S1	S	225.93	21
Heritage Sign Builders	6 George St Port Colborne ON L3K 3S1	S	225.93	21
Taliscor Plastics Inc.	130 Mellanby Ave Port Colborne ON L3K 2L5	E	229.87	22

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 5 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Canadian Niagara Power Inc.	on King St. in Port Colborne at Neff St. <UNOFFICIAL> Port Colborne ON	WSW	73.44	3
Canadian Niagara Power Inc.	832 King Street Port Colborne ON	W	100.06	4
	297 Main St Port Colborne ON	W	239.89	23

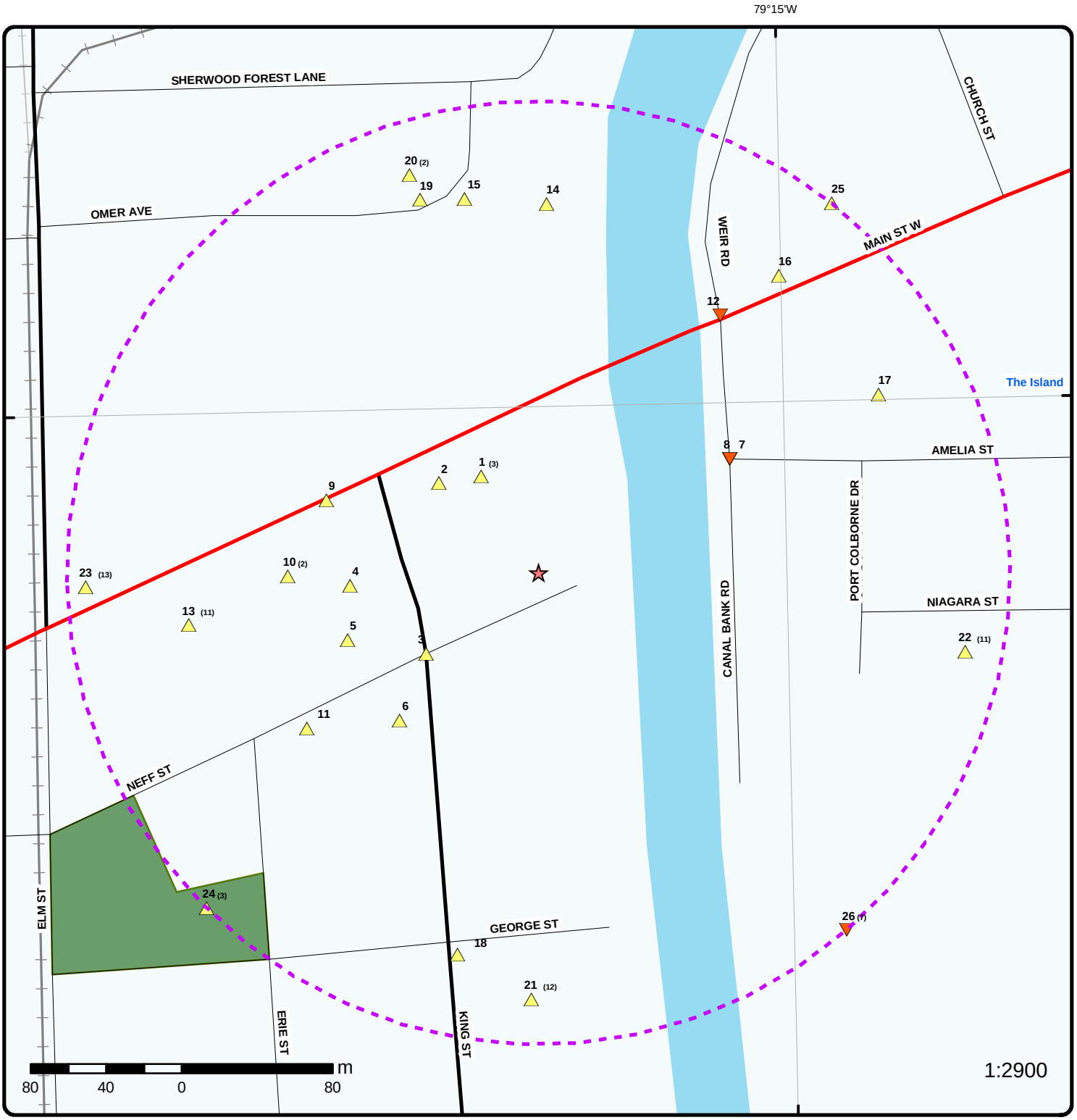
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PRIVATE OWNER	129 MAIN ST WEST. MOTOR VEHICLE (OPERATING FLUID) PORT COLBORNE CITY ON L3K 3V3	NE	249.96	25

Lower Elevation	Address	Direction	Distance (m)	Map Key
Canadian Niagara Power Inc.	Corner of Amelia and Canal Bank Rd<UNOFFICIAL> Port Colborne ON	ENE	117.90	7

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 28 con 2 ON ***Well ID:*** 6601044	N	195.27	14



Map: 0.25 Kilometer Radius

Order Number: 21021900321

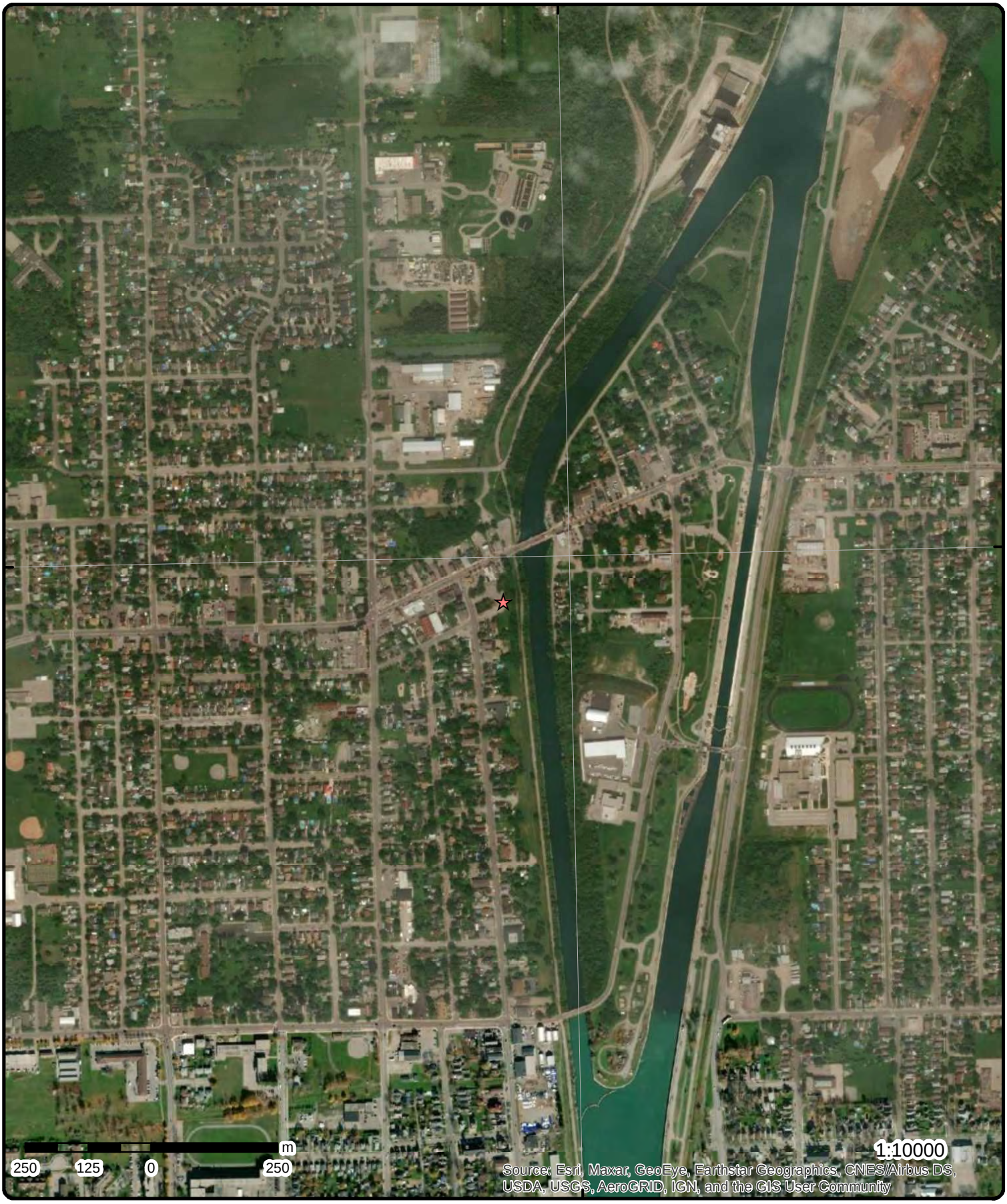
Address: 1 Neff Street, Port Colborne, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

79°15'W

42°54'N



42°54'N

Aerial

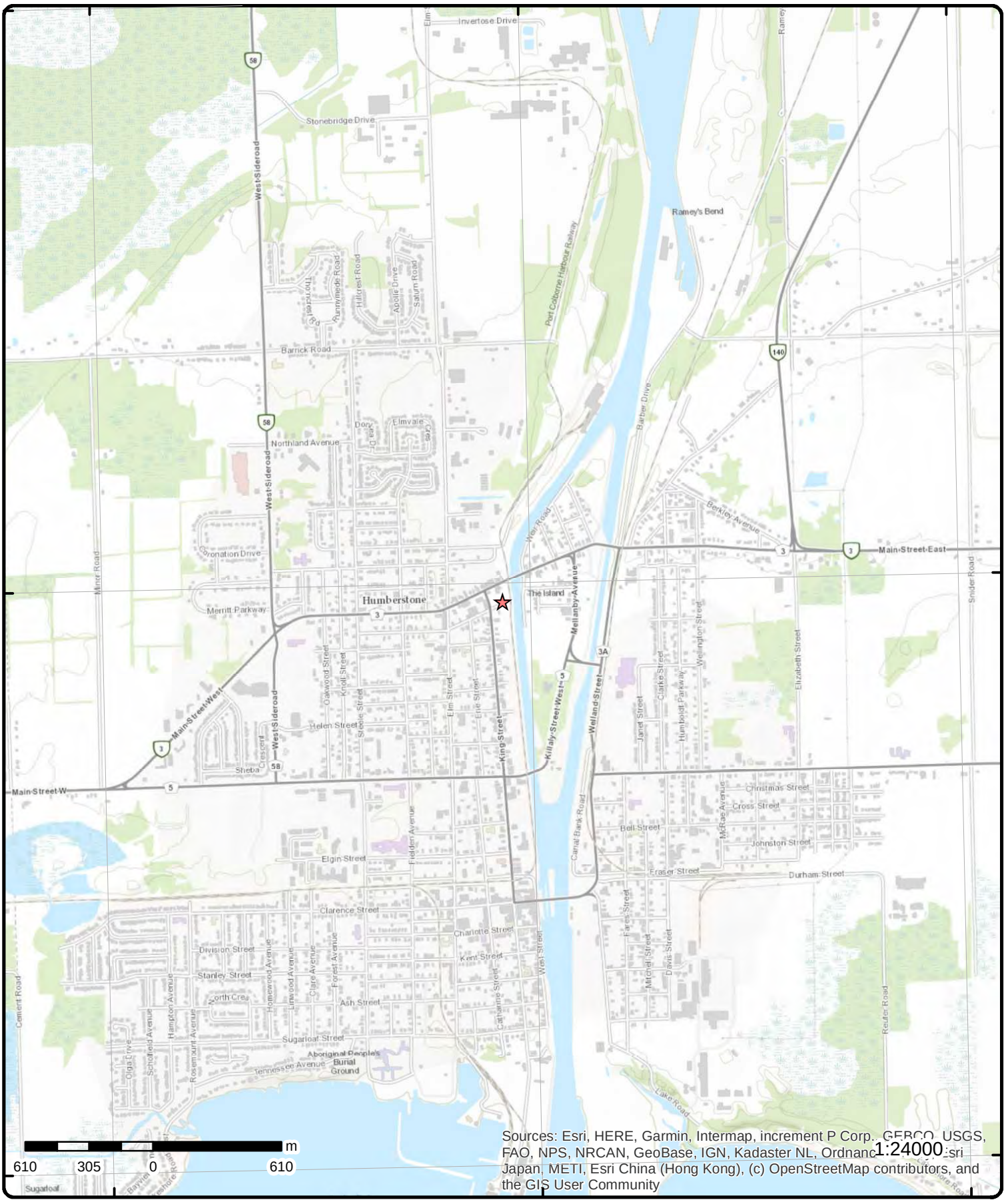
Year: 2018

Order Number: 21021900321

Address: 1 Neff Street, Port Colborne, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 1 Neff Street, ON

Source: ESRI World Topographic Map

Order Number: 21021900321

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 3	NW/59.6	175.7 / 0.29	202 Main Street West Port Colborne ON L3K 3V4	EHS

Order No:	20200604093	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-JUN-20	**Search Radius (km):**	.25
Date Received:	04-JUN-20	**X:**	-79.2520308
Previous Site Name:		**Y:**	42.899675
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 3	NW/59.6	175.7 / 0.29	202 Main Street West Port Colborne ON L3K 3V4	EHS

Order No:	20200604093	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-JUN-20	**Search Radius (km):**	.25
Date Received:	04-JUN-20	**X:**	-79.2520308
Previous Site Name:		**Y:**	42.899675
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 3	NW/59.6	175.7 / 0.29	202 Main Street West Port Colborne ON L3K 3V4	EHS

Order No:	20200604093	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-JUN-20	**Search Radius (km):**	.25
Date Received:	04-JUN-20	**X:**	-79.2520308
Previous Site Name:		**Y:**	42.899675
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NW/71.1	175.8 / 0.44	ON	BORE

Borehole ID:	604936	**Inclin FLG:**	No
OGF ID:	215506744	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	MAR-1964	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	42.899646
Total Depth m:	.5	**Longitude DD:**	-79.252306
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	642685

Drill Method:	Boring	**Northing:**	4751152
Orig Ground Elev m:	178	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	175		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218366605	**Mat Consistency:**	
Top Depth:	.1	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Concrete	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CONCRETE. GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218366604	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Asphalt	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ASPHALT.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: NIAGARA.txt RecordID: 036060 NTS_Sheet: 30L14F		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	WSW/73.4	175.8 / 0.44	**Canadian Niagara Power Inc.** **on King St. in Port Colborne at Neff St.** **<UNOFFICIAL>** **Port Colborne ON**	SPL

Ref No:	3321-778UAX	**Discharger Report:**	
Site No:		**Material Group:**	Oil
Incident Dt:		**Health/Env Conseq:**	

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

Year:		**Client Type:**	
Incident Cause:	Cooling System Leak	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	TRANSFORMER OIL (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:**	Port Colborne
Nature of Impact:	Soil Contamination	**Site Lot:**	
Receiving Medium:	Land	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Planned Field Response	**Easting:**	
Dt MOE Arvl on Scn:	9/24/2007	**Site Geo Ref Accu:**	
MOE Reported Dt:	9/20/2007	**Site Map Datum:**	
Dt Document Closed:	9/24/2007	**SAC Action Class:**	
Incident Reason:	Error- Operator error	**Source Type:**	

Site Name: on King St. in Port Colborne at Neff St. <UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Canadian Niagara Power - 10 L transformer oil to asphalt.
Contaminant Qty: 10 L

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4 | ***1 of 1*** | ***W/100.1*** | ***176.8 / 1.44*** | ***Canadian Niagara Power Inc.***
 832 King Street
 Port Colborne ON | ***SPL***

Ref No:	1182-BJ4LAS	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	11/20/2019	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	TRANSFORMER OIL (N.O.S.)	**Site Address:**	832 King Street
Contaminant Limit 1:		**Site District Office:**	Niagara
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	West Central
Environment Impact:		**Site Municipality:**	Port Colborne
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	4751150.67
MOE Response:	Yes	**Easting:**	642644.93
Dt MOE Arvl on Scn:	11/21/2019	**Site Geo Ref Accu:**	
MOE Reported Dt:	11/20/2019	**Site Map Datum:**	
Dt Document Closed:	1/2/2020	**SAC Action Class:**	Land Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Transformer

Site Name: Pole Transformer<UNOFFICIAL>
Site County/District: Regional Municipality of Niagara
Site Geo Ref Meth:
Incident Summary: Canadian Niagara Power: non-pcb oil to sidewalk/road
Contaminant Qty: 100 L

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5 | ***1 of 1*** | ***WSW/107.1*** | ***176.8 / 1.44*** | ***818 KING STREET***
 PORT COLBORNE ON L3K 4J5 | ***HINC***

External File Num: FS INC 0801-00364
Fuel Occurrence Type: CO Release
Date of Occurrence: 1/20/2008
Fuel Type Involved: Natural Gas
Status Desc: Pending Root Cause Attribution Validation
Job Type Desc: Incident/Near-Miss Occurrence (FS)

Oper. Type Involved:	Multi-unit Residential
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:Yes Procedures:No Maintenance:No Design:Yes Training: No Management:No Human Factors:No
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Niagara
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

---

6 | **1 of 1** | **SW/107.4** | **176.1 / 0.71** | **804 King Street, Port Colborne ON L3K 4J4** | **EHS**

Order No:	20180717198	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Rural)	**Client Prov/State:**	ON
Report Date:	24-JUL-18	**Search Radius (km):**	.3
Date Received:	17-JUL-18	**X:**	-79.252591
Previous Site Name:		**Y:**	42.898517
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Aerial Photos		

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7 | **1 of 1** | **ENE/117.9** | **175.1 / -0.27** | **Canadian Niagara Power Inc., Corner of Amelia and Canal Bank Rd<UNOFFICIAL>, Port Colborne ON** | **SPL**

Ref No:	1371-87MPYF	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Transformer
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	MINERAL OIL	**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:	Soil Contamination	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Planned Field Response	**Easting:**	
Dt MOE Arvl on Scn:	7/27/2010	**Site Geo Ref Accu:**	
MOE Reported Dt:	7/23/2010	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Storm/Flood - Resulting from storm/flood/lightening	**Source Type:**	
Site Name:	Corner of Amelia and Canal Bank Rd<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	10L Non PCB Transformer Spill - Port Colbourne		
Contaminant Qty:	10 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	ENE/118.1	175.1 / -0.27	PORT COLBORNE CITY CANAL BANK RD./AMELIA ST. PORT COLBORNE CITY ON	CA

Certificate #: 3-0920-90-
Application Year: 90
Issue Date: 6/7/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	WNW/119.0	176.8 / 1.44	237-239 Main Street West Port Colborne ON L3K 3V7	EHS

Order No: 20160308085
Status: C
Report Type: Standard Report
Report Date: 14-MAR-16
Date Received: 08-MAR-16
Previous Site Name:
Lot/Building Size: approximately 0.5 acres
Additional Info Ordered:

Nearest Intersection:
Municipality: Niagara
Client Prov/State: ON
Search Radius (km): .25
X: -79.253039
Y: 42.899577

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 2	W/132.9	176.8 / 1.44	Madman's Embroidery 230 Main St W Unit 3 Port Colborne ON L3K 3V5	SCT

Established: 2000
Plant Size (ft²):
Employment: 2

--Details--
Description: All Other Textile Product Mills
SIC/NAICS Code: 314990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	2 of 2	W/132.9	176.8 / 1.44	Takis Embroidery 230 Main St W Unit 3 Port Colborne ON L3K 3V5	SCT

Established: 2000
Plant Size (ft²):
Employment:

--Details--
Description: All Other Textile Product Mills
SIC/NAICS Code: 314990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	1 of 1	WSW/147.9	176.8 / 1.44	ON	BORE

Borehole ID:	604935	**Inclin FLG:**	No
OGF ID:	215506743	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	MAR-1964	**Municipality:**	
Static Water Level:	0.4	**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	42.898489
Total Depth m:	2.6	**Longitude DD:**	-79.253196
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	642615
Drill Method:	Boring	**Northing:**	4751022
Orig Ground Elev m:	178	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	177		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218366602	**Mat Consistency:**	Soft
Top Depth:	1.2	**Material Moisture:**	
Bottom Depth:	2.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND,GRAVEL. BROWN,VERY SOFT.		

Geology Stratum ID:	218366601	**Mat Consistency:**	Soft
Top Depth:	.8	**Material Moisture:**	
Bottom Depth:	1.2	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,VERY SOFT, WATER STABLE AT 582.7 FEET.		

Geology Stratum ID:	218366599	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Granuls	**Geologic Period:**	
Material 4:		**Depositional Gen:**	fill
Gsc Material Description:			
Stratum Description:	FILL,CLAY,CINDERS.		

Geology Stratum ID:	218366600	**Mat Consistency:**	Stiff
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: CLAY,GRAVEL. BROWN,STIFF.

Geology Stratum ID: 218366603
Top Depth: 2.1
Bottom Depth: 2.6
Material Color: Brown
Material 1: Clay
Material 2: Sand
Material 3: Gravel
Material 4:
Mat Consistency: Hard
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Gsc Material Description:
Stratum Description: CLAY,SAND,GRAVEL. BROWN,HARD. 012 010 00008018000250100004002700070041 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: NIAGARA.txt RecordID: 036050 NTS_Sheet: 30L14F
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

12	1 of 1	NE/167.1	175.2 / -0.17	R.M. OF NIAGARA MAIN ST.SEW.P.S./CANAL BANK RD PORT COLBORNE CITY ON	CA

Certificate #: 3-1595-95-006
Application Year: 95
Issue Date: 11/16/95
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

13	1 of 11	W/187.4	177.8 / 2.44	REICHMAN LUMBER DIV. 938075 ONT. LTD 270 MAIN STREET WEST PORT COLBORNE ON L3K 3V5	PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:

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

Licence Type:	Vendor	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	2 of 11	W/187.4	177.8 / 2.44	Reichman Lumber 270 Main St W Port Colborne ON L3K 3V5	SCT

Established:	01-DEC-91
Plant Size (ft²):	2200
Employment:	

--Details--

Description:	Home Centres
SIC/NAICS Code:	444110

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	3 of 11	W/187.4	177.8 / 2.44	REICHMAN LUMBER DIV. 938075 ONT. LTD 270 MAIN STREET WEST PORT COLBORNE ON L3K 3V5	PES

Detail Licence No:	23-01-10061-0	**Operator Box:**	
Licence No:	10061	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:		**Oper Area Code:**	
Licence Type:	Limited Vendor	**Oper Phone No:**	
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:	2	**Post Office Box:**	
District:	1	**MOE District:**	
County:	38	**SWP Area Name:**	
Trade Name:			
PDF Link:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	4 of 11	W/187.4	177.8 / 2.44	FRANK'S HOME BUILDING CENTRE 270 MAIN ST W PORT COLBORNE ON L3K 3V5	PES

Detail Licence No:		**Operator Box:**	
Licence No:		**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:		**Oper Area Code:**	
Licence Type:	Limited Vendor	**Oper Phone No:**	
Licence Type Code:	23	**Operator Ext:**	

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

Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

---

13 ***5 of 11*** ***W/187.4*** ***177.8 / 2.44***

FRANK'S HOME BUILDING CENTRE
270 MAIN ST W
PORT COLBORNE ON L3K 3V5

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:

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13 ***6 of 11*** ***W/187.4*** ***177.8 / 2.44***

1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE
270 MAIN ST W
PORT COLBORNE ON L3K 3V5

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:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	7 of 11	W/187.4	177.8 / 2.44	1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE 270 MAIN ST W PORT COLBORNE ON L3K 3V5	PES

Detail Licence No:	23-01-15796-0	**Operator Box:**	
Licence No:		**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:		**Oper Area Code:**	
Licence Type:	LIMITED	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	8 of 11	W/187.4	177.8 / 2.44	FRANK'S HOME BUILDING CENTRE 270 MAIN ST W PORT COLBORNE ON L3K3V5	PES

Detail Licence No:	23-01-10061-0	**Operator Box:**	
Licence No:	10061	**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:**	8344913
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:	2	**Post Office Box:**	
District:	1	**MOE District:**	
County:	38	**SWP Area Name:**	
Trade Name:			
PDF Link:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	9 of 11	W/187.4	177.8 / 2.44	FRANK'S HOME BUILDING CENTRE 270 MAIN ST W PORT COLBORNE ON L3K3V5	PES

Detail Licence No:		**Operator Box:**	
Licence No:	18157	**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:**	8344913
Licence Type Code:	23	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	

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

Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

---

13 | 10 of 11 | W/187.4 | 177.8 / 2.44 | 1834545 ONTARIO INC. / JASON'S CRESCENT HOME HARDWARE
270 MAIN ST W
PORT COLBORNE ON L3K3V5 | PES

Detail Licence No:
Licence No: 15796
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: 8344913
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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13 | 11 of 11 | W/187.4 | 177.8 / 2.44 | FRANK'S HOME BUILDING CENTRE
270 MAIN ST W
PORT COLBORNE ON L3K3V5 | PES

Detail Licence No:
Licence No: 10061
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: 8344913
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

---

14 | 1 of 1 | N/195.3 | 175.5 / 0.13 | lot 28 con 2
ON | WWIS

Well ID: 6601044
Construction Date:
Data Entry Status:
Data Src: 1

Primary Water Use:	Domestic	**Date Received:**	8/21/1952
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3210
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	66
Elevation (m):		**Municipality:**	PORT COLBORNE CITY (HUMBERSTONE)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/660\6601044.pdf

Bore Hole Information

Bore Hole ID:	10460778	**Elevation:**	176.3078
DP2BR:	8	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	642741.9
Code OB Desc:	Bedrock	**North83:**	4751300
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/3/1952	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932590469
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932590470
Layer:	2
Color:	
General Color:	

Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 24
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966601044
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11009348
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930748447
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 8
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930748448
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 24
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996601044
Pump Set At:
Static Level: 12
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933948318
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	24
Water Found Depth UOM:	ft

---

15 | ***1 of 1*** | ***NNW/202.1*** | ***175.4 / 0.03*** | ***The Corporation of the City of Port Colborne***
George Street
Port Colborne ON L3K 3C8 | ***ECA***

Approval No:	8709-5RVNY4	**MOE District:**	Niagara
Approval Date:	2003-09-30	**City:**	
Status:	Approved	**Longitude:**	-79.2521
Record Type:	ECA	**Latitude:**	42.901
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Niagara Peninsula	**Geometry Y:**	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:	George Street		
Full Address:			
Full PDF Link:			

---

16 | ***1 of 1*** | ***NE/202.5*** | ***175.9 / 0.53*** | ***ON*** | ***BORE***

Borehole ID:	604952	**Inclin FLG:**	No
OGF ID:	215506760	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	MAR-1964	**Municipality:**	
Static Water Level:	0.5	**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	42.900603
Total Depth m:	8.1	**Longitude DD:**	-79.250074
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	642865
Drill Method:	Boring	**Northing:**	4751262
Orig Ground Elev m:	178	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	176		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218366668	**Mat Consistency:**	Stiff
Top Depth:	1.1	**Material Moisture:**	
Bottom Depth:	2.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	

Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	fill
Gsc Material Description:			
Stratum Description:	FILL,SAND,GRAVEL. BROWN,STIFF, WATER STABLE AT 585.0 FEET.		

Geology Stratum ID:	218366670	**Mat Consistency:**	
Top Depth:	7.2	**Material Moisture:**	
Bottom Depth:	7.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Concrete	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CONCRETE.		

Geology Stratum ID:	218366671	**Mat Consistency:**	
Top Depth:	7.2	**Material Moisture:**	
Bottom Depth:	8.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,LIMESTONE, CHERT. GREY,BROKEN. 00000017000350120006804100236041 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218366667	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	fill
Gsc Material Description:			
Stratum Description:	FILL,SAND,GRAVEL. BROWN,ANGULAR.		

Geology Stratum ID:	218366669	**Mat Consistency:**	
Top Depth:	2.1	**Material Moisture:**	
Bottom Depth:	7.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,LIMESTONE, CHERT. GREY,BROKEN.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: NIAGARA.txt RecordID: 036220 NTS_Sheet: 30L14F		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

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		

17 **1 of 1** **ENE/203.4** **176.8 / 1.43** **142 Main Street West, Port Colborne ON** **PINC**

Incident ID:	2748532	**Fuel Category:**	Natural Gas
Incident No:	591962	**Health Impact:**	No
Incident Reported Dt:		**Environment Impact:**	No
Type:	FS-Pipeline Incident	**Property Damage:**	No
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	No
Customer Acct Name:		**Enforce Policy:**	Yes
Incident Address:		**Public Relation:**	No
Tank Status:	RC Established	**Pipeline System:**	Transmission pipeline
Task No:	3345604	**Depth:**	24
Spills Action Centre:		**Pipe Material:**	Steel
Fuel Type:	Natural Gas	**PSIG:**	40
Fuel Occurrence Tp:	Pipeline Strike	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:	12/25/2010 0:00	**Regulator Location:**	
Occurrence Start Dt:	2011/05/11	**Method Details:**	E-mail
Operation Type:	Construction Site (excluding pipeline strike)		
Pipeline Type:	Main Distribution Pipeline		
Regulator Type:			
Summary:	142 Main Street West, Port Colborne - 1 ¼" Pipeline Hit		
Reported By:	Joe Adams - TSSA		
Affiliation:	Safety Authorities (MOL, ESA, Insurers, etc.)		
Occurrence Desc:	steel main had protective cover scaped off		
Damage Reason:	Excavation practices not sufficient		
Notes:	yellow jacket scraped off for 40 feet.		

18 **1 of 1** **SSW/206.9** **175.9 / 0.45** **ON** **BORE**

Borehole ID:	604937	**Inclin FLG:**	No
OGF ID:	215506745	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	MAR-1964	**Municipality:**	
Static Water Level:	0.4	**Lot:**	
Primary Water Use:	Not Used	**Township:**	
Sec. Water Use:		**Latitude DD:**	42.897394
Total Depth m:	1.3	**Longitude DD:**	-79.252247
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	642695
Drill Method:	Boring	**Northing:**	4750902
Orig Ground Elev m:	177	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	177		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218366608	**Mat Consistency:**	Soft
Top Depth:	.9	**Material Moisture:**	

Bottom Depth:	1.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT,GRAVEL. BROWN,VERY SOFT. 0001501600030039 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218366607	**Mat Consistency:**	Stiff
Top Depth:	.5	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,STIFF, WATER STABLE AT 582.1 FEET.		

Geology Stratum ID:	218366606	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: NIAGARA.txt RecordID: 036070 NTS_Sheet: 30L14F		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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		

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19 | ***1 of 1*** | ***NNW/207.3*** | ***175.5 / 0.04*** | ***ON*** | ***BORE***

Borehole ID:	604951	**Inclin FLG:**	No
OGF ID:	215506759	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	FEB-1967	**Municipality:**	
Static Water Level:	0.2	**Lot:**	
Primary Water Use:	Not Used	**Township:**	

Sec. Water Use:		**Latitude DD:**	42.900998
Total Depth m:	7.5	**Longitude DD:**	-79.25239
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	642675
Drill Method:	Boring	**Northing:**	4751302
Orig Ground Elev m:	176	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	177		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218366663	**Mat Consistency:**	Soft
Top Depth:	2.1	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,VERY SOFT,LAMINATED, WATER STABLE AT 578.1 FEET.		

Geology Stratum ID:	218366664	**Mat Consistency:**	Soft
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. BROWN,SOFT.		

Geology Stratum ID:	218366665	**Mat Consistency:**	Soft
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:	6	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:	Gravel	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT,SAND, GRAVEL. BROWN,VERY SOFT.		

Geology Stratum ID:	218366662	**Mat Consistency:**	Soft
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT,GRAVEL. BROWN,VERY SOFT.		

Geology Stratum ID:	218366666	**Mat Consistency:**	Hard
Top Depth:	6	**Material Moisture:**	
Bottom Depth:	7.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	

Material 3: Sand
Material 4: Gravel
Geologic Period:
Depositional Gen:
Gsc Material Description:
Stratum Description: TILL,CLAY,SAND, GRAVEL. BROWN,HARD. 024 035 046 013 00000 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: NIAGARA.txt RecordID: 036210 NTS_Sheet: 30L14F
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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20 **1 of 2** **NNW/221.6** **176.4 / 0.99** **The Regional Municipality of Niagara**
17 Omer Ave
Port Colborne ON
CA

Certificate #: 2513-7YLNWU
Application Year: 2009
Issue Date: 12/16/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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20 **2 of 2** **NNW/221.6** **176.4 / 0.99** **The Regional Municipality of Niagara**
17 Omer Ave
Port Colborne ON
ECA

Approval No: 2513-7YLNWU
Approval Date: 2009-12-16
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Niagara Peninsula
MOE District: Niagara
City:
Longitude: -79.2626
Latitude: 42.9009
Geometry X:
Geometry Y:
Approval Type: ECA-AIR
Project Type: AIR
Address: 17 Omer Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3371-7XMKUG-14.pdf

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 12	S/225.9	175.8 / 0.39	TRIANGLE PLASTICS LTD 6 GEORGE ST PORT COLBORNE ON L3K 3S1	SCT

Established: 1960
Plant Size (ft²): 4500
Employment: 2

--Details--
Description: PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 3089

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	2 of 12	S/225.9	175.8 / 0.39	TRIANGLE PLASTICS LTD. 6 George St Port Colborne ON L3K 3S1	SCT

Established: 1960
Plant Size (ft²): 4500
Employment: 2

--Details--
Description: All Other Plastic Product Manufacturing
SIC/NAICS Code: 326198

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	3 of 12	S/225.9	175.8 / 0.39	6 George Street Port Colborne ON L3K 3S1	EHS

Order No: 20050615017
Status: C
Report Type:
Report Date: 6/21/2005
Date Received: 6/15/2005
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Title Search

Nearest Intersection: King & George
Municipality: Region Niagara
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.252034
Y: 42.897255

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	4 of 12	S/225.9	175.8 / 0.39	Heritage Sign Builders 6 George St Port Colborne ON L3K 3S1	SCT

Established: 1998
Plant Size (ft²):
Employment:

--Details--
Description: Sign Manufacturing
SIC/NAICS Code: 339950

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	5 of 12	S/225.9	175.8 / 0.39	Heritage Sign and Manufacturing 6 George Street Port Colborne Regional Municipality of Niagara L3K 3S1 CITY OF PORT COLBORNE ON	EBR

EBR Registry No: 011-7697
Ministry Ref No: 3178-92FPH6

Decision Posted:
Exception Posted:

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

Notice Type: Instrument Decision
Notice Stage:
Notice Date: November 03, 2016
Proposal Date: November 30, 2012
Year: 2012
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:
Posted By:
Company Name: Heritage Sign and Manufacturing
Site Address:
Location Other:
Proponent Name:
Proponent Address: 6 George Street, Port Colborne Ontario, Canada L3K 3S1
Comment Period:
URL:

Site Location Details:

6 George Street Port Colborne Regional Municipality of Niagara L3K 3S1 CITY OF PORT COLBORNE

Section:
Act 1:
Act 2:
Site Location Map:

21	6 of 12	S/225.9	175.8 / 0.39	Heritage sign and manufacturing 6 A George st port colborne ON	GEN

Generator No: ON7304895
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 326140
SIC Description: Polystyrene Foam Product Manufacturing

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

21	7 of 12	S/225.9	175.8 / 0.39	Heritage sign and manufacturing 6 A George st port colborne ON	GEN

Generator No: ON7304895
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 326140
SIC Description: POLYSTYRENE FOAM PRODUCT MANUFACTURING

Detail(s)

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

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

21	8 of 12	S/225.9	175.8 / 0.39	Heritage Sign and Manufacturing 6 George St Port Colborne ON L3K 3S1	ECA

Approval No: 9550-A8WMLY
Approval Date: 2016-10-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Niagara Peninsula
Approval Type: ECA-AIR
Project Type: AIR

MOE District: Niagara
City:
Longitude: -79.2519
Latitude: 42.89718
Geometry X:
Geometry Y:

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

Address: 6 George St
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3178-92FPH6-14.pdf

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21 **9 of 12** **S/225.9** **175.8 / 0.39** **Heritage sign and manufacturing**
6 A George st
port colborne ON L3K 3S1 **GEN**

Generator No: ON7304895
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 326140
SIC Description: POLYSTYRENE FOAM PRODUCT MANUFACTURING

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

Detail(s)

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

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21 **10 of 12** **S/225.9** **175.8 / 0.39** **Heritage sign and manufacturing**
6 A George st
port colborne ON L3K 3S1 **GEN**

Generator No: ON7304895
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 326140
SIC Description: POLYSTYRENE FOAM PRODUCT MANUFACTURING

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

Detail(s)

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

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21 **11 of 12** **S/225.9** **175.8 / 0.39** **Heritage sign and manufacturing**
6 A George st
port colborne ON L3K 3S1 **GEN**

Generator No: ON7304895
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 326140
SIC Description: POLYSTYRENE FOAM PRODUCT MANUFACTURING

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

Detail(s)

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

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21 **12 of 12** **S/225.9** **175.8 / 0.39** **Heritage sign and manufacturing**
6 George Street
Port Colborne ON L3K 3S1 **GEN**

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

Generator No: ON7304895
Status: Registered
Approval Years: As of Jun 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 232 H
Waste Class Desc: Polymeric resins

---

22 **1 of 11** **E/229.9** **175.8 / 0.36** **Taliscor Plastics Inc.**
130 Mellanby Ave
Port Colborne ON L3K 2L5 **SCT**

Established: 1999
Plant Size (ft²):
Employment: 7

--Details--
Description: Unsupported Plastic Profile Shape Manufacturing
SIC/NAICS Code: 326121

---

22 **2 of 11** **E/229.9** **175.8 / 0.36** **MARSH ENGINEERING LTD.**
130 MELLANBY AVE. C/O 118 WEST ST.
PORT COLBORNE ON L3K 2L5 **GEN**

Generator No: ON0119201
Status:
Approval Years: 86,87
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

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

---

22 **3 of 11** **E/229.9** **175.8 / 0.36** **MARSH ENGINEERING LTD.**
130 MELLENBY AVE. C/O 118 WEST ST.
PORT COLBORNE ON L3K 5V7 **GEN**

Generator No: ON0119201
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

---

22 **4 of 11** **E/229.9** **175.8 / 0.36**

MARSH ENGINEERING LTD.
130 MELLENBY AVENUE
PORT COLBORNE ON L3K 5V7

GEN

Generator No: ON0119201
Status:
Approval Years: 92,93,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.

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

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

---

22 **5 of 11** **E/229.9** **175.8 / 0.36**

MARSH ENGINEERING LTD. 25-263
130 MELLENBY AVE. C/O 118 WEST ST.
PORT COLBORNE ON L3K 5V7

GEN

Generator No: ON0119201
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 3081
SIC Description: MACHINE SHOP IND.

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

Detail(s)

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

---

22 **6 of 11** **E/229.9** **175.8 / 0.36**

SMT Services
130 Mellanby Avenue
Port Colborne ON L3K 2L5

GEN

Generator No: ON3924000
Status:
Approval Years: 05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 483115

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

SIC Description: Deep Sea Coastal and Great Lakes Water Transportation (except by Ferries)

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

---

22 ***7 of 11*** ***E/229.9*** ***175.8 / 0.36*** ***SMT Services*** ***GEN***
130 Mellanby Avenue
Port Colborne ON L3K 2L5

Generator No: ON3924000
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 483115
SIC Description: Deep Sea Coastal and Great Lakes Water Transportation (except by Ferries)

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

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

---

22 ***8 of 11*** ***E/229.9*** ***175.8 / 0.36*** ***SMT Services*** ***GEN***
130 Mellanby Avenue
Port Colborne ON L3K 2L5

Generator No: ON3924000
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:

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

SIC Code: 483115
SIC Description: Deep Sea Coastal and Great Lakes Water Transportation (except by Ferries)

Detail(s)

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

---

22 | **9 of 11** | **E/229.9** | **175.8 / 0.36** | **SMT Services**
130 Mellanby Avenue
Port Colborne ON L3K 2L5 | **GEN**

Generator No: ON3924000
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 483115
SIC Description: Deep Sea Coastal and Great Lakes Water Transportation (except by Ferries)

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

Detail(s)

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

---

22 | **10 of 11** | **E/229.9** | **175.8 / 0.36** | **Algoma Central Corporation**
130 Mellanby Avenue
Port Colborne ON L3K-2L5 | **GEN**

Generator No: ON8980196
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:

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

MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

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

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

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

Waste Class: 148 L
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 211 C
Waste Class Desc: Aromatic solvents and residues

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

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 213 L
Waste Class Desc: Petroleum distillates

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

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

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

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

22	11 of 11	E/229.9	175.8 / 0.36	***Algoma Central Corporation*** ***130 Mellanby Avenue*** ***Port Colborne ON L3K-2L5***	GEN

Generator No: ON8980196
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

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

Waste Class: 213 L
Waste Class Desc: Petroleum distillates

Waste Class: 211 C

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

Waste Class Desc: Aromatic solvents and residues

Waste Class: 148 L
Waste Class Desc: Misc. wastes and inorganic chemicals

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

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

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 221 I
Waste Class Desc: Light fuels

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

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

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

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

Waste Class: 211 I
Waste Class Desc: Aromatic solvents and residues

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

23	1 of 13	W/239.9	178.8 / 3.44	673920 ONTARIO LTD 297 MAIN ST W PORT COLBORNE ON L3K3V7	PRT

Location ID: 11940
Type: retail
Expiry Date: 1994-10-31
Capacity (L): 2000
Licence #: 0033747001

23	2 of 13	W/239.9	178.8 / 3.44	673920 ONTARIO LTD 297 MAIN ST W PORT COLBORNE ON L3K3V7	PRT

Location ID: 11940
Type: retail
Expiry Date: 1995-10-31
Capacity (L): 26500
Licence #: 0052854001

23	3 of 13	W/239.9	178.8 / 3.44	TARGET GAS BAR & CONVENIENCE STORE 297 MAIN ST W PORT COLBORNE ON L3K3V7	RST

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas

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

Phone: 9058351196
List Name:
Description:

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23 **4 of 13** **W/239.9** **178.8 / 3.44** **297 Main St Port Colborne ON** **SPL**

Ref No:	5315-86KQQV	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	36	**Nearest Watercourse:**	
Contaminant Name:	PROPANE VAPOUR	**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:	Not MOE mandate	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/19/2010	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:		**Source Type:**	

Site Name: Target Service Centre (Esso)<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Esso Port Colborne: Propane Leak, safe
Contaminant Qty:

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23 **5 of 13** **W/239.9** **178.8 / 3.44** **673920 ONTARIO LTD**
297 MAIN ST W PORT COLBORNE L3K 3V7 ON
CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA
ON **FST**

Instance No:	64470632	**Manufacturer:**	NULL
Status:	Active	**Serial No:**	NULL
Cont Name:		**Ulc Standard:**	NULL
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	1
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	EA
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Single Wall UST	**Fuel Type2:**	NULL
Install Date:	8/27/2009 10:49:33 AM	**Fuel Type3:**	NULL
Install Year:	1993	**Piping Steel:**	
Years in Service:	1.6	**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	22700	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	NULL
Corrosion Protect:	Fiberglass	**Panam Venue:**	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Full Serve
Facility Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA
Device Installed Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA

Fuel Storage Tank Details

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

Owner Account Name: 673920 ONTARIO LTD

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: 673920 ONTARIO LTD

23	6 of 13	W/239.9	178.8 / 3.44	673920 ONTARIO LTD 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	FST

Instance No: 64470633
Status: Active
Cont Name:
Instance Type: FS Liquid Fuel Tank
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Single Wall UST
Install Date: 8/27/2009 10:49:33 AM
Install Year: 1993
Years in Service: 1.6
Model: NULL
Description:
Capacity: 45400
Tank Material: Fiberglass (FRP)
Corrosion Protect: Fiberglass
Overfill Protect:
Manufacturer: NULL
Serial No: NULL
Ulc Standard: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related: NULL
Panam Venue: NULL
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Full Serve
Facility Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA
Device Installed Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA

Fuel Storage Tank Details

Owner Account Name: 673920 ONTARIO LTD

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: 673920 ONTARIO LTD

23	7 of 13	W/239.9	178.8 / 3.44	673920 ONTARIO LTD 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON	FST

Instance No: 64470627
Status: Active
Cont Name:
Instance Type: FS Liquid Fuel Tank
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Single Wall UST
Install Date: 8/27/2009 10:49:33 AM
Install Year: 1993
Years in Service: 1.6
Model: NULL
Description:
Manufacturer: NULL
Serial No: NULL
Ulc Standard: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type: Diesel
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:

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

Capacity:	22700	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	NULL
Corrosion Protect:	Fiberglass	**Panam Venue:**	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Full Serve
Facility Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA
Device Installed Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA

Fuel Storage Tank Details

Owner Account Name: 673920 ONTARIO LTD

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: 673920 ONTARIO LTD

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23 | ***8 of 13*** | ***W/239.9*** | ***178.8 / 3.44*** | ***297 Main Street , Port Colborne ON*** | ***INC***

Incident No:	410604	**Any Health Impact:**	No
Incident ID:		**Any Enviro Impact:**	No
Instance No:		**Service Interrupted:**	Yes
Status Code:		**Was Prop Damaged:**	No
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2010/06/19 00:00:00	**Indus App. Type:**	
Time of Occurrence:	15:00:00	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2010/06/19 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	Vapour Release	**Depth Ground Cover:**	
Fuel Type Involved:	Propane	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	2943346	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	

Incident Location: 297 Main Street , Port Colborne - Vapour Release
Occurence Narrative: gasket on dispenser failed causing propane discharge.
Operation Type Involved: Commercial (e.g. restaurant, business unit, etc)
Item:
Item Description:
Device Installed Location:

---

23 | ***9 of 13*** | ***W/239.9*** | ***178.8 / 3.44*** | ***2701179 Ontario Inc.
297 Main Street West
Port Colborne ON L3K 3V7*** | ***GEN***

Generator No:	ON8559588	**PO Box No:**	

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

Status: Registered
Approval Years: As of Oct 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 221 L
Waste Class Desc: Light fuels

---

23 | **10 of 13** | **W/239.9** | **178.8 / 3.44** | **2701179 ONTARIO INC**
297 MAIN ST W PORT COLBORNE L3K 3V7 ON
CA
ON | **FST**

Instance No: 64894062
Status:
Cont Name:
Instance Type:
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Double Wall UST
Install Date: 8/27/2019 10:51:09 AM
Install Year: 2019
Years in Service:
Model: NULL
Description:
Capacity: 55000
Tank Material: Fiberglass (FRP)
Corrosion Protect:
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA
Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: Diesel
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related:
Panam Venue:

Fuel Storage Tank Details

Owner Account Name: 2701179 ONTARIO INC

---

23 | **11 of 13** | **W/239.9** | **178.8 / 3.44** | **297 MAIN ST W**
PORT COLBORNE ON L3K 3V7 | **FST**

Instance No: 64894060
Status: Registered
Cont Name:
Instance Type:
Item: FS GASOLINE STATION - SELF SERVE
Item Description:
Tank Type:
Install Date:
Install Year:
Years in Service:
Model:
Description:
Capacity:
Tank Material:
Corrosion Protect:
Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type:
Fuel Type2:
Fuel Type3:
Piping Steel: 0
Piping Galvanized: 0
Tanks Single Wall St: 0
Piping Underground: 3
Num Underground: 2
Panam Related:
Panam Venue:

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

Overfill Protect:
Facility Type:
Parent Facility Type:
Facility Location:
Device Installed Location:

---

23 | ***12 of 13*** | ***W/239.9*** | ***178.8 / 3.44*** | ***297 MAIN ST W PORT COLBORNE ON L3K 3V7*** | ***FST***

Instance No:	9745626	***Manufacturer:***	
Status:	Active	***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS GASOLINE STATION - FULL SERVE	***Unit of Measure:***	
Item Description:		***Fuel Type:***	
Tank Type:		***Fuel Type2:***	
Install Date:		***Fuel Type3:***	
Install Year:		***Piping Steel:***	0
Years in Service:		***Piping Galvanized:***	0
Model:		***Tanks Single Wall St:***	0
Description:		***Piping Underground:***	3
Capacity:		***Num Underground:***	3
Tank Material:		***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	

Overfill Protect:
Facility Type:
Parent Facility Type:
Facility Location:
Device Installed Location:

---

23 | ***13 of 13*** | ***W/239.9*** | ***178.8 / 3.44*** | ***2701179 ONTARIO INC 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA ON*** | ***FST***

Instance No:	64894063	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Double Wall UST	***Fuel Type2:***	Gasoline
Install Date:	8/27/2019 10:51:09 AM	***Fuel Type3:***	NULL
Install Year:	2019	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	55000	***Num Underground:***	
Tank Material:	Fiberglass (FRP)	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	

Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: 297 MAIN ST W PORT COLBORNE L3K 3V7 ON CA

Fuel Storage Tank Details

Owner Account Name: 2701179 ONTARIO INC

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24 | ***1 of 3*** | ***SW/249.7*** | ***177.8 / 2.44*** | ***220 Erie St Port Colborne ON L3K 0A6*** | ***EHS***

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

Order No:	20200515112	**Nearest Intersection:**		
Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	21-MAY-20	**Search Radius (km):**	.25	
Date Received:	15-MAY-20	**X:**	-79.253867	
Previous Site Name:		**Y:**	42.8976438	
Lot/Building Size:				
Additional Info Ordered:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	2 of 3	SW/249.7	177.8 / 2.44	220 Erie St Port Colborne ON L3K 0A6	EHS

Order No:	20200515112	**Nearest Intersection:**		
Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	21-MAY-20	**Search Radius (km):**	.25	
Date Received:	15-MAY-20	**X:**	-79.253867	
Previous Site Name:		**Y:**	42.8976438	
Lot/Building Size:				
Additional Info Ordered:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	3 of 3	SW/249.7	177.8 / 2.44	220 Erie St Port Colborne ON L3K 0A6	EHS

Order No:	20200515112	**Nearest Intersection:**		
Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	21-MAY-20	**Search Radius (km):**	.25	
Date Received:	15-MAY-20	**X:**	-79.253867	
Previous Site Name:		**Y:**	42.8976438	
Lot/Building Size:				
Additional Info Ordered:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	1 of 1	NE/250.0	176.7 / 1.31	PRIVATE OWNER 129 MAIN ST WEST. MOTOR VEHICLE (OPERATING FLUID) PORT COLBORNE CITY ON L3K 3V3	SPL

Ref No:	171004	**Discharger Report:**		
Site No:		**Material Group:**		
Incident Dt:	8/1/1999	**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:**	18102	
Nature of Impact:		**Site Lot:**		
Receiving Medium:	LAND	**Site Conc:**		
Receiving Env:		**Northing:**		
MOE Response:		**Easting:**	FD	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**		
MOE Reported Dt:	8/1/1999	**Site Map Datum:**		
Dt Document Closed:		**SAC Action Class:**		
Incident Reason:	UNKNOWN	**Source Type:**		
Site Name:				
Site County/District:				

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

Site Geo Ref Meth:
Incident Summary: PRIVATE CAR-GAS TK RUPTU-RE, 135 L GASOLINE ONTO ST.,CONTAINED/CLEANED, FD
Contaminant Qty:

---

26 **1 of 7** **SE/250.0** **174.9 / -0.54** **GEN**

Corporation of the City of Port Colborne
3 Killaly Street W
Port Colborne ON L3K 6H1

Generator No: ON2868596
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services

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

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

---

26 **2 of 7** **SE/250.0** **174.9 / -0.54** **GEN**

Corporation of the City of Port Colborne
3 Killaly Street W
Port Colborne ON L3K 6H1

Generator No: ON2868596
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services

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

Detail(s)

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

---

26 **3 of 7** **SE/250.0** **174.9 / -0.54** **EASR**

CORPORATION OF THE CITY OF PORT COLBORNE
3 KILLALY ST W
PORT COLBORNE ON L3K 6H1

Approval No: R-002-6281592184
Status: REGISTERED
Date: 2012-11-16
Record Type: EASR
Link Source: MOFA
Project Type: Standby Power System

SWP Area Name:
MOE District:
Municipality: PORT COLBORNE
Latitude:
Longitude:
Geometry X:

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

Full Address: ***Geometry Y:***
Approval Type: EASR-Standby Power System
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2594

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26 ***4 of 7*** ***SE/250.0*** ***174.9 / -0.54*** ***Corporation of the City of Port Colborne*** ***GEN***
3 Killaly Street W
Port Colborne ON L3K 6H1

Generator No: ON2868596 ***PO Box No:***
Status: ***Country:***
Approval Years: 2011 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 913140
SIC Description:

Detail(s)

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

---

26 ***5 of 7*** ***SE/250.0*** ***174.9 / -0.54*** ***Corporation of the City of Port Colborne*** ***GEN***
3 Killaly Street W
Port Colborne ON L3K 6H1

Generator No: ON2868596 ***PO Box No:***
Status: ***Country:***
Approval Years: 2012 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services

Detail(s)

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

---

26 ***6 of 7*** ***SE/250.0*** ***174.9 / -0.54*** ***Corporation of the City of Port Colborne*** ***GEN***
3 Killaly Street W
Port Colborne ON

Generator No: ON2868596 ***PO Box No:***
Status: ***Country:***
Approval Years: 2013 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 913140
SIC Description:

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

---

26 ***7 of 7*** ***SE/250.0*** ***174.9 / -0.54*** ***Corporation of the City of Port Colborne***
3 Killaly Street W
Port Colborne ON L3K 6H1 ***GEN***

Generator No: ON2868596
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 913140
SIC Description: 913140

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Italia Reeves
Phone No Admin: 905-835-2901 Ext.319

Detail(s)

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Unplottable Summary

Total: 51 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	REGIONAL MUNICIPALITY OF NIAGARA	MAIN ST. SEWAGE PUMP STATION	PORT COLBORNE CITY ON	
CA	R.M. OF NIAGARA	ELM STREET P.S. & FORCEMAIN	PORT COLBORNE CITY ON	
CA	The Corporation of the City of Port Colborne	Elm Street	Port Colborne ON	
CA	LUCKY FISH COMPANY	KING ST., WESTSIDE WPCP	PORT COLBORNE ON	
CA	R.M. OF NIAGARA	ELM STREET SEWAGE PUMP STATION	PORT COLBORNE ON	
CA	PORT COLBORNE CITY	ELM ST. L-FILL,PRETREAT. FAC.	PORT COLBORNE CITY ON	
CA	PORT COLBORNE CITY	ELM ST. L-FILL LEACHATE INTER.	PORT COLBORNE CITY ON	
CA	SOUTH NIAGARA GATEWAY FAMILY HOMES	TOWNHOUSE REG. RD. 3 MAIN ST.	PORT COLBORNE CITY ON	
CA	PORT COLBORNE CITY	GEORGE ST./ELM ST./KING ST.	PORT COLBORNE CITY ON	
CA	R.M. OF NIAGARA	KING STREET WATER TREAT. PLANT	PORT COLBORNE CITY ON	
CA	PORT COLBORNE CITY	OAK ST./NIAGARA RD.#3/OMER AVE	PORT COLBORNE CITY ON	
CA	SOUTH NIAGARA GATEWAY FAMILY HOMES	TOWNHOUSE MAIN ST.	PORT COLBORNE CITY ON	
CA	PORT COLBORNE CITY	KING STREET	PORT COLBORNE CITY ON	
CA	AL KIRKNESS	KING STREET	PORT COLBORNE CITY ON	
CA	R.M. OF NIAGARA	KING STREET PH. I & II	PORT COLBORNE CITY ON	
CA	PORT COLBORNE CITY	ELM STREET	PORT COLBORNE CITY ON	
CA	REGIONAL MUNICIPALITY OF NIAGARA	MAIN ST. SEWAGE PUMP STATION	PORT COLBORNE CITY ON	

CA	J. KEHL JR. MR. O. SCHULZ, MR. A. BONN	ELM ST. SHAMROCK SUBD. PH. II	PORT COLBORNE CITY ON	
ECA	The Corporation of the City of Port Colborne	King Street	Port Colborne ON	L3K 3C8
GEN	HARD ROCK PAVING CO. LTD.	LAW CRUSHED STONE HWY#3 W. OF PORT COLBORNEOX220	PORT COLBORNE ON	L3K 5V8
GEN	LAW CRUSHED STONE	DIV. OF HARD ROCK PAVING CO. LTD HWY#3 W. OF PRT CLBORNE/C/O P.O.BOX220	PORT COLBORNE ON	L3K 5V8
GEN	LAW CRUSHED STONE 19-170	DIV. OF HARD ROCK PAVING CO. LTD. HWY#3 W. OF PRT CLBORNE/C/O P.O.BOX220	PORT COLBORNE ON	L3K 5V8
GEN	HARD ROCK PAVING COMPANY LTD.	LAW CRUSHED STONE HWY#3 WEST OF PORT COLBORNE	PORT COLBORNE ON	L3K 5V8
GEN	ESSO PETROLEUM CANADA	BELL MARINE, KING ST., PORT COLBOURNE C/O 1 DUNCAN MILL ROAD	DON MILLS ON	M3B 1Z2
GEN	ESSO PETROLEUM CANADA	BELL MARINE, KING STREET	PORT COLBOURNE ON	
GEN	ESSO PETROLEUM CANADA 14-632	BELL MARINE, KING ST., PORT COLBOURNE C/O 1 DUNCAN MILL ROAD	DON MILLS ON	M3B 1Z2
GEN	WELLAND CANAL & NIAGARA RIVER-SHIP	***WASTE FROM SHIPS WELLAND CANAL & NIAGARA RIVER-SHIP	******WASTE FROM SHIPS ON	L0S 1J0
GEN	Imperial Oil	King Street	Port Colborne ON	
GEN	WELLAND CANAL & NIAGARA RIVER-SHIP	***WASTE FROM SHIPS WELLAND CANAL & NIAGARA RIVER-SHIP	******WASTE FROM SHIPS ON	L0S 1J0
GEN	WELLAND CANAL & NIAGARA RIVER-SHIP	***WASTE FROM SHIPS WELLAND CANAL & NIAGARA RIVER-SHIP	******WASTE FROM SHIPS ON	L0S 1J0
NPCB	ADM MILING CO.	POBOX310 WEST PIER/SOUTH KING ST.	PORT COLBORNE ON	L3K 5W1
NPRI	ZELLERS	45 WESTSIDE Drive	PORT COLBOURNE ON	L3K5K7
OPCB	ADM Milling Co.	WEST PIER/SOUTH KING ST. P O BOX 310	PORT COLBORNE ON	L3K 5W1
PES	THE MILL GREENHOUSES AND GARDEN CENTRE LTD.	RR #1 HWY #3	PORT COLBORNE ON	L3K 5V3
PES	THE MILL GREENHOUSES AND GARDEN CENTRE LTD.	R. R. #1, HWY. #3	PORT COLBORNE ON	L3K 5V3
PRT	MARLON MARINA	ELM ST S	PORT COLBORNE ON	
REC	PORT COLBORNE LANDFILL SITE	ELM ST.	PORT COLBORNE ON	
SCT	Law Crushed Stone - Div. of Hard Rock Paving Co. Ltd.	Hwy 3	Port Colborne ON	L3K 5V8
SCT	COLONIAL LIGHTING CO. LTD.	HWY 3	PORT COLBORNE ON	L3K 5V8

SCT	KWIK MIX MATERIALS LIMITED	HWY 3	PORT COLBORNE ON	L3K
SPL	PUC	ON KING ST., EAST OF OLD PLANT.	PORT COLBORNE CITY ON	
SPL	NIAGARA, REGIONAL MUNICIPALITY	ELM STREET PUMPING STATION SANITARY SEWER SYSTEM/PUMPING STATION	PORT COLBORNE CITY ON	
SPL	Canadian Niagara Power Inc.	Canadian Niagara Power facility on Elm Street NON PCB MINERAL OIL SPILL<UNOFFICIAL>	Port Colborne ON	
SPL	SERVICE STATION	MAIN ST. WEST WEST OF JACK KNIFE BRIDGE (N.O.S.)	PORT COLBORNE CITY ON	
SPL		Killaly St W, King St and Mellanby Ave	Port Colborne ON	
SPL	NIAGARA RE-CYCLING	ERIE ST. FIELDON AV. MOTOR VEHICLE (OPERATING FLUID)	PORT COLBORNE CITY ON	
SPL	NIAGARA, REGIONAL MUNICIPALITY	OMER STREET PUMPING STATION,PORT COLBORNE. SANITARY SEWER SYSTEM/PUMPING STATION	PORT COLBORNE CITY ON	
SPL	PORT COLBORNE HYDRO	ELM STREET	PORT COLBORNE ON	
WDS		CANAL BANK ROAD	NIAGARA ON	
WDS		CANAL BANK ROAD	NIAGARA ON	
WWIS		2ND CONCESSION con 2	Port Colborne ON	

Unplottable Report

Site: ***REGIONAL MUNICIPALITY OF NIAGARA***
MAIN ST. SEWAGE PUMP STATION PORT COLBORNE CITY ON

Database: ***CA***

Certificate #:	8-2387-95-006
Application Year:	95
Issue Date:	12/22/95
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	STANDBY GEN-SET FOR SEW. PUMP STATION
Contaminants:	Nitrogen Oxides
Emission Control:	

Site: ***R.M. OF NIAGARA***
ELM STREET P.S. & FORCEMAIN PORT COLBORNE CITY ON

Database: ***CA***

Certificate #:	3-1298-95-006
Application Year:	95
Issue Date:	10/30/95
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***The Corporation of the City of Port Colborne***
Elm Street Port Colborne ON

Database: ***CA***

Certificate #:	0316-5RVNJP
Application Year:	2003
Issue Date:	9/30/2003
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***LUCKY FISH COMPANY***
KING ST., WESTSIDE WPCP PORT COLBORNE ON

Database: ***CA***

Certificate #:	4-0043-98-
Application Year:	98

Issue Date: 10/27/1998
Approval Type: Industrial wastewater
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: AQUACULTURE FACILITY AT FORMER WPCP
Contaminants:
Emission Control:

Site: ***R.M. OF NIAGARA***
ELM STREET SEWAGE PUMP STATION PORT COLBORNE ON

Database: ***CA***

Certificate #: 8-2136-98-
Application Year: 98
Issue Date: 12/9/1998
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INDACHEM COUNTERACTANT SPRAY SYSTEM
Contaminants: Acetic Acid, Other Organic Compounds
Emission Control: Other Wet Collector,

Site: ***PORT COLBORNE CITY***
ELM ST. L-FILL,PRETREAT. FAC. PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-1166-94-
Application Year: 94
Issue Date: 9/28/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PORT COLBORNE CITY***
ELM ST. L-FILL LEACHATE INTER. PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-0977-94-
Application Year: 94
Issue Date: 8/25/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SOUTH NIAGARA GATEWAY FAMILY HOMES***
TOWNHOUSE REG. RD. 3 MAIN ST. PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-2179-88-
Application Year: 88
Issue Date: 11/18/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PORT COLBORNE CITY***
GEORGE ST./ELM ST./KING ST. PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 7-0950-93-
Application Year: 93
Issue Date: 10/29/1993
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF NIAGARA***
KING STREET WATER TREAT. PLANT PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 7-0092-93-
Application Year: 93
Issue Date: 5/18/1993
Approval Type: Municipal water
Status: Revised
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PORT COLBORNE CITY***
OAK ST./NIAGARA RD.#3/OMER AVE PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 7-0430-91-
Application Year: 91
Issue Date: 5/2/1991
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ***SOUTH NIAGARA GATEWAY FAMILY HOMES***
TOWNHOUSE MAIN ST. PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 7-1845-88-
Application Year: 88
Issue Date: 11/18/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PORT COLBORNE CITY***
KING STREET PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 7-0872-88-
Application Year: 88
Issue Date: 6/30/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***AL KIRKNESS***
KING STREET PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-1825-89-
Application Year: 89
Issue Date: 9/19/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF NIAGARA***
KING STREET PH. I & II PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-1208-89-
Application Year: 89
Issue Date: 6/28/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:

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

Site: ***PORT COLBORNE CITY***
ELM STREET PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-2274-88-
Application Year: 88
Issue Date: 11/30/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***REGIONAL MUNICIPALITY OF NIAGARA***
MAIN ST. SEWAGE PUMP STATION PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 8-2387-95-000
Application Year: 95
Issue Date: 10/31/95
Approval Type: Industrial air
Status: Application Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: STANDBY GENERATOR FOR SEW. PUMP STATION
Contaminants:
Emission Control:

Site: ***J. KEHL JR. MR. O. SCHULZ, MR. A. BONN***
ELM ST. SHAMROCK SUBD. PH. II PORT COLBORNE CITY ON

Database: ***CA***

Certificate #: 3-1223-88-
Application Year: 88
Issue Date: 7/18/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Port Colborne***
King Street Port Colborne ON L3K 3C8

Database: ***ECA***

Approval No: 1325-6FULCJ ***MOE District:***

Approval Date: 2005-09-06
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: King Street
Full Address:
Full PDF Link:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***HARD ROCK PAVING CO. LTD.***
LAW CRUSHED STONE HWY#3 W. OF PORT COLBORNEOX220 PORT COLBORNE ON L3K 5V8

Database: ***GEN***

Generator No: ON0094303
Status:
Approval Years: 92,93,97
Contam. Facility:
MHSW Facility:
SIC Code: 4216
SIC Description: ASPHALT PAVING
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Site: ***LAW CRUSHED STONE***
DIV. OF HARD ROCK PAVING CO. LTD HWY#3 W. OF PRT CLBORNE/C/O P.O.BOX220 PORT COLBORNE ON L3K 5V8

Database: ***GEN***

Generator No: ON0094303
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 4216
SIC Description: ASPHALT PAVING
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Site: ***LAW CRUSHED STONE 19-170***
DIV. OF HARD ROCK PAVING CO. LTD. HWY#3 W. OF PRT CLBORNE/C/O P.O.BOX220 PORT COLBORNE ON L3K 5V8

Database: ***GEN***

Generator No: ON0094303
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 4216
SIC Description: ASPHALT PAVING
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Site: ***HARD ROCK PAVING COMPANY LTD.***
LAW CRUSHED STONE HWY#3 WEST OF PORT COLBORNE PORT COLBORNE ON L3K 5V8

Database: ***GEN***

Generator No: ON0094303
Status:
Approval Years: 98,99,00,01,02,03,04,05,06
Contam. Facility:
MHSW Facility:
SIC Code: 4216
SIC Description: ASPHALT PAVING

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 243
Waste Class Desc: PCB'S

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Site: ***ESSO PETROLEUM CANADA***
BELL MARINE, KING ST., PORT COLBOURNE C/O 1 DUNCAN MILL ROAD DON MILLS ON M3B 1Z2

Database: ***GEN***

Generator No: ON0552385
Status:
Approval Years: 88,89
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

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

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

Site: ***ESSO PETROLEUM CANADA***
BELL MARINE, KING STREET PORT COLBOURNE ON

Database: ***GEN***

Generator No: ON0552385
Status:
Approval Years: 92,93,97
Contam. Facility:
MHSW Facility:
SIC Code: 5111
SIC Description: PETROLEUM PROD., WH.

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

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

Site: ***ESSO PETROLEUM CANADA 14-632***
BELL MARINE, KING ST., PORT COLBOURNE C/O 1 DUNCAN MILL ROAD DON MILLS ON M3B 1Z2

Database: ***GEN***

Generator No: ON0552385
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 5111
SIC Description: PETROLEUM PROD., WH.

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

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

Site: ***WELLAND CANAL & NIAGARA RIVER-SHIP***
******WASTE FROM SHIPS WELLAND CANAL & NIAGARA RIVER-SHIP ******WASTE FROM SHIPS ON L0S 1J0***

Database: ***GEN***

Generator No: ONW0004
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: Yes
SIC Code: 111111
SIC Description: 111111

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Rob Hupe
Phone No Admin: 905-468-2925 Ext.

Detail(s)

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Site: ***Imperial Oil***
King Street Port Colborne ON

Database: ***GEN***

Generator No: ON3764489
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 412110
SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS

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

Detail(s)

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

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: ***WELLAND CANAL & NIAGARA RIVER-SHIP*** ***Database:*** ***GEN***
******WASTE FROM SHIPS WELLAND CANAL & NIAGARA RIVER-SHIP ******WASTE FROM SHIPS ON L0S 1J0***

Generator No:	ONW0004	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2014	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	Rob Hupe
MHSW Facility:	Yes	***Phone No Admin:***	905-468-2925 Ext.
SIC Code:	111111		
SIC Description:	111111		

Detail(s)

Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS

Site: ***WELLAND CANAL & NIAGARA RIVER-SHIP*** ***Database:*** ***GEN***
******WASTE FROM SHIPS WELLAND CANAL & NIAGARA RIVER-SHIP ******WASTE FROM SHIPS ON L0S 1J0***

Generator No:	ONW0004	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2016	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	Rob Hupe
MHSW Facility:	Yes	***Phone No Admin:***	905-468-2925 Ext.
SIC Code:	111111		
SIC Description:	111111		

Detail(s)

Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS

Site: ***ADM MILING CO.*** ***Database:*** ***NPCB***
POBOX310 WEST PIER/SOUTH KING ST. PORT COLBORNE ON L3K 5W1

Company Code:	F0519
Industry:	UNDEFINED
Site Status:	
Transaction Date:	
Inspection Date:	

--Details--

Label:	F051900
Serial No.:	
PCB Type/Code:	ASKAREL/ASKAREL
Location:	
Item/State:	CAPACITOR/FULL
No. of Items:	1
Manufacturer:	
Status:	STORED FOR DISPOSAL
Contents:	340.83 KG

Site: ***ZELLERS*** ***Database:*** ***NPRI***
45 WESTSIDE Drive PORT COLBOURNE ON L3K5K7

NPRI ID:	8800001025	***Org ID:***	
Other ID:		***Submit Date:***	
No Other ID:		***Last Modified:***	
Track ID:		***Contact ID:***	
Report ID:		***Cont Type:***	MED
Report Type:		***Contact Title:***	Mr.
Rpt Type ID:		***Cont First Name:***	FREDERICK
Report Year:	2004	***Cont Last Name:***	WARE
Not-Current Rpt?:		***Contact Position:***	SENIOR MANAGER ENERGY

Yr of Last Filed Rpt:		***Contact Fax:***	
Fac ID:		***Contact Ph.:***	
Fac Name:	ZELLERS STORE #333, WESTSIDE PLACE	***Cont Area Code:***	416
Fac Address1:		***Contact Tel.:***	8614938
Fac Address2:		***Contact Ext.:***	
Fac Postal Zip:		***Cont Fax Area Cde:***	416
Facility Lat:		***Contact Fax:***	8616619
Facility Long:		***Contact Email:***	Fred.ware@hbc.com
DLS (Last Filed Rpt):		***Latitude:***	
Facility DLS:		***Longitude:***	
Datum:		***UTM Zone:***	
Facility Cmnts:		***UTM Northing:***	
URL:		***UTM Easting:***	
No of Empl.:	20	***Waste Streams:***	
Parent Co.:		***No Streams:***	
No Parent Co.:		***Waste Off Sites:***	
Pollut Prev Cmnts:		***No Off Sites:***	
Stacks:		***Shutdown:***	
No of Stacks:		***No of Shutdown:***	

Canadian SIC Code (2 digit):
Canadian SIC Code:
SIC Code Description:
American SIC Code:
NAICS Code (2 digit): 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)

Substance Release Report

CAS No: 124-38-9
Report ID:
Rpt Period: 2004
Subst Released: Carbon dioxide
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 - 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

CAS No: 11104-93-1
Report ID:
Rpt Period: 2004
Subst Released: Nitrogen oxides (expressed as NO2)
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 - M08
Report ID:
Rpt Period: 2004
Subst Released: PM - Total Particulate Matter
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: 74-82-8
Report ID:
Rpt Period: 2004
Subst Released: Methane
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:

Land:
Total Releases:
Units: tonnes

Site: ***ADM Milling Co.***
WEST PIER/SOUTH KING ST. P O BOX 310 PORT COLBORNE ON L3K 5W1

Database: ***OPCB***

Year: 2004
Site Number: 20385A092
Name Owner:
Additional Site Information:

--Details--
Quantity: 80
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)

Quantity: 340.83
Address Site:
Description: Weight of Capacitors with High Level PCBs (>1000 ppm) kg

---

Site: ***THE MILL GREENHOUSES AND GARDEN CENTRE LTD.***
RR #1 HWY #3 PORT COLBORNE ON L3K 5V3

Database: ***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:

Site: ***THE MILL GREENHOUSES AND GARDEN CENTRE LTD.***
R. R. #1, HWY. #3 PORT COLBORNE ON L3K 5V3

Database: ***PES***

Detail Licence No: 23-01-10569-0
Licence No: 10569
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class: 01
Licence Control: 0
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: 2
Operator District: 1
Operator County: 38
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: ***MARLON MARINA***
ELM ST S PORT COLBORNE ON

Database: ***PRT***

Location ID: 11927
Type: retail
Expiry Date: 1995-07-31
Capacity (L): 0
Licence #: 0021148001

Site: ***PORT COLBORNE LANDFILL SITE***
ELM ST. PORT COLBORNE ON

Database: ***REC***

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #: RR1560
Facility Type:
Approval Yrs: 06,07,08

Site: ***Law Crushed Stone - Div. of Hard Rock Paving Co. Ltd.***
Hwy 3 Port Colborne ON L3K 5V8

Database: ***SCT***

Established: 1925
Plant Size (ft²):
Employment: 35

--Details--
Description: Asphalt Paving Mixture and Block Manufacturing
SIC/NAICS Code: 324121

Description: All Other Non-Metallic Mineral Product Manufacturing
SIC/NAICS Code: 327990

Site: ***COLONIAL LIGHTING CO. LTD.***
HWY 3 PORT COLBORNE ON L3K 5V8

Database: ***SCT***

Established: 1947
Plant Size (ft²): 5000
Employment: 2

--Details--
Description: COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL ELECTRICAL LIGHTING FIXTURES
SIC/NAICS Code: 3646

Description: LIGHTING EQUIPMENT, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 3648

Site: ***KWIK MIX MATERIALS LIMITED***
HWY 3 PORT COLBORNE ON L3K

Database: ***SCT***

Established: 1968
Plant Size (ft²): 22000
Employment: 12

--Details--

Description:	ASPHALT FELTS AND COATINGS
SIC/NAICS Code:	2952
Description:	CEMENT, HYDRAULIC
SIC/NAICS Code:	3241
Description:	CONCRETE PRODUCTS, EXCEPT BRICK AND BLOCK
SIC/NAICS Code:	3272

Site: ***PUC***
ON KING ST., EAST OF OLD PLANT. PORT COLBORNE CITY ON

Database: ***SPL***

Ref No:	181476	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/31/2000	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE 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:***	18102
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:	5/31/2000	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: PORT COLBOURNE WPCP(PUC):MANHOLE FILLING UP WITH SEWAGE. CAUSE UNKNOWN.
Contaminant Qty:

Site: ***NIAGARA, REGIONAL MUNICIPALITY***
ELM STREET PUMPING STATION SANITARY SEWER SYSTEM/PUMPING STATION PORT COLBORNE CITY ON

Database: ***SPL***

Ref No:	128085	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/19/1996	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE 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:***	18102
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:	6/19/1996	***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: NIAGARA R.M.-RAW SEWAGE TO EXCAVATION,MAIN BREAK,TRUCKED TO W.W.T.P.
Contaminant Qty:

Site: ***Canadian Niagara Power Inc.***
Canadian Niagara Power facility on Elm Street NON PCB MINERAL OIL SPILL<UNOFFICIAL> Port Colborne ON

Database: ***SPL***

Ref No:	7762-6P2GJK	***Discharger Report:***	
Site No:		***Material Group:***	Oils
Incident Dt:	4/20/2006	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Transformer
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	MINERAL OIL	***Site Address:***	CANADIAN NIAGARA POWER FACILITY ON ELM STREET
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:***	Port Colborne
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:	4/19/2006	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Equipment/Vehicles	***Source Type:***	
Site Name:	CANADIAN NIAGARA POWER FACILITY ON ELM STREET		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CNP: 5 gal non PCB oil mineral oil to grnd.		
Contaminant Qty:	22 L		

Site: ***SERVICE STATION***
MAIN ST. WEST WEST OF JACK KNIFE BRIDGE (N.O.S.) PORT COLBORNE CITY ON

Database: ***SPL***

Ref No:	103502	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/2/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	CONTAINER OVERFLOW	***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:***	18102
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	WORKS, FIRE DEPT,
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/2/1994	***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:	PT. COLBORNE GAS BAR: 70LGASOLINE OVERFILL OF CAR TO LOT & STORM SEWER		
Contaminant Qty:			

Site:
Killaly St W, King St and Mellanby Ave Port Colborne ON

Database: ***SPL***

Ref No:	4130-A2FKX9	***Discharger Report:***	
Site No:	NA	***Material Group:***	

Incident Dt:	9/17/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Industrial
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Killaly St W, King St and Mellanby Ave
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Port Colborne
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/17/2015	***Site Map Datum:***	
Dt Document Closed:	9/23/2015	***SAC Action Class:***	Land Spills
Incident Reason:	Over Pressurized/Pressure Loss	***Source Type:***	
Site Name:	hydraulic oil spill <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Niagara Region - hydraulic oil spill to road		
Contaminant Qty:	0 other - see incident description		

Site: ***NIAGARA RE-CYCLING***
ERIE ST. FIELDON AV. MOTOR VEHICLE (OPERATING FLUID) PORT COLBORNE CITY ON

Database: ***SPL***

Ref No:	85420	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/11/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE 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:***	18102
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	WORKS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/11/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OVERSTRESS/OVERPRESSURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	NIAGARA RECYCLING - HYDRAULIC OIL TO SEVERAL STREETS FROM TRUCK.		
Contaminant Qty:			

Site: ***NIAGARA, REGIONAL MUNICIPALITY***
OMER STREET PUMPING STATION,PORT COLBORNE. SANITARY SEWER SYSTEM/PUMPING STATION PORT COLBORNE CITY ON

Database: ***SPL***

Ref No:	227140	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/3/2002	***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:***	18102
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:	6/3/2002	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	NIAGARA RM-2.25 M3 RAW SEWAGE TO DITCH,CONTAINED,CLEANUP UNDERWAY.		
Contaminant Qty:			

Site: ***PORT COLBORNE HYDRO***
ELM STREET PORT COLBORNE ON

Database: ***SPL***

Ref No:	184682	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/9/2000	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM 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:***	18102
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:	8/9/2000	***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:	PORT COLBORNE HYDRO-140 LTRANSFORMER OIL TO GROUND,SOAKED INTO SOIL.		
Contaminant Qty:			

Site:
CANAL BANK ROAD NIAGARA ON

Database: ***WDS***

Approval No:	A120406	***Total Area (ha):***	0.2
Mob Unit Cert No:		***Landfill Cap (m³):***	0
EBR Registry No:		***Transfer Area (ha):***	0
Status:	Approved	***Transfer Cap (m³):***	0
Facility Type:	Landfill	***Transfer Cert No:***	
Record Type:		***Inciner. Area (ha):***	0
Link Source:		***Inciner. Cap (t):***	0
Project Type:		***Process Area (m³):***	0
Application Status:		***Process Cap (m³/d):***	0
Issue Date:	11/23/1977	***Process Vol (m³):***	0
Input Date:	10/19/93	***Process Feed (m³):***	0
Date Received:	10/24/77	***Site Concession:***	
Est Closure Date:		***Site Region/County:***	WELLAND
Mobile Capacity:	0	***SWP Area Name:***	
Mobile Units:		***MOE District:***	
Mobile Description:		***District Office:***	Welland
Prop City:	THOROLD, ONTARIO	***Latitude:***	
Prop Postal:		***Longitude:***	
Prop Phone:		***Geometry X:***	

Serial Link:	120406	***Geometry Y:***	
Approval Type:			
Proponent:	WOODINGTON SYSTEMS INC.		
Prop Address:	BOX 100		
Proponent County/District:			
Full Address:			
Site Lot:	(UNION CARBIDE LTD.)		
Waste Class Code:			
Waste Class:			
Waste Type:	commercial, non-hazardous solid-industrial		
Waste Type Other:	No		
Waste Description:	40% COMMERCIAL, 60% INDUSTRIAL WASTE. DATA TAKEN FROM APPLICATION DATED: 10/17/1977.		
Landfill Monitoring:			
Landfill Ctrl Type:			
Site Closing Description:			
Project Description:			
Municipalities Served:	POPULATION NOT APPLICABLE.		
Approval Description:	THERE ARE SOME STORE TANKS.		
Other Approvals/Permits:			
PDF URL:			

Site:

CANAL BANK ROAD NIAGARA ON

Database: ***WDS***

Approval No:	A120406	***Total Area (ha):***	0.2
Mob Unit Cert No:		***Landfill Cap (m³):***	0
EBR Registry No:		***Transfer Area (ha):***	0
Status:	Approved	***Transfer Cap (m³):***	0
Facility Type:	Landfill	***Transfer Cert No:***	
Record Type:		***Inciner. Area (ha):***	0
Link Source:		***Inciner. Cap (t):***	0
Project Type:		***Process Area (m³):***	0
Application Status:		***Process Cap (m³/d):***	0
Issue Date:	02/05/1982	***Process Vol (m³):***	0
Input Date:	10/19/93	***Process Feed (m³):***	0
Date Received:	10/24/77	***Site Concession:***	
Est Closure Date:		***Site Region/County:***	WELLAND
Mobile Capacity:	0	***SWP Area Name:***	
Mobile Units:		***MOE District:***	
Mobile Description:		***District Office:***	Welland
Prop City:	THOROLD, ONTARIO	***Latitude:***	
Prop Postal:		***Longitude:***	
Prop Phone:		***Geometry X:***	
Serial Link:	120406	***Geometry Y:***	
Approval Type:			
Proponent:	WOODINGTON SYSTEMS INC.		
Prop Address:	BOX 100		
Proponent County/District:			
Full Address:			
Site Lot:	(UNION CARBIDE LTD.)		
Waste Class Code:	201,202		
Waste Class:	201,202		
Waste Type:	commercial, non-hazardous solid-industrial		
Waste Type Other:	No		
Waste Description:	40% COMMERCIAL, 60% INDUSTRIAL WASTE. DATA TAKEN FROM APPLICATION DATED: 10/17/1977.		
Landfill Monitoring:			
Landfill Ctrl Type:			
Site Closing Description:			
Project Description:			
Municipalities Served:	POPULATION NOT APPLICABLE.		
Approval Description:	THERE ARE SOME STORE TANKS.		
Other Approvals/Permits:			
PDF URL:			

Site:

2ND CONCESSION con 2 Port Colborne ON

Database: ***WWIS***

Well ID:	7150826	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	9/3/2010
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4795
Casing Material:		***Form Version:***	7
Audit No:	Z105954	***Owner:***	
Tag:	A079409	***Street Name:***	2ND CONCESSION
Construction Method:		***County:***	66
Elevation (m):		***Municipality:***	PORT COLBORNE CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	02
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:	1003331364	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/13/2010	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003358940
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003358941
Layer:	2
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	

Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 1.5
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003358942
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 13
Formation End Depth: 55
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003358944
Layer: 1
Plug From: 0
Plug To: 20.5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003358954
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 1003358938
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003358947
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 20.5
Depth To: 55
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003358946
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From: 0
Depth To: 20.5
Casing Diameter: 5.5625
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003358948
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003358939
Pump Set At: 40
Static Level: 32
Final Level After Pumping: 32
Recommended Pump Depth: 45
Pumping Rate: 21
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 2
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1003358950
Test Type: Draw Down
Test Duration: 30
Test Level: 32
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003358951
Test Type: Draw Down
Test Duration: 50
Test Level: 32
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003358949
Test Type: Draw Down
Test Duration: 15
Test Level: 32
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003358952
Test Type: Draw Down

Test Duration: 60
Test Level: 32
Test Level UOM: ft

Water Details

Water ID: 1003358945
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 53
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003358943
Diameter: 8
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

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 2018

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

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 -Dec 2020

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-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Jul 31, 2020

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-Dec 31, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jan 31, 2020

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- Dec 31, 2020

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-Oct 31, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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-Jul 31, 2020

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 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Sep 30, 2020

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-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jan 31, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Jan 31, 2020

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-Jan 2021

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 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 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

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-Dec 31, 2020

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: Apr 30, 2020

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:

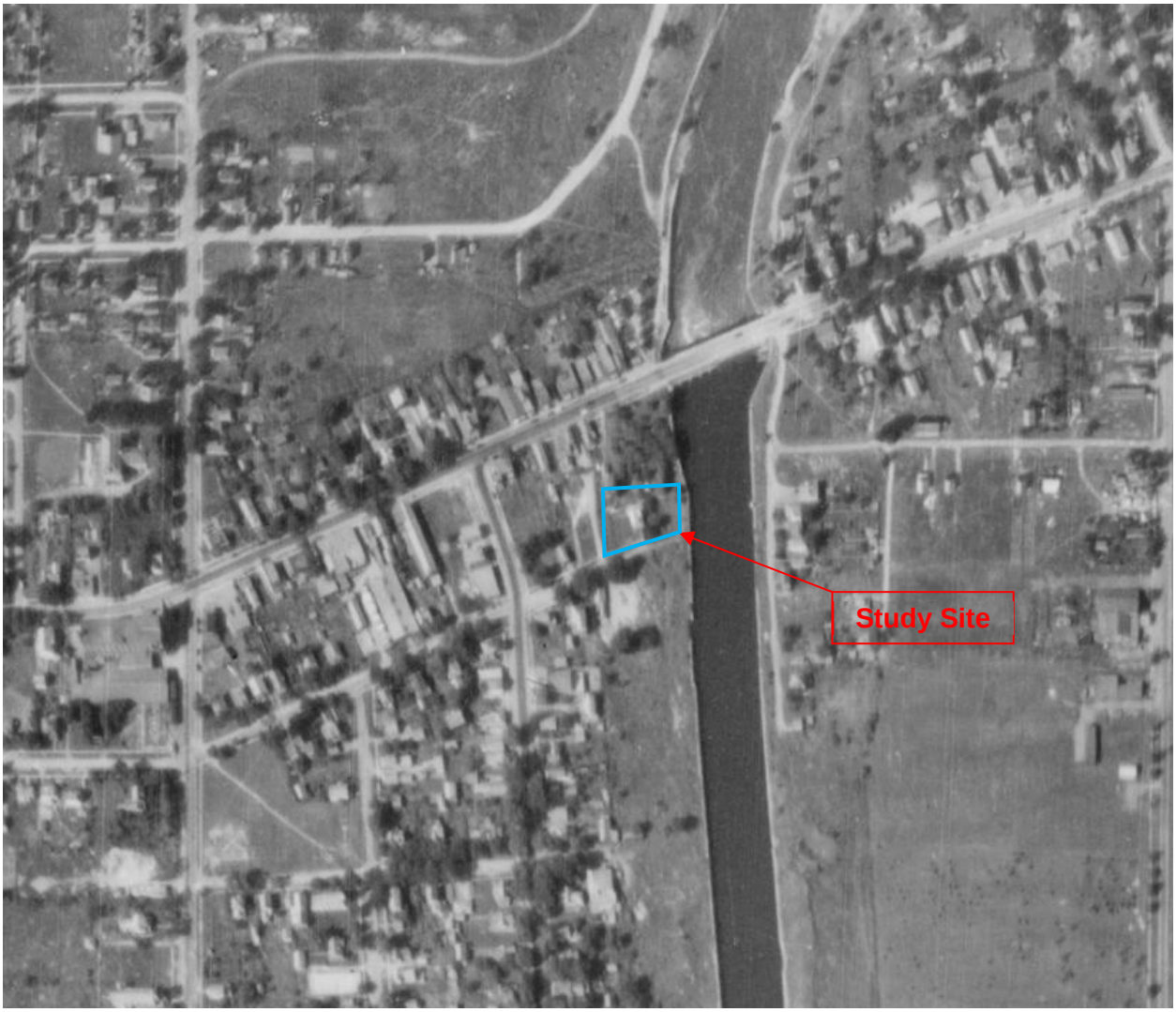
Aerial Photographs

Aerial Photographs

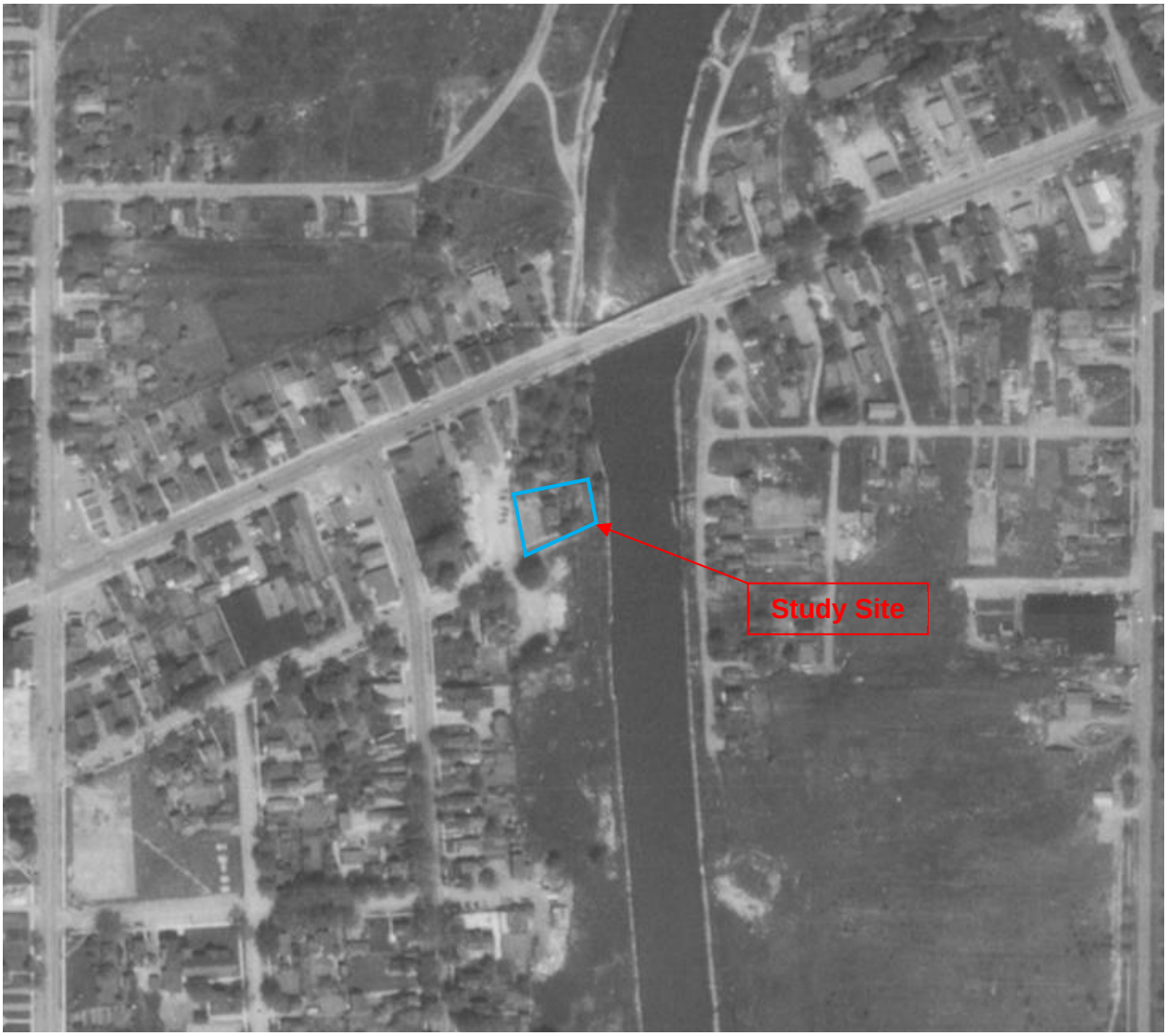
1921

1934

1948



1954/55



1965

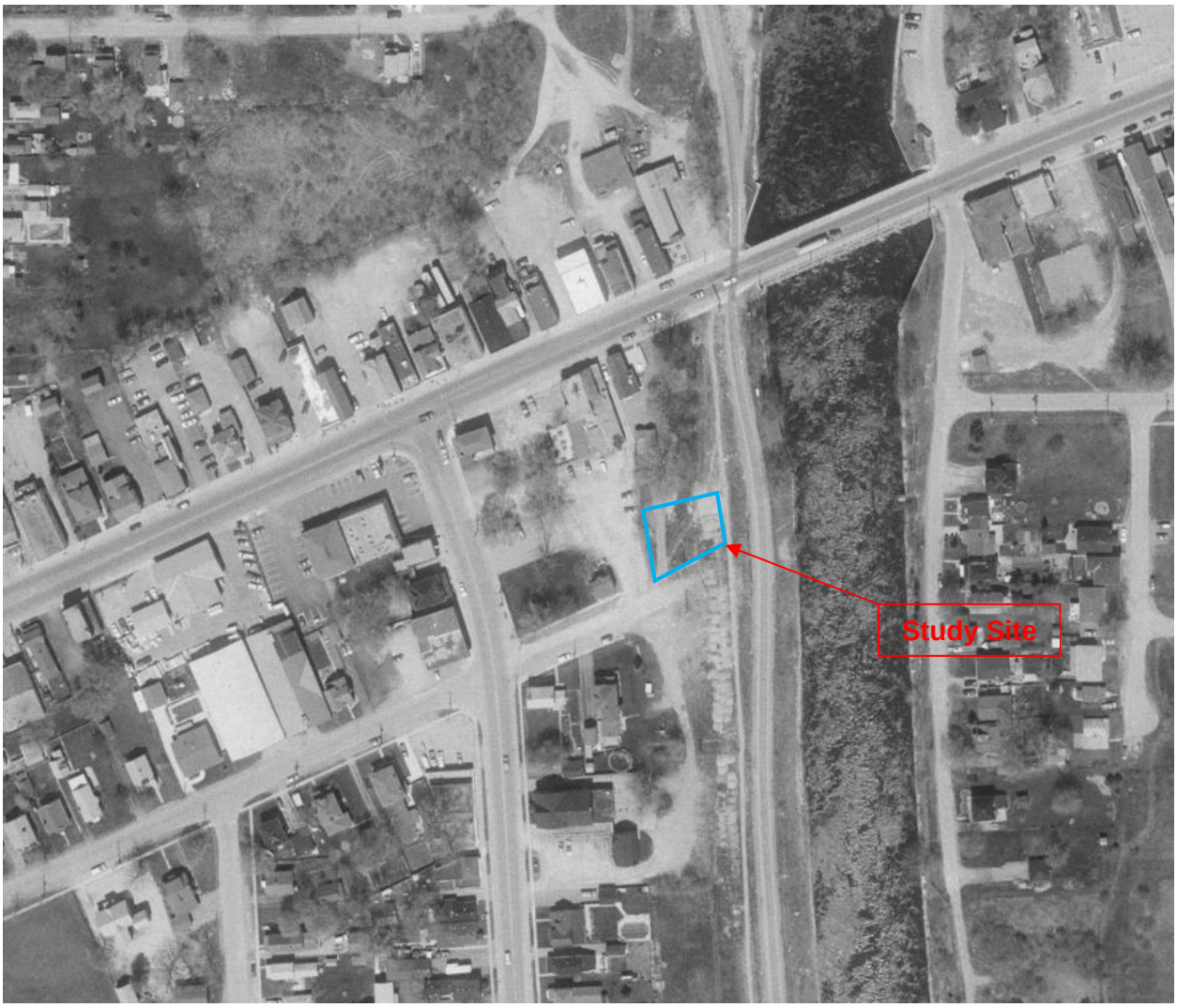
1975

1983

1989

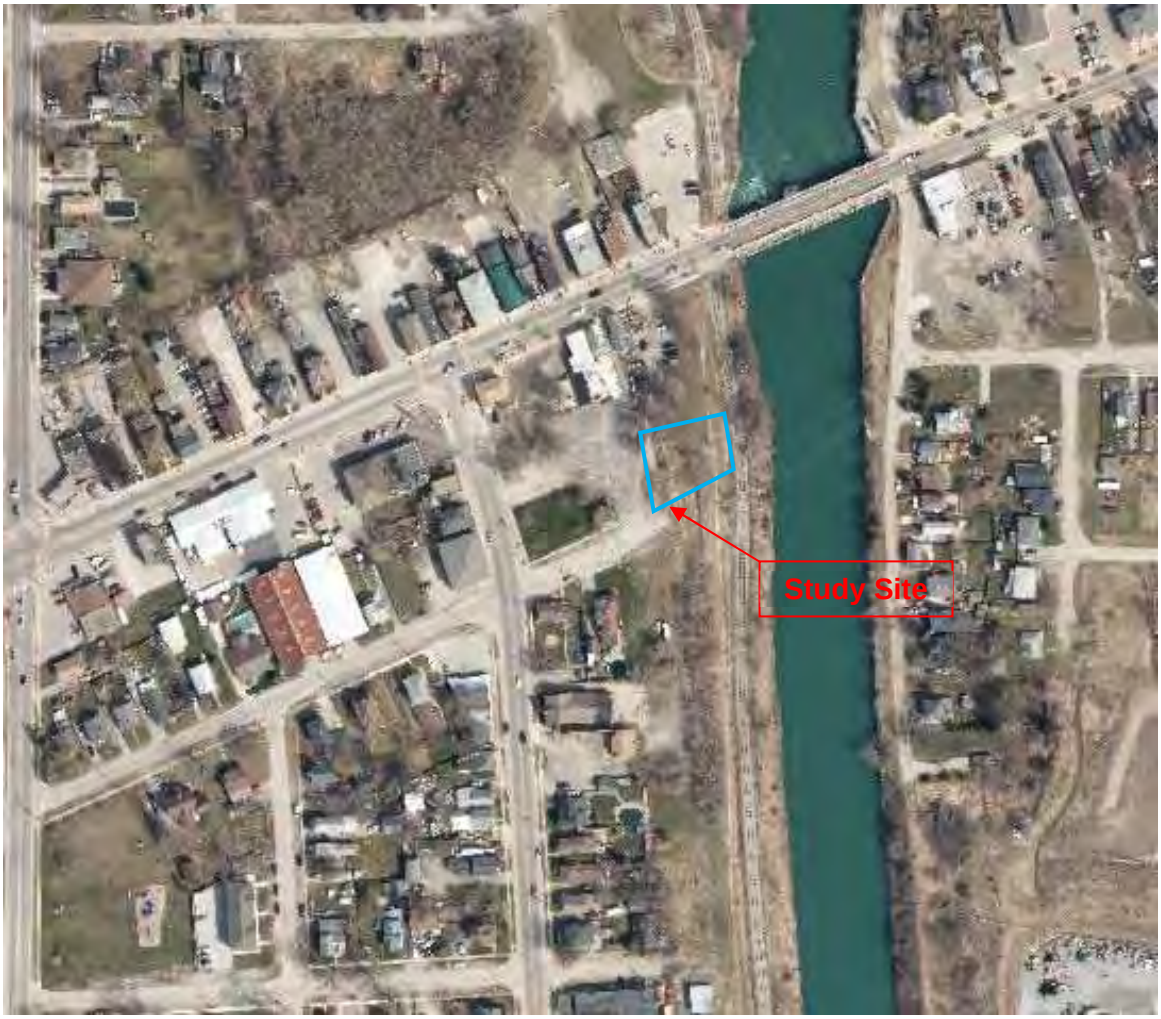
1994

2000



2006

2018



Appendix F:

Record of Interview

RECORD OF INTERVIEW

Site Address	1 Neff St. Port Colborne
Interviewee Name & Position	Marc Vaillancourt, President, Grandstone Living Inc.
Interviewee Contact Information	Marc@touchstonesite.ca CELL: (289) 241-5729
SITE INFORMATION	
Describe land use history. Was the property ever used for industrial use, as a dry cleaner, a garage, or bulk liquid dispensing facility (including gasoline)	This property was once part of a farmhouse property
Are you aware of any environmental issues associated with the study site such as waste disposal, landfilling, chemical use and/or storage (AST or UST)	X
Are you aware of any site-specific permits, waste generation number, certificate of approval, ECA, water well records or sewer discharge permits	X
Are you aware of any current or historical environmental concerns associated with adjacent properties	X
Did you ever apply salt in the parking area?	no
Are there any reports done on the property?	no
Is there anyone else Hallex could contact for additional information?	no
BUILDING INFORMATION & FEATURES	
Are you aware of any environmental building management issues such as ACM, PCBs, etc.	no
Has a DSS/HMS/ACM report previously been done?	no
Building footprint size	no current Buildings, once a house
Year of construction	Not Sure
Year(s) of addition/renovation/demolition	Not Sure
Number of storeys	Not Sure
Number of exits/entrances	Not Sure
Number of current occupants/ tenants	None
If vacant when was the last time the building was occupied and by whom	Not sure when it was demolished and it apprears to have been a house
Type of manufacturing/warehousing/processing in building (current and past)	None
What are the waste management practices	Not Sure
Chemical Storage	No
Full/partial/no basement	Not Sure

Heating type (Historic/current)	Not Sure
Wall material / paint type	Not Sure
Floor material	Not Sure
Ceiling material	Not Sure
Lighting type	Not Sure
Water damage	N/A
Exterior wall material	N/A
Roof material	N/A
Foundation type	N/A
Other	

EXTERIOR SITE FEATURES	
Source of clean water (Municipal)	None
Source of waste water (Municipal)	None
Surface water runoff (swale, catch basin)	Water Runs over the surface
Man-made forms of standing water (ditches, pits, etc.)	None
Natural Watercourses	None
Wells on site	None
Transformers on site	None
Electrical generator on site	None
Chemical storage on site	None
stressed vegetation	None
Stained material	None
Fill material	None
Debris	None
Equipment	None
Ground cover (Snow, grass, asphalt)	Dirt and Snow
Study site Slope	No Sloping
Miscellaneous	

Historic /Current AST/UST		
Location of AST	None	
Contents of AST	Fresh Water	
Material (fiberglass, steel)	Concrete Cictern	
Year installed/removed	Removed in 2021	
Secondary containment	None	
How often filled	None	
Staining around base	None	
Distressed vegetation?	No	

Appendix G:

Site Photo Log

Photo #	Study Site – Exterior	Description
1		The study site, photo facing west.
2		The study site, photo facing east.

Photo #	Study Site – Exterior	Description
3		The study site photo facing north.

Photo #	Study Site – Surrounding Properties	Description
4		North adjacent commercial property, photo facing northwest.

Photo #	Study Site – Surrounding Properties	Description
5		West adjacent vacant lot, photo facing west.
6		South residential property, photo facing southwest.

Photo #	Study Site – Surrounding Properties	Description
7		East adjacent unpaved path, with the railway and Welland Canal further east, photo facing south.

PHASE TWO
ENVIRONMENTAL SITE ASSESSMENT

of

1 Neff Street, Port Colborne, ON

For:
Grandstone Living Inc.

May 20, 2021
Project: E-21-11-2

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

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

of:

1 Neff Street, Port Colborne, ON

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

Grandstone Living Inc.

Author(s): Damen Nyland, B.Sc. (Hons), GIT., Project Scientist
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Date: May 20, 2021

Project #: E-21-11-2

Dist'n: Grandstone Living Inc. (pdf)
Hallex Environmental Ltd. (file)

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

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0387
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EXECUTIVE SUMMARY

INTRODUCTION

Hallex Environmental Ltd. was retained by Grandstone Living Inc. to conduct a Phase Two Environmental Site Assessment (ESA) at 1 Neff Street, Port Colborne, ON following the Phase One ESA completed by Hallex on March 10th, 2021 that identified the following Potentially Contaminating Activities (PCA)/Areas of Potential Environmental Concern (APEC):

- ***PCA-1/APEC-1: #30 Importation of Fill Material of Unknown Quality.*** As identified through Fire Insurance Plan (FIP) research, previous on-site building structures have been demolished. Fill material of unknown origin may have been utilized to backfill the former structures. Fill material is a PCA resulting in an APEC to the study site's soil with contaminants of potential concern including Metals, Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs) and pH/ Specific Absorption Rate (SAR)/ Electrical Conductivity (EC).
- ***PCA-2/APEC-2: #46 – Rail Yards, Tracks and Spurs.*** A railway line was identified running north-south along the east adjacent property. The presence of the railway tracks represents a PCA resulting in an APEC to the study site's soil with respect to target contaminants Metals, PHCs, BTEX, and PAHs.

The objectives of the Phase Two ESA were to determine the presence/absence of potential contaminants of concern within the soil. The presence of contaminants in the soil, if detected, would determine the need for further sampling and analyses of soil to delineate the extent of impact, and to satisfy the requirements of Ontario Regulation (O. Reg.) 153/04, amended by O. Reg. 511/09.

PHASE 2 ESA METHODS

Nine (9) test pits, TP1 to TP8-1 were advanced on April 28th, 2021. Soil samples were collected from each test pit as an upper sample between 0 – 1.22 meters below ground surface (mbgs) and a lower sample between 0.74 – 1.57 mbgs. Twelve (12) select samples were submitted to Paracel Laboratories Ltd. for analyses of PHCs (F1-F4), BTEX, PAHs, pH/SAR/EC, Metals (by ICP) and Grain Size Texture.

RESULTS

Exceedances to Ministry of the Environment, Conservation and Parks Site Condition Standards 2011 Table 8 for Residential Land Use in a Potable Ground Water Situation, fine textured soil, were noted in three (3) of the twelve (12) samples contaminant group Metals at three (3) of the nine (9) test pit locations. The exceedances were present within the fill material at depth ranges 0 – 1.22 m bgs.

DELINEATION

On May 12th, 2021, twelve (12) additional test pits (TP9 – TP20) were excavated surrounding the exceedance locations to determine if the results could be averaged as per O.Reg. 153/04, s.48 (2) which states:

"48. (2) If two or more samples of soil or sediment are taken from sampling points at the same sampling location that are at the same depth on, in or under the property, the property meets a standard mentioned in subsection (1) if the average of the sampling results meets the standard and in no other circumstances."

Twelve (12) composite samples were chosen for submission to Paracel Laboratories Ltd. for analysis of Metals (Antimony, Lead and Nickel). Averaging the three (3) localized areas revealed the results met applicable Table 8 criteria.

CONCLUSIONS

The Phase Two ESA and delineation results at 1 Neff Street, Port Colborne, ON revealed that soil samples ***met*** applicable Ministry of the Environment, Conservation and Parks Site Condition Standards 2011 Table 8 for Residential Land Use in a Potable Ground Water Situation, fine texture soil for target contaminants.

As of May 12th, 2021 Hallex considers the site suitable for conversion to residential land use and filing a Record of Site Condition with the Ministry of the Environment, Conservation and Parks is justified, if required. No further Environmental Assessment work was considered necessary as of May 12th, 2021.

LIST OF ACRONYMS

APEC	Area of Potential Environmental Concern
AST	Aboveground Storage Tank
BH	Borehole
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CO	Carbon Monoxide
CO_2	Carbon Dioxide
COC	Contaminant of Concern
CSM	Conceptual Site Model
CSVC	Combustible Soil Vapour Concentration
EC	Electrical Conductivity
EPA	Environmental Protection Act
ESA	Environmental Site Assessment
GPR	Ground Penetrating Radar
i	Hydraulic Gradient
k_h	Hydraulic Conductivity
LEL	Lower Explosive Limit
masl	Metres above sea level
mbgs	Metres below ground surface
MECP	Ministry of the Environment, Conservation and Parks
MW	Monitoring Well
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
ppm	Parts per million
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
SGWSS	Soil Groundwater and Sediment Standards
SVOC	Semi-Volatile Organic Compounds
TCLP	Toxicity Classification Leachate Procedure
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

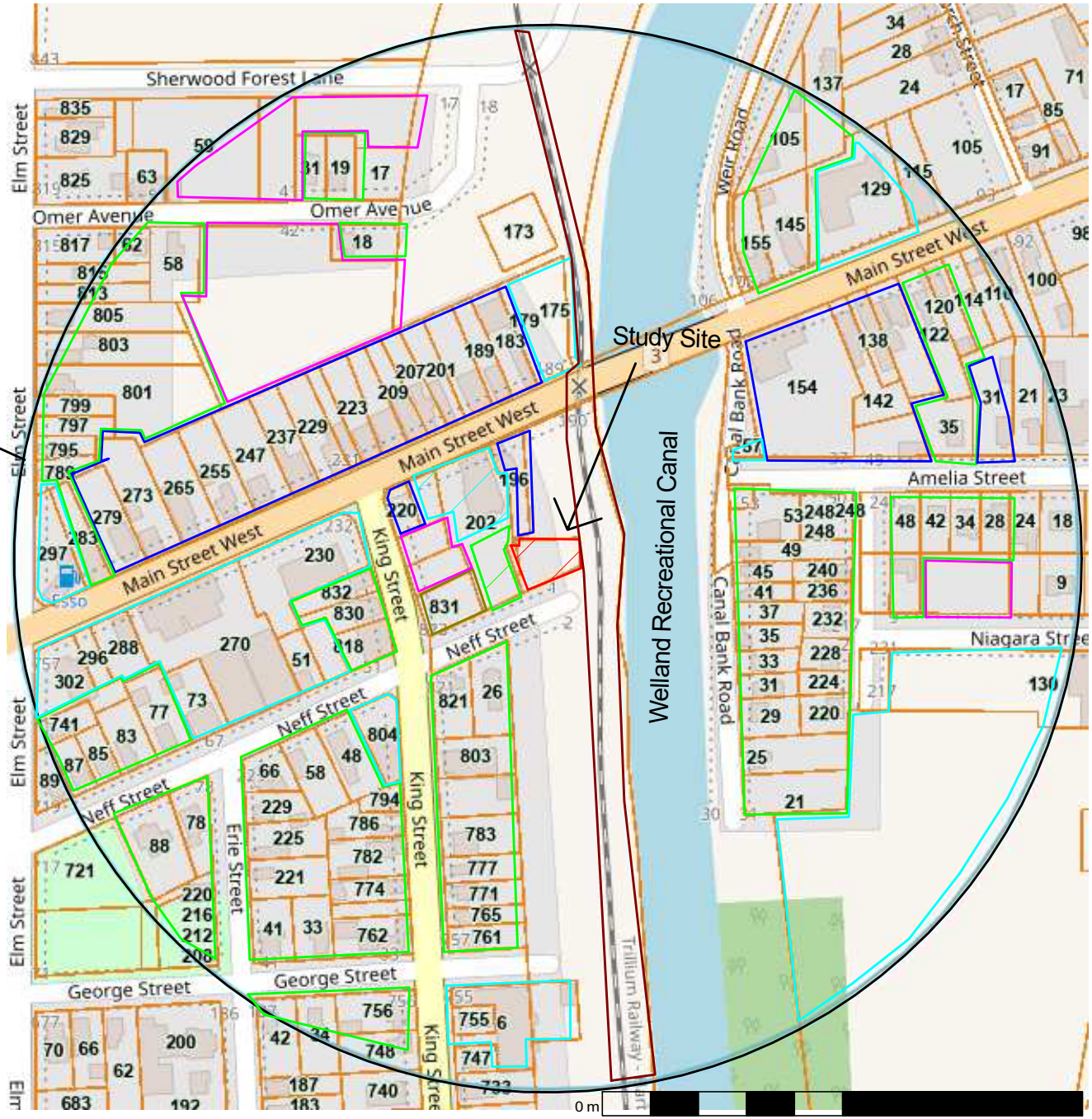
Potentially Contaminating Activities (PCAs)
Schedule D Table 2 of O. Reg 511/09

PCA#	Description
1	Acid and Alkali Manufacturing, Processing and Bulk Storage
2	Adhesives and Resins Manufacturing, Processing and Bulk Storage
3	Airstrips and Hangars Operation
4	Antifreeze and De-icing Manufacturing and Bulk Storage
5	Asphalt and Bitumen Manufacturing
6	Battery Manufacturing, Recycling and Bulk Storage
7	Boat Manufacturing
8	Chemical Manufacturing, Processing and Bulk Storage
9	Coal Gasification
10	Commercial Autobody Shops
11	Commercial Trucking and Container Terminals
12	Concrete, Cement and Lime Manufacturing
13	Cosmetics Manufacturing, Processing and Bulk Storage
14	Crude Oil Refining, Processing and Bulk Storage
15	Discharge of Brine related to oil and gas production
16	Drum and Barrel and Tank Reconditioning and Recycling
17	Dye Manufacturing, Processing and Bulk Storage
18	Electricity Generation, Transformation and Power Stations
19	Electronic and Computer Equipment Manufacturing
20	Explosives and Ammunition Manufacturing, Production and Bulk Storage
21	Explosives and Firing Range
22	Fertilizer Manufacturing, Processing and Bulk Storage
23	Fire Retardant Manufacturing, Processing and Bulk Storage
24	Fire Training
25	Flocculants Manufacturing, Processing and Bulk Storage
26	Foam and Expanded Foam Manufacturing and Processing
27	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
28	Gasoline and Associated Products Storage in Fixed Tanks
29	Glass Manufacturing
30	Importation of Fill Material of Unknown Quality

PCA#	Description
31	Ink Manufacturing, Processing and Bulk Storage
32	Iron and Steel Manufacturing and Processing
33	Metal Treatment, Coating, Plating and Finishing
34	Metal Fabrication
35	Mining, Smelting and Refining; Ore Processing; Tailings Storage
36	Oil Production
37	Operation of Dry-Cleaning Equipment (where chemicals are used)
38	Ordnance Use
39	Paints Manufacturing, Processing and Bulk Storage
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
41	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
42	Pharmaceutical Manufacturing and Processing
43	Plastics (including Fibreglass) Manufacturing and Processing
44	Port Activities, including Operation and Maintenance of Wharves and Docks
45	Pulp, Paper and Paperboard Manufacturing and Processing
46	Rail Yards, Tracks and Spurs
47	Rubber Manufacturing and Processing
48	Salt Manufacturing, Processing and Bulk Storage
49	Salvage Yard, including automobile wrecking
50	Soap and Detergent Manufacturing, Processing and Bulk Storage
51	Solvent Manufacturing, Processing and Bulk Storage
52	Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems
53	Tannery
54	Textile Manufacturing and Processing
55	Transformer Manufacturing, Processing and Use
56	Treatment of Sewage equal to or greater than 10,000 litres per day
57	Vehicles and Associated Parts Manufacturing
58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

TABLE OF CONTENTS

FIGURES



Legend

- Phase One Property
- Residential Land
- Mixed Commercial Residential Land
- Commercial Land
- Community/Park Land
- Vacant Land
- Industrial Land

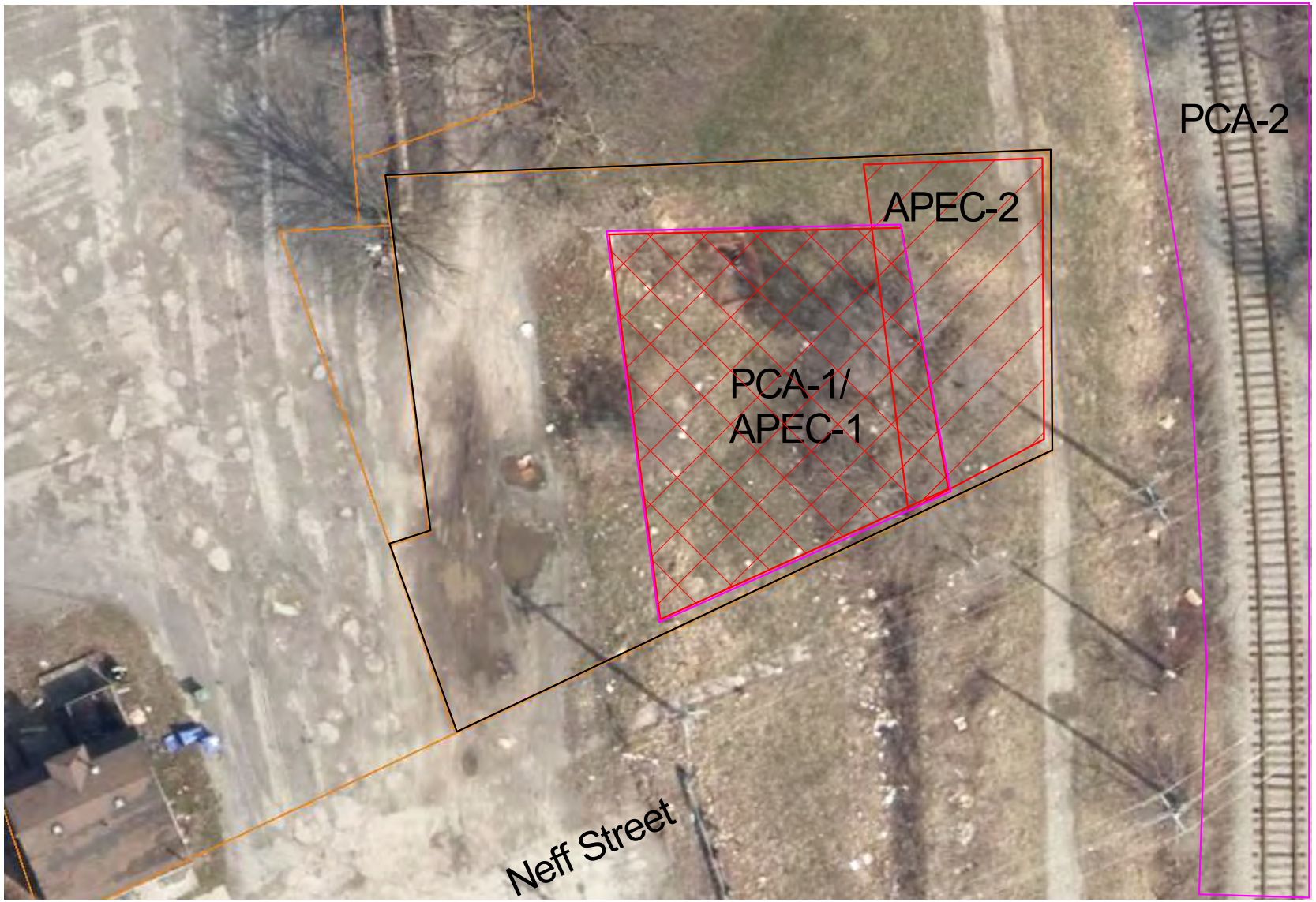
Client
Grandstone Living Inc.

Project
Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Adjacent Land Use

Project E-21-11-2
Date May 2021
Drafted: DN
Reviewed: JG

Figure 1



0 m 10 m 20 m

Legend

Phase One Property

PCA-#

PCA-1: Fill Material
PCA-2: Railway

APEC-#

APEC-1: Fill Material
APEC-2: Railway

Client
Glandstone Living Inc.

Project
Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Potentially Contaminating Activities/
Areas of Potential Environmental Concern

Project	E-21-11-2
Date	May 2021
Drafted: DN Reviewed: JG	

Figure 2

N

HALLEX ENVIRONMENTAL LTD.

Legend

Phase Two Property

Test Pit

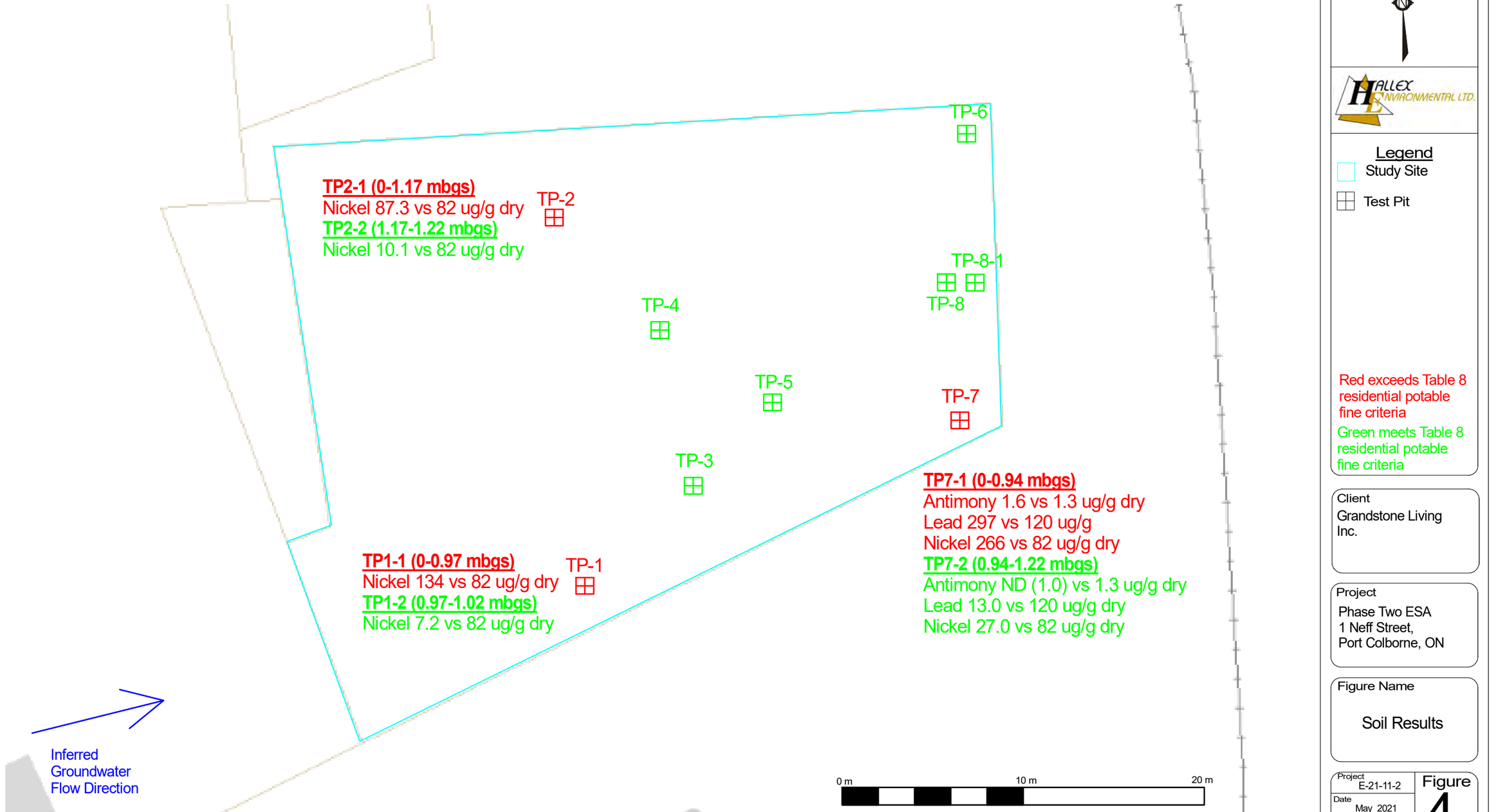
Client
Grandstone Living Inc.

Project
Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Test Pit Locations

Project	E-21-11-2
Date	May 2021
Drafted: DN Reviewed: JG	

Figure 3



HALLEX ENVIRONMENTAL LTD.

Legend

Study Site

Test Pit

Red exceeds Table 8 residential potable fine criteria

Green meets Table 8 residential potable fine criteria

Client
Grandstone Living Inc.

Project
Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Soil Results

Project E-21-11-2	Figure 4
Date May 2021	
Drafted: DN Reviewed: JG	

HALLEX ENVIRONMENTAL LTD.

Legend

- Phase Two Property
- Delineation Test Pit Locations
- Original Test Pit Locations

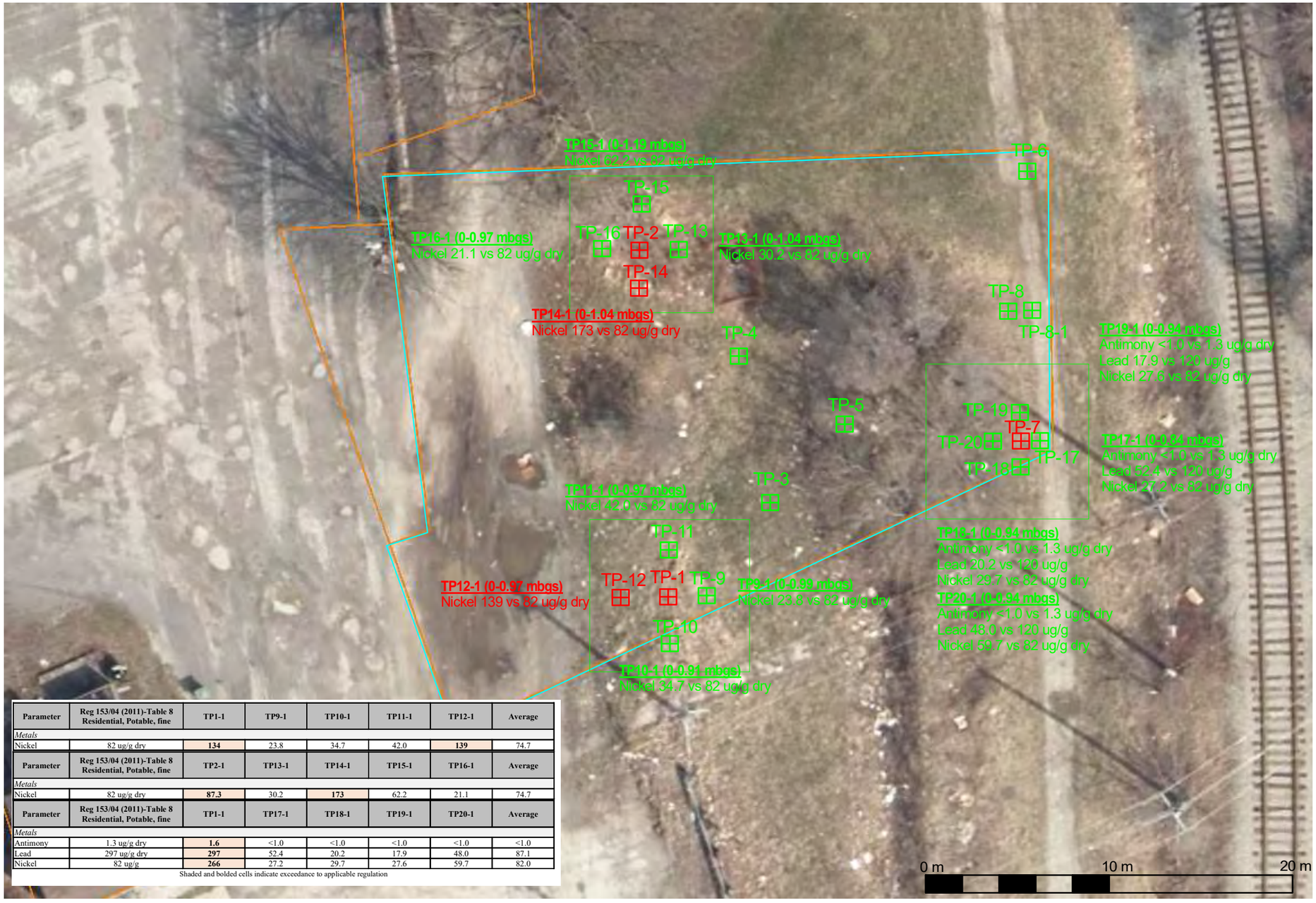
Client
Grandstone Living Inc.

Project
Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name
Delineation Test Pit Locations

Project	E-21-11-2
Date	May 2021
Drafted:	DN
Reviewed:	JG

Figure 5



Parameter	Reg 153/04 (2011)-Table 8 Residential, Potable, fine	TP1-1	TP9-1	TP10-1	TP11-1	TP12-1	Average
Metals							
Nickel	82 ug/g dry	**134**	23.8	34.7	42.0	**139**	74.7
Parameter	**Reg 153/04 (2011)-Table 8 Residential, Potable, fine**	**TP2-1**	**TP13-1**	**TP14-1**	**TP15-1**	**TP16-1**	**Average**
Metals							
Nickel	82 ug/g dry	**87.3**	30.2	**173**	62.2	21.1	74.7
Parameter	**Reg 153/04 (2011)-Table 8 Residential, Potable, fine**	**TP1-1**	**TP17-1**	**TP18-1**	**TP19-1**	**TP20-1**	**Average**
Metals							
Antimony	1.3 ug/g dry	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0
Lead	297 ug/g dry	**297**	52.4	20.2	17.9	48.0	87.1
Nickel	82 ug/g	**266**	27.2	29.7	27.6	59.7	82.0

Shaded and bolded cells indicate exceedance to applicable regulation

HALLEX ENVIRONMENTAL LTD.

Legend

- Study Site
- Test Pit
- Averaged Test Pits

Red exceeds Table 8 residential potable fine criteria

Green meets Table 8 residential potable fine criteria

Client

Glandstone Living Inc.

Project

Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name

Delineation
Average Soil Results

Project E-21-11-2	Figure 6
Date May 2021	
Drafted: DN Reviewed: JG	

Legend

- Study Site
- Test Pit
- A - A'
- B - B'

Client

Grandstone Living Inc.

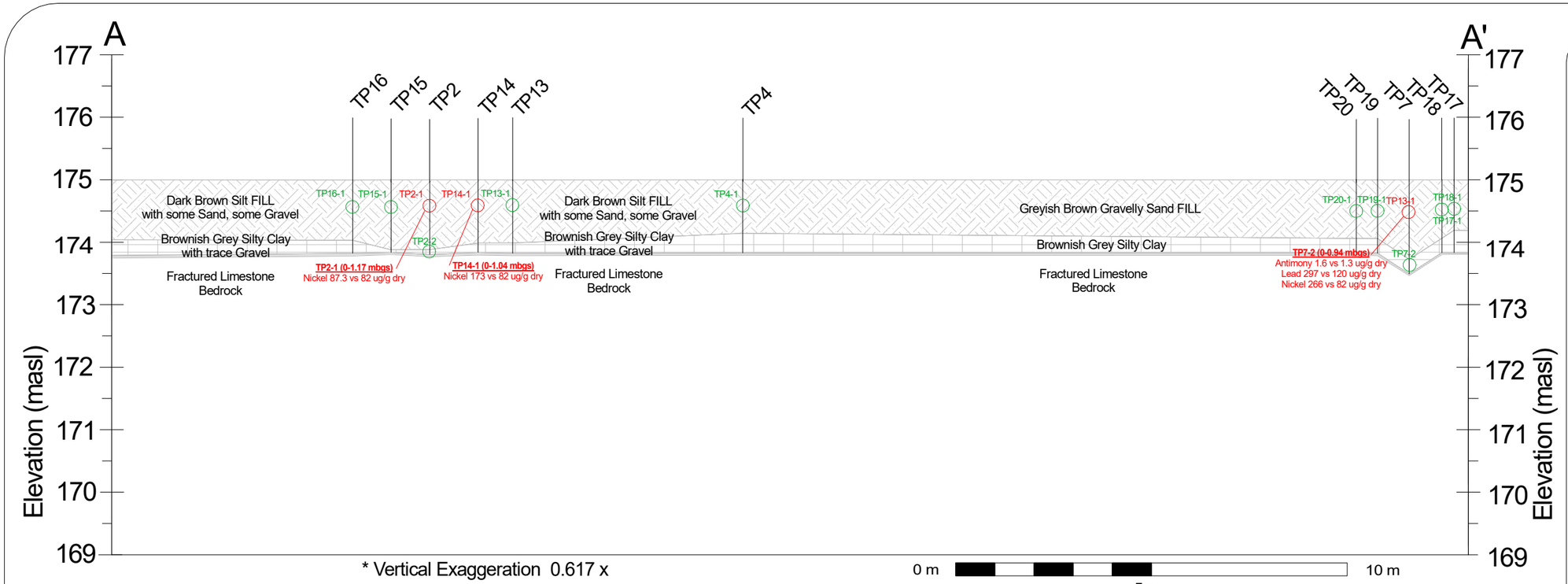
Project

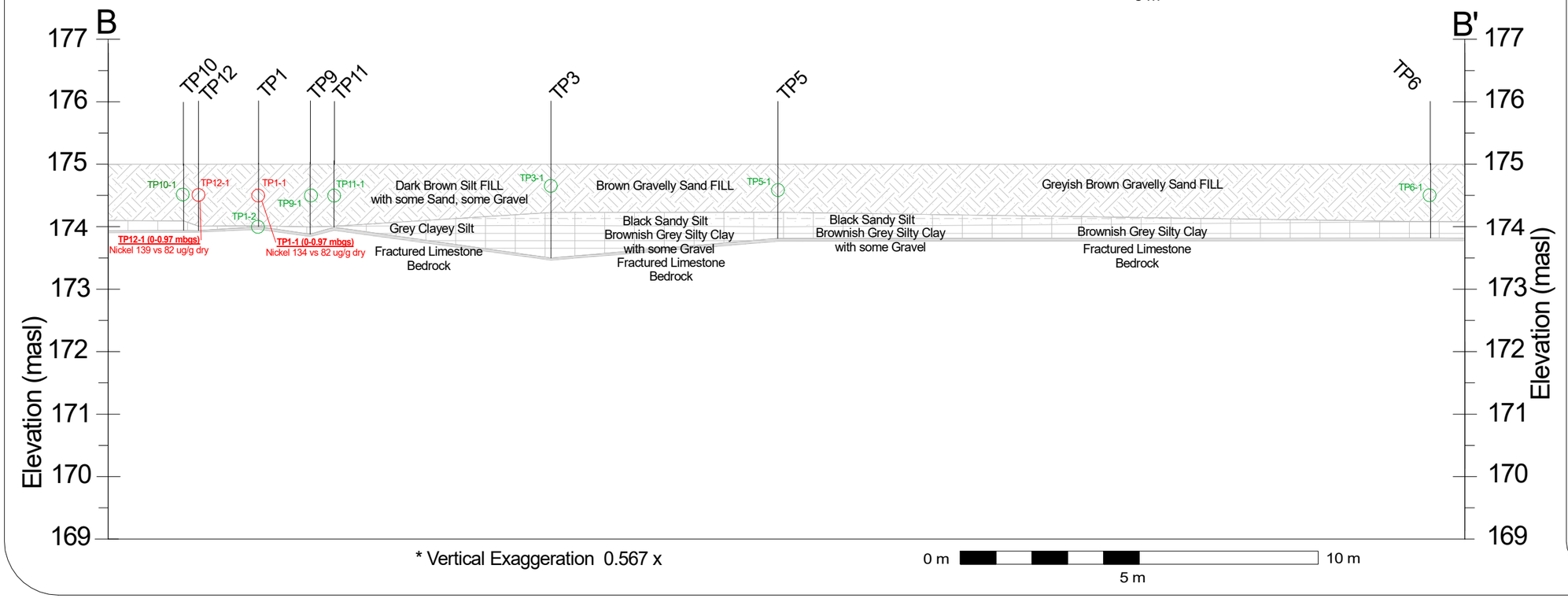
Phase Two ESA
1 Neff Street,
Port Colborne, ON

Figure Name

Study Site Cross Section Locations (A-A', B-B')

Project E-21-11-2	Figure 7a
Date May 2021	
Drafted: DN Reviewed: JG	





A-A' B-B'

HALLEX ENVIRONMENTAL LTD.

LEGEND

- Interpreted Groundwater Level
- Asphalt
- Sand
- Silt
- Clay
- Fill
- Limestone
- Soil Sample Location

ND () = No Detection
* Green indicates sample meets Table 8, Res, Potable, fine criteria
* Red indicates sample exceeds Table 8, Res, Potable, fine, criteria

CLIENT:

Grandstone Living Inc.

PROJECT:

Phase Two ESA
1 Neff Street,
Port Colborne, ON

FIGURE NAME:

Cross Sections:
A - A' and B - B'

PROJECT:	FIGURE
E-21-11-2	7b
DATE: May 2021	
Drafted: DN Reviewed: JG	

Appendix A:

Field Logs

TEST PIT LOG HALLEX ENVIRONMENTAL LTD

Project #: E-21-11-2	Client: Grandstone Living Inc.	Location: 1 Neff Street, Port Colborne, ON	Date: April 28, 2021

Test Pit #	Depth (m)	Description	Sample #	Lab
TP#: 1	0-0.97	Dark Brown Silt FILL with some sand, some gravel,	TP1-1	PHCs/BTEX
		moist, soft, no odour		PAHs, Metals,
				Grain Size
	0.97-1.02	Grey Clayey Silt with trace gravel, moist soft no odour	TP1-2	Nickel (Metals)
	1.03	Fractured Limestone Bedrock		
TP#: 2	0-1.17	Dark Brown Silt FILL with some sand, some gravel,	TP2-1	PHCs/BTEX
		moist, soft, no odour		PAHs, Metals,
	1.17-1.22	Grey Clayey Silt with trace gravel, moist soft no odour	TP2-2	Nickel (Metals)
	1.23	Fractured Limestone Bedrock		
TP#: 3	0-0.74	Brown Gravelly Sand FILL, moist, soft, no odour	TP3-1	PHCs/BTEX
				PAHs, Metals,
	0.74-0.97	Black Sandy Silt NATIVE, with trace clay, some gravel	TP3-2	
		soft, moist, no odour		
	0.97-1.50	Grey Clayey Silt within fractured limestone bedrock,		
		soft, moist, no odour		
	1.51	Fractured Limestone Bedrock		
TP#: 4	0-0.79	Greyish Brown Gravelly Sand FILL,	TP4-1	PHCs/BTEX
		moist, soft, no odour		PAHs, Metals,
	0.79-0.84	Black Sandy Silt NATIVE, with trace clay, some gravel	TP4-2	
		soft, moist, no odour		
	0.84-1.17	Grey Clayey Silt with some gravel, within fractured		
		bedrock, soft, moist, no odour		
	1.18	Fractured Limestone Bedrock		
TP#: 5	0-0.76	Greyish Brown Gravelly Sand FILL,	TP5-1	PHCs/BTEX
		moist, soft, no odour		PAHs, Metals,
	0.76-0.99	Black Sandy Silt NATIVE, with trace clay, some gravel	TP5-2	
		soft, moist, no odour		
	0.99-1.17	Grey Clayey Silt with some gravel, within fractured		
		bedrock, soft, moist, no odour		
	1.18	Fractured Limestone Bedrock		
TP#: 6	0-0.91	Blackish Grey Gravelly Sand FILL with pieces of	TP6-1	PHCs/BTEX
		fractured limestone, moist, soft, no odour		PAHs, Metals,
				pH/SAR/EC
	0.91-1.22	Brownish Grey Silty Clay, soft, moist, no odour	TP6-2	
	1.23	Fractured Limestone Bedrock		
TP#: 7	0-1.22	Blackish Grey Gravelly Sand FILL with pieces of	TP7-1	PHCs/BTEX
		fractured limestone, moist, soft, no odour		PAHs, Metals,
				pH/SAR/EC
				Grain Size
	1.22-1.57	Brownish Grey Silty Clay with trace sand,	TP7-2	Antimony, Lead
		soft, moist, no odour		Nickel (Metals)
	1.58	Fractured Limestone Bedrock		

TEST PIT LOG HALLEX ENVIRONMENTAL LTD

Project #: E-21-11-2		Client: Grandstone Living Inc.	Location: 1 Neff Street, Port Colborne, ON	Date: April 28, 2021	
Test Pit #	**Depth (m)**	**Description**		**Sample #**	**Lab**
TP#: 8	0-1.22	Grey Gravelly Sand FILL with pieces of fractured		TP8-1	PHCs/BTEX
		limestone, moist, soft, no odour			PAHs, Metals,
					pH/SAR/EC
	1.22-1.63	Brown Silt with some Clay, some Sand, moist, soft,		TP8-2	
		no odour			
	1.64	Fractured Bedrock Limestone			
TP#: 8-1	0.43-0.86	Orangish Black Gravelly Sand FILL with pieces of		TP8-1	PHCs/BTEX
		fractured limestone, moist, soft, no odour			PAHs, Metals,
					pH/SAR/EC

TEST PIT LOG HALLEX ENVIRONMENTAL LTD

Project #: E-21-11-2	Client: Grandstone Living Inc.	Location: 1 Neff Street, Port Colborne, ON	Date: May 12, 2021	
Test Pit #	**Depth (m)**	**Description**	**Sample #**	**Lab**
TP#: 9	0-0.99	Dark Brown Silt FILL with some sand, some gravel,	TP9-1	Nickel (Metals)
		moist, soft, no odour		
	0.99-1.12	Grey Clayey Silt with trace gravel, moist, soft,	TP9-2	
		no odour		
	1.13	Fractured Limestone Bedrock		
TP#: 10	0-0.58	Grey Granular FILL, dry, soft, no odour		
	0.58-0.91	Dark Brown Silt FILL with some sand, some gravel,	TP10-1	Nickel (Metals)
		moist, soft, no odour		
	0.91-1.04	Grey Clayey Silt with trace gravel, moist, soft,	TP10-2	
		no odour		
	1.05	Fractured Limestone Bedrock		
TP#: 11	0-0.97	Dark Brown Silt FILL with some sand, some gravel,	TP11-1	Nickel (Metals)
		moist, soft, no odour		
	0.97-0.99	Grey Clayey Silt with trace gravel, moist, soft,	TP11-2	
		no odour		
	1.00	Fractured Limestone Bedrock		
TP#: 12	0-0.97	Dark Brown Silt FILL with some sand, some gravel,	TP12-1	Nickel (Metals)
		moist, soft, no odour		
	0.97-1.09	Grey Clayey Silt with trace gravel, moist, soft,	TP12-2	
		no odour		
	1.10	Fractured Limestone Bedrock		
TP#: 13	0-1.02	Dark Brown Silt FILL with some sand, some gravel,	TP13-1	Nickel (Metals)
		moist, soft, no odour		
	1.02-1.22	Grey Clayey Silt with trace gravel, moist, soft,	TP13-2	
		no odour		
	1.23	Fractured Limestone Bedrock		
TP#: 14	0-1.04	Dark Brown Silt FILL with some sand, some gravel,	TP14-1	Nickel (Metals)
		moist, soft, no odour		
	1.04-1.17	Grey Clayey Silt with trace gravel, moist, soft,	TP14-2	
		no odour		
	1.18	Fractured Limestone Bedrock		
TP#: 15	0-1.19	Dark Brown Silt FILL with some sand, some gravel,	TP15-1	Nickel (Metals)
		moist, soft, no odour		
	1.19-1.22	Grey Clayey Silt with trace gravel, moist, soft,	TP15-2	
		no odour		
	1.23	Fractured Limestone Bedrock		

TEST PIT LOG HALLEX ENVIRONMENTAL LTD

Project #: E-21-11-2		Client: Grandstone Living Inc.	Location: 1 Neff Street, Port Colborne, ON	Date: May 12, 2021	
Test Pit #	**Depth (m)**	**Description**		**Sample #**	**Lab**
TP#: 16	0-0.97	Dark Brown Silt FILL with some sand, some gravel,		TP16-1	Nickel (Metals)
		moist, soft, no odour			
	0.97-1.22	Grey Clayey Silt with trace gravel, moist, soft,		TP16-2	
		no odour			
	1.23	Fractured Limestone Bedrock			
TP#: 17	0-0.83	Blackish Grey Gravelly Sand FILL with pieces of		TP17-1	Antimony, Lead
		fractured limestone, moist, soft, no odour			Nickel (Metals)
	0.83-1.22	Brownish Grey Silty Clay with trace sand,		TP17-2	
		soft, moist, no odour			
	1.23	Fractured Limestone Bedrock			
TP#: 18	0-0.94	Blackish Grey Gravelly Sand FILL with pieces of		TP18-1	Antimony, Lead
		fractured limestone, moist, soft, no odour			Nickel (Metals)
	0.94-1.22	Brownish Grey Silty Clay with trace sand,		TP18-2	
		soft, moist, no odour			
	1.23	Fractured Limestone Bedrock			
TP#: 19	0-0.94	Blackish Grey Gravelly Sand FILL with pieces of		TP19-1	Antimony, Lead
		fractured limestone, moist, soft, no odour			Nickel (Metals)
	0.94-1.22	Brownish Grey Silty Clay with trace sand,		TP19-2	
		soft, moist, no odour			
	1.23	Fractured Limestone Bedrock			
TP#: 20	0-0.94	Blackish Grey Gravelly Sand FILL with pieces of		TP20-1	Antimony, Lead
		fractured limestone, moist, soft, no odour			Nickel (Metals)
	0.94-1.22	Brownish Grey Silty Clay with trace sand,		TP20-2	
		soft, moist, no odour			
	1.23	Fractured Limestone Bedrock			

Appendix B:

Laboratory Analytical Reports

PARACEL LABORATORIES LTD.
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351 Nash Road North, unit 9B
Hamilton, ON L8H 7P4
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

Hallex Environmental Ltd.

4999 Victoria Ave
Niagara Falls, ON L2E 4C9
Attn: Kevin Christian

Client PO:
Project: E-21-11-2
Custody: 131350

Report Date: 5-May-2021
Order Date: 29-Apr-2021

Order #: 2118401

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2118401-01	TP1-1
2118401-02	TP2-1
2118401-03	TP3-1
2118401-04	TP4-1
2118401-05	TP5-1
2118401-06	TP6-1
2118401-07	TP7-1
2118401-08	TP8-1
2118401-09	TP8-1-1

Approved By:

Alex Enfield, MSc
Lab Manager

Certificate of Analysis

Report Date: 05-May-2021

Client: Hallex Environmental Ltd.

Order Date: 29-Apr-2021

Client PO:

Project Description: E-21-11-2

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
BTEX by P&T GC-MS	EPA 8260 - P&T GC-MS	30-Apr-21	3-May-21
Conductivity	MOE E3138 - probe @25 °C, water ext	4-May-21	5-May-21
PHC F1	CWS Tier 1 - P&T GC-FID	30-Apr-21	3-May-21
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	3-May-21	4-May-21
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	4-May-21	4-May-21
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	3-May-21	4-May-21
REG 153: pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	4-May-21	5-May-21
SAR	Calculated	4-May-21	5-May-21
Solids, %	Gravimetric, calculation	4-May-21	5-May-21
Texture - Coarse Med/Fine	Based on ASTM D2487	30-Apr-21	3-May-21

Certificate of Analysis

Report Date: 05-May-2021

Client: **Hallex Environmental Ltd.**

Order Date: 29-Apr-2021

Client PO:

Project Description: E-21-11-2

	Client ID:	TP1-1	TP2-1	TP3-1	TP4-1
	Sample Date:	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00
	Sample ID:	2118401-01	2118401-02	2118401-03	2118401-04
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	83.7	88.5	79.9	92.3
>75 um	0.1 %	34.6	-	-	-
<75 um	0.1 %	65.4	-	-	-
Texture	0.1 %	Med/Fine	-	-	-
Metals					
Antimony	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Arsenic	1.0 ug/g dry	5.4	8.0	1.9	1.8
Barium	1.0 ug/g dry	82.9	56.6	76.5	44.9
Beryllium	0.5 ug/g dry	0.8	0.5	0.7	<0.5
Boron	5.0 ug/g dry	14.4	12.8	11.1	9.8
Cadmium	0.5 ug/g dry	1.1	0.6	<0.5	<0.5
Chromium	5.0 ug/g dry	23.9	16.3	18.5	13.4
Cobalt	1.0 ug/g dry	7.0	5.8	4.8	4.6
Copper	5.0 ug/g dry	33.9	26.9	17.0	16.5
Lead	1.0 ug/g dry	45.8	51.0	19.5	37.6
Molybdenum	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Nickel	5.0 ug/g dry	134	87.3	17.0	23.8
Selenium	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Silver	0.3 ug/g dry	0.3	<0.3	<0.3	<0.3
Thallium	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Uranium	1.0 ug/g dry	1.4	<1.0	<1.0	<1.0
Vanadium	10.0 ug/g dry	27.6	20.8	23.1	19.9
Zinc	20.0 ug/g dry	91.2	95.7	47.1	55.1
Volatiles					
Benzene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
o-Xylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene-d8	Surrogate	109%	109%	109%	109%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	23	<8

Certificate of Analysis

Report Date: 05-May-2021

Client: **Hallex Environmental Ltd.**

Order Date: 29-Apr-2021

Client PO:

Project Description: E-21-11-2

	Client ID:	TP1-1	TP2-1	TP3-1	TP4-1
	Sample Date:	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00
	Sample ID:	2118401-01	2118401-02	2118401-03	2118401-04
	MDL/Units	Soil	Soil	Soil	Soil
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6
Semi-Volatiles					
Acenaphthene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	0.02 ug/g dry	0.06	<0.02	<0.02	<0.02
Anthracene	0.02 ug/g dry	0.03	<0.02	<0.02	<0.02
Benzo [a] anthracene	0.02 ug/g dry	0.16	<0.02	<0.02	<0.02
Benzo [a] pyrene	0.02 ug/g dry	0.15	<0.02	<0.02	<0.02
Benzo [b] fluoranthene	0.02 ug/g dry	0.14	<0.02	<0.02	<0.02
Benzo [g,h,i] perylene	0.02 ug/g dry	0.10	<0.02	<0.02	<0.02
Benzo [k] fluoranthene	0.02 ug/g dry	0.06	<0.02	<0.02	<0.02
Chrysene	0.02 ug/g dry	0.13	<0.02	<0.02	<0.02
Dibenzo [a,h] anthracene	0.02 ug/g dry	0.03	<0.02	<0.02	<0.02
Fluoranthene	0.02 ug/g dry	0.19	<0.02	<0.02	<0.02
Fluorene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Indeno [1,2,3-cd] pyrene	0.02 ug/g dry	0.10	<0.02	<0.02	<0.02
1-Methylnaphthalene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
2-Methylnaphthalene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene (1&2)	0.03 ug/g dry	<0.03	<0.03	<0.03	<0.03
Naphthalene	0.01 ug/g dry	<0.01	<0.01	<0.01	<0.01
Phenanthrene	0.02 ug/g dry	0.04	<0.02	<0.02	<0.02
Pyrene	0.02 ug/g dry	0.16	<0.02	<0.02	<0.02
2-Fluorobiphenyl	Surrogate	75.8%	71.3%	69.9%	74.2%
Terphenyl-d14	Surrogate	71.9%	70.3%	69.8%	73.8%

Certificate of Analysis

Report Date: 05-May-2021

Client: **Hallex Environmental Ltd.**

Order Date: 29-Apr-2021

Client PO:

Project Description: E-21-11-2

	Client ID:	TP5-1	TP6-1	TP7-1	TP8-1
	Sample Date:	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00
	Sample ID:	2118401-05	2118401-06	2118401-07	2118401-08
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	86.6	84.7	82.1	85.2
>75 um	0.1 %	-	-	31.1	-
<75 um	0.1 %	-	-	68.9	-
Texture	0.1 %	-	-	Med/Fine	-
General Inorganics					
SAR	0.01 N/A	-	0.12	0.09	0.08
Conductivity	5 uS/cm	-	279	318	217
pH	0.05 pH Units	-	7.52	7.34	7.35
Metals					
Antimony	1.0 ug/g dry	<1.0	<1.0	1.6	1.1
Arsenic	1.0 ug/g dry	2.4	3.6	7.0	4.0
Barium	1.0 ug/g dry	79.0	78.3	203	117
Beryllium	0.5 ug/g dry	0.7	0.9	1.0	0.9
Boron	5.0 ug/g dry	22.3	17.3	11.6	13.6
Cadmium	0.5 ug/g dry	<0.5	0.6	1.0	<0.5
Chromium	5.0 ug/g dry	21.6	23.9	30.2	25.5
Cobalt	1.0 ug/g dry	4.5	6.6	13.3	8.1
Copper	5.0 ug/g dry	14.2	26.5	56.8	35.2
Lead	1.0 ug/g dry	88.6	40.8	297	104
Molybdenum	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Nickel	5.0 ug/g dry	18.9	60.8	266	62.7
Selenium	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Silver	0.3 ug/g dry	<0.3	<0.3	0.4	<0.3
Thallium	1.0 ug/g dry	<1.0	<1.0	<1.0	<1.0
Uranium	1.0 ug/g dry	1.1	1.3	1.1	1.3
Vanadium	10.0 ug/g dry	28.8	30.0	33.4	30.5
Zinc	20.0 ug/g dry	75.7	66.1	234	111
Volatiles					
Benzene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
o-Xylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene-d8	Surrogate	109%	109%	109%	108%

Certificate of Analysis

Client: **Hallex Environmental Ltd.**

Client PO:

Report Date: 05-May-2021

Order Date: 29-Apr-2021

Project Description: E-21-11-2

	Client ID:	TP5-1	TP6-1	TP7-1	TP8-1
	Sample Date:	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00	29-Apr-21 09:00
	Sample ID:	2118401-05	2118401-06	2118401-07	2118401-08
	MDL/Units	Soil	Soil	Soil	Soil
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	9	<8	18	16
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6
Semi-Volatiles					
Acenaphthene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	0.02 ug/g dry	<0.02	<0.02	0.03	<0.02
Anthracene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Benzo [a] anthracene	0.02 ug/g dry	0.02	0.02	0.09	0.13
Benzo [a] pyrene	0.02 ug/g dry	<0.02	0.02	0.09	0.10
Benzo [b] fluoranthene	0.02 ug/g dry	0.02	0.02	0.08	0.09
Benzo [g,h,i] perylene	0.02 ug/g dry	<0.02	<0.02	0.06	0.07
Benzo [k] fluoranthene	0.02 ug/g dry	<0.02	<0.02	0.04	0.04
Chrysene	0.02 ug/g dry	<0.02	0.02	0.07	0.09
Dibenzo [a,h] anthracene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Fluoranthene	0.02 ug/g dry	0.03	0.03	0.12	0.15
Fluorene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Indeno [1,2,3-cd] pyrene	0.02 ug/g dry	<0.02	<0.02	0.06	0.07
1-Methylnaphthalene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
2-Methylnaphthalene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene (1&2)	0.03 ug/g dry	<0.03	<0.03	<0.03	<0.03
Naphthalene	0.01 ug/g dry	<0.01	<0.01	<0.01	<0.01
Phenanthrene	0.02 ug/g dry	<0.02	<0.02	0.05	0.05
Pyrene	0.02 ug/g dry	0.02	0.03	0.09	0.12
2-Fluorobiphenyl	Surrogate	69.9%	66.5%	74.8%	71.9%
Terphenyl-d14	Surrogate	69.7%	69.3%	71.2%	69.1%

Certificate of Analysis

Client: **Hallex Environmental Ltd.**

Client PO:

Report Date: 05-May-2021

Order Date: 29-Apr-2021

Project Description: E-21-11-2

	Client ID:	TP8-1-1	-	-	-
	Sample Date:	29-Apr-21 09:00	-	-	-
	Sample ID:	2118401-09	-	-	-
	MDL/Units	Soil	-	-	-
Physical Characteristics					
% Solids	0.1 % by Wt.	79.8	-	-	-
General Inorganics					
SAR	0.01 N/A	0.08	-	-	-
Conductivity	5 uS/cm	215	-	-	-
pH	0.05 pH Units	7.14	-	-	-
Metals					
Antimony	1.0 ug/g dry	<1.0	-	-	-
Arsenic	1.0 ug/g dry	8.6	-	-	-
Barium	1.0 ug/g dry	134	-	-	-
Beryllium	0.5 ug/g dry	0.6	-	-	-
Boron	5.0 ug/g dry	11.8	-	-	-
Cadmium	0.5 ug/g dry	<0.5	-	-	-
Chromium	5.0 ug/g dry	20.5	-	-	-
Cobalt	1.0 ug/g dry	7.4	-	-	-
Copper	5.0 ug/g dry	36.8	-	-	-
Lead	1.0 ug/g dry	104	-	-	-
Molybdenum	1.0 ug/g dry	<1.0	-	-	-
Nickel	5.0 ug/g dry	54.6	-	-	-
Selenium	1.0 ug/g dry	<1.0	-	-	-
Silver	0.3 ug/g dry	<0.3	-	-	-
Thallium	1.0 ug/g dry	<1.0	-	-	-
Uranium	1.0 ug/g dry	1.1	-	-	-
Vanadium	10.0 ug/g dry	26.4	-	-	-
Zinc	20.0 ug/g dry	82.0	-	-	-
Volatiles					
Benzene	0.02 ug/g dry	<0.02	-	-	-
Ethylbenzene	0.05 ug/g dry	<0.05	-	-	-
Toluene	0.05 ug/g dry	<0.05	-	-	-
m,p-Xylenes	0.05 ug/g dry	<0.05	-	-	-
o-Xylene	0.05 ug/g dry	<0.05	-	-	-
Xylenes, total	0.05 ug/g dry	<0.05	-	-	-
Toluene-d8	Surrogate	108%	-	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	-	-	-
F2 PHCs (C10-C16)	4 ug/g dry	<4	-	-	-

Certificate of Analysis

Client: **Hallex Environmental Ltd.**

Client PO:

Report Date: 05-May-2021

Order Date: 29-Apr-2021

Project Description: E-21-11-2

	Client ID:	TP8-1-1	-	-	-
	Sample Date:	29-Apr-21 09:00	-	-	-
	Sample ID:	2118401-09	-	-	-
	MDL/Units	Soil	-	-	-
F3 PHCs (C16-C34)	8 ug/g dry	<8	-	-	-
F4 PHCs (C34-C50)	6 ug/g dry	<6	-	-	-
Semi-Volatiles					
Acenaphthene	0.02 ug/g dry	<0.02	-	-	-
Acenaphthylene	0.02 ug/g dry	<0.02	-	-	-
Anthracene	0.02 ug/g dry	<0.02	-	-	-
Benzo [a] anthracene	0.02 ug/g dry	0.04	-	-	-
Benzo [a] pyrene	0.02 ug/g dry	0.03	-	-	-
Benzo [b] fluoranthene	0.02 ug/g dry	0.03	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g dry	<0.02	-	-	-
Benzo [k] fluoranthene	0.02 ug/g dry	<0.02	-	-	-
Chrysene	0.02 ug/g dry	0.03	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g dry	<0.02	-	-	-
Fluoranthene	0.02 ug/g dry	0.06	-	-	-
Fluorene	0.02 ug/g dry	<0.02	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g dry	0.02	-	-	-
1-Methylnaphthalene	0.02 ug/g dry	<0.02	-	-	-
2-Methylnaphthalene	0.02 ug/g dry	<0.02	-	-	-
Methylnaphthalene (1&2)	0.03 ug/g dry	<0.03	-	-	-
Naphthalene	0.01 ug/g dry	<0.01	-	-	-
Phenanthrene	0.02 ug/g dry	<0.02	-	-	-
Pyrene	0.02 ug/g dry	0.05	-	-	-
2-Fluorobiphenyl	Surrogate	65.2%	-	-	-
Terphenyl-d14	Surrogate	68.0%	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Conductivity	ND	5	uS/cm						
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
Metals									
Antimony	ND	1.0	ug/g						
Arsenic	ND	1.0	ug/g						
Barium	ND	1.0	ug/g						
Beryllium	ND	0.5	ug/g						
Boron	ND	5.0	ug/g						
Cadmium	ND	0.5	ug/g						
Chromium	ND	5.0	ug/g						
Cobalt	ND	1.0	ug/g						
Copper	ND	5.0	ug/g						
Lead	ND	1.0	ug/g						
Molybdenum	ND	1.0	ug/g						
Nickel	ND	5.0	ug/g						
Selenium	ND	1.0	ug/g						
Silver	ND	0.3	ug/g						
Thallium	ND	1.0	ug/g						
Uranium	ND	1.0	ug/g						
Vanadium	ND	10.0	ug/g						
Zinc	ND	20.0	ug/g						
Semi-Volatiles									
Acenaphthene	ND	0.02	ug/g						
Acenaphthylene	ND	0.02	ug/g						
Anthracene	ND	0.02	ug/g						
Benzo [a] anthracene	ND	0.02	ug/g						
Benzo [a] pyrene	ND	0.02	ug/g						
Benzo [b] fluoranthene	ND	0.02	ug/g						
Benzo [g,h,i] perylene	ND	0.02	ug/g						
Benzo [k] fluoranthene	ND	0.02	ug/g						
Chrysene	ND	0.02	ug/g						
Dibenzo [a,h] anthracene	ND	0.02	ug/g						
Fluoranthene	ND	0.02	ug/g						
Fluorene	ND	0.02	ug/g						
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g						
1-Methylnaphthalene	ND	0.02	ug/g						
2-Methylnaphthalene	ND	0.02	ug/g						
Methylnaphthalene (1&2)	ND	0.03	ug/g						
Naphthalene	ND	0.01	ug/g						
Phenanthrene	ND	0.02	ug/g						
Pyrene	ND	0.02	ug/g						
Surrogate: 2-Fluorobiphenyl	*0.157*		*ug/g*		*75.5*	*50-140*			
Surrogate: Terphenyl-d14	*0.154*		*ug/g*		*77.2*	*50-140*			
Volatiles									
Benzene	ND	0.02	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						
Surrogate: Toluene-d8	*8.68*		*ug/g*		*108*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
SAR	2.34	0.01	N/A	2.82			18.6	30	
Conductivity	493	5	uS/cm	503			2.0	5	
pH	5.91	0.05	pH Units	6.09			3.0	10	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g dry	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g dry	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g dry	ND			NC	30	
Arsenic	5.9	1.0	ug/g dry	5.4			8.0	30	
Barium	106	1.0	ug/g dry	97.4			8.1	30	
Beryllium	0.7	0.5	ug/g dry	0.7			3.1	30	
Boron	14.9	5.0	ug/g dry	11.5			26.0	30	
Cadmium	ND	0.5	ug/g dry	ND			NC	30	
Chromium	24.3	5.0	ug/g dry	21.9			10.3	30	
Cobalt	10.7	1.0	ug/g dry	9.6			10.5	30	
Copper	25.2	5.0	ug/g dry	23.7			6.1	30	
Lead	13.6	1.0	ug/g dry	16.7			20.4	30	
Molybdenum	1.2	1.0	ug/g dry	ND			NC	30	
Nickel	23.7	5.0	ug/g dry	21.9			8.0	30	
Selenium	1.4	1.0	ug/g dry	ND			NC	30	
Silver	ND	0.3	ug/g dry	ND			NC	30	
Thallium	ND	1.0	ug/g dry	ND			NC	30	
Uranium	1.1	1.0	ug/g dry	ND			NC	30	
Vanadium	38.6	10.0	ug/g dry	35.5			8.4	30	
Zinc	50.7	20.0	ug/g dry	46.4			9.0	30	
Physical Characteristics									
% Solids	81.6	0.1	% by Wt.	83.1			1.8	25	
Semi-Volatiles									
Acenaphthene	ND	0.02	ug/g dry	ND			NC	40	
Acenaphthylene	ND	0.02	ug/g dry	ND			NC	40	
Anthracene	ND	0.02	ug/g dry	ND			NC	40	
Benzo [a] anthracene	ND	0.02	ug/g dry	ND			NC	40	
Benzo [a] pyrene	ND	0.02	ug/g dry	ND			NC	40	
Benzo [b] fluoranthene	ND	0.02	ug/g dry	ND			NC	40	
Benzo [g,h,i] perylene	ND	0.02	ug/g dry	ND			NC	40	
Benzo [k] fluoranthene	ND	0.02	ug/g dry	ND			NC	40	
Chrysene	ND	0.02	ug/g dry	ND			NC	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g dry	ND			NC	40	
Fluoranthene	ND	0.02	ug/g dry	ND			NC	40	
Fluorene	ND	0.02	ug/g dry	ND			NC	40	
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g dry	ND			NC	40	
1-Methylnaphthalene	ND	0.02	ug/g dry	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g dry	ND			NC	40	
Naphthalene	ND	0.01	ug/g dry	ND			NC	40	
Phenanthrene	ND	0.02	ug/g dry	ND			NC	40	
Pyrene	ND	0.02	ug/g dry	ND			NC	40	
Surrogate: 2-Fluorobiphenyl	*0.178*		*ug/g dry*		*75.5*	*50-140*			
Surrogate: Terphenyl-d14	*0.170*		*ug/g dry*		*75.2*	*50-140*			
Volatiles									
Benzene	ND	0.02	ug/g dry	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g dry	ND			NC	50	
Toluene	ND	0.05	ug/g dry	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g dry	ND			NC	50	

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 05-May-2021

Order Date: 29-Apr-2021

Project Description: E-21-11-2

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
o-Xylene	ND	0.05	ug/g dry	ND			NC	50	
Surrogate: Toluene-d8	*11.2*		*ug/g dry*		*107*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	61	7	ug/g	ND	86.2	80-120			
F2 PHCs (C10-C16)	91	4	ug/g	ND	89.5	60-140			
F3 PHCs (C16-C34)	218	8	ug/g	ND	95.8	60-140			
F4 PHCs (C34-C50)	171	6	ug/g	ND	104	60-140			
Metals									
Antimony	133	1.0	ug/g	ND	106	70-130			
Arsenic	133	1.0	ug/g	5.4	102	70-130			
Barium	218	1.0	ug/g	97.4	96.3	70-130			
Beryllium	116	0.5	ug/g	0.7	91.9	70-130			
Boron	123	5.0	ug/g	11.5	89.5	70-130			
Cadmium	123	0.5	ug/g	ND	98.7	70-130			
Chromium	140	5.0	ug/g	21.9	94.2	70-130			
Cobalt	127	1.0	ug/g	9.6	93.9	70-130			
Copper	144	5.0	ug/g	23.7	96.4	70-130			
Lead	136	1.0	ug/g	16.7	95.5	70-130			
Molybdenum	125	1.0	ug/g	ND	99.6	70-130			
Nickel	144	5.0	ug/g	21.9	97.8	70-130			
Selenium	127	1.0	ug/g	ND	102	70-130			
Silver	120	0.3	ug/g	ND	96.2	70-130			
Thallium	122	1.0	ug/g	ND	97.7	70-130			
Uranium	125	1.0	ug/g	ND	100	70-130			
Vanadium	153	10.0	ug/g	35.5	94.2	70-130			
Zinc	165	20.0	ug/g	46.4	94.7	70-130			
Semi-Volatiles									
Acenaphthene	0.101	0.02	ug/g	ND	89.4	50-140			
Acenaphthylene	0.091	0.02	ug/g	ND	80.7	50-140			
Anthracene	0.103	0.02	ug/g	ND	91.0	50-140			
Benzo [a] anthracene	0.131	0.02	ug/g	ND	116	50-140			
Benzo [a] pyrene	0.092	0.02	ug/g	ND	81.2	50-140			
Benzo [b] fluoranthene	0.102	0.02	ug/g	ND	89.8	50-140			
Benzo [g,h,i] perylene	0.097	0.02	ug/g	ND	86.1	50-140			
Benzo [k] fluoranthene	0.090	0.02	ug/g	ND	79.9	50-140			
Chrysene	0.106	0.02	ug/g	ND	93.4	50-140			
Dibenzo [a,h] anthracene	0.104	0.02	ug/g	ND	92.2	50-140			
Fluoranthene	0.108	0.02	ug/g	ND	95.1	50-140			
Fluorene	0.116	0.02	ug/g	ND	102	50-140			
Indeno [1,2,3-cd] pyrene	0.092	0.02	ug/g	ND	81.0	50-140			
1-Methylnaphthalene	0.112	0.02	ug/g	ND	99.1	50-140			
2-Methylnaphthalene	0.106	0.02	ug/g	ND	93.5	50-140			
Naphthalene	0.093	0.01	ug/g	ND	81.9	50-140			
Phenanthrene	0.112	0.02	ug/g	ND	99.5	50-140			
Pyrene	0.106	0.02	ug/g	ND	93.4	50-140			
Surrogate: 2-Fluorobiphenyl	*0.175*		*ug/g*		*74.4*	*50-140*			
Surrogate: Terphenyl-d14	*0.168*		*ug/g*		*74.2*	*50-140*			
Volatiles									
Benzene	3.02	0.02	ug/g	ND	75.1	60-130			
Ethylbenzene	3.06	0.05	ug/g	ND	76.0	60-130			
Toluene	3.09	0.05	ug/g	ND	77.3	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
m,p-Xylenes	5.96	0.05	ug/g	ND	74.4	60-130			
o-Xylene	3.10	0.05	ug/g	ND	77.2	60-130			
Surrogate: Toluene-d8	*8.09*		*ug/g*		*100*	*50-140*			

Qualifier Notes:

Sample Qualifiers :

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

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Chain Of Custody
(Lab Use Only)
№ 131350

Client Name:	Hallex Environmental Ltd.
Contact Name:	Contact: Kevin Christian
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Telephone:	Ph: 905-988-8030
Project Ref:	E-21-11-2
Quote #:	20-003
PO #:	
E-mail:	kchristian@hallex.ca jglasier@hallex.ca

Page 1 of 1

Turnaround Time
☐ 1 day ☐ 3 day
☐ 2 day ☒ Regular
Date Required:

Regulation 153/04
☐ Table 1 ☐ Res/Park ☐ Med/Fine
☐ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/Other
☐ Table
For RSC: ☐ Yes ☐ No

Other Regulation
☐ REG 558 ☐ PWQO
☐ CCME ☐ MISA
☐ SU - Sani ☐ SU - Storm
Mun:
☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	Grain Size	pH/SAR/EC
1	TP1-1	S		2	Apr 29	9 am	✓		✓	✓				1	
2	~~TP1-2~~ TP2-1			2			✓		✓	✓					
3	TP3-1			2			✓		✓	✓					
4	TP4-1			2			✓		✓	✓					
5	TP5-1			2			✓		✓	✓					
6	TP6-1			2			✓		✓	✓					✓
7	TP7-1			3			✓		✓	✓				✓	✓
8	TP8-1			2			✓		✓	✓					✓
9	TP8-1-1			2			✓		✓	✓					✓
10															

Comments:

Method of Delivery: walk in

Relinquished By (Sign):	Received By Driver/Depot: Niagara BHomenier	Received at Lab: AEB	Verified By: BHomenier
Relinquished By (Print): Daner Nylad	Date/Time: 29Apr21 1200	Date/Time: 30-Apr-21 8:55	Date/Time: 29Apr21 1400
Date/Time: April 29 2021 12am	Temperature: 10 °C	Temperature: 5.5 °C	pH Verified: ☐ By: NA

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Certificate of Analysis

Hallex Environmental Ltd.

4999 Victoria Ave
Niagara Falls, ON L2E 4C9
Attn: Kevin Christian

Client PO:
Project: E-21-11-12
Custody:

Report Date: 11-May-2021
Order Date: 6-May-2021

Order #: 2119362

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2119362-01	TP1-2
2119362-02	TP2-2
2119362-03	TP7-2

Approved By:

Alex Enfield, MSc
Lab Manager

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 11-May-2021

Order Date: 6-May-2021

Project Description: E-21-11-12

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	10-May-21	10-May-21
Solids, %	Gravimetric, calculation	7-May-21	10-May-21

Certificate of Analysis
Client: Hallex Environmental Ltd.
Client PO:

Report Date: 11-May-2021
Order Date: 6-May-2021
Project Description: E-21-11-12

Summary of Exceedances

(If this page is blank then there are no exceedances)

Only those criteria that a sample exceeds will be highlighted in red

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted have exceeded the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances. Regulatory limts displayed in brackets, (), applies to medium and fine textured soils.

Criteria:

Client ID	Analyte	MDL / Units	Result	Reg 153/04 (2011)-Table 8 Residential/Industrial, Potable

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 11-May-2021

Order Date: 6-May-2021

Project Description: E-21-11-12

	Client ID:	TP1-2	TP2-2	TP7-2	-	Criteria:	
	Sample Date:	04-Apr-2021	04-Apr-2021	04-Apr-2021	-		
	Sample ID:	2119362-01	2119362-02	2119362-03	-	Reg 153/04 (2011)-Table 8 Residential/Industrial, Potable	
	Matrix:	Soil	Soil	Soil	-		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	81.2	81.9	84.6	-		
Metals							
Antimony	1.0 ug/g	-	-	<1.0	-	1.3	ug/g
Lead	1.0 ug/g	-	-	13.0	-	120	ug/g
Nickel	5.0 ug/g	7.2	10.1	27.0	-	82	ug/g

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	ND	1.0	ug/g						
Arsenic	ND	1.0	ug/g						
Barium	ND	1.0	ug/g						
Beryllium	ND	0.5	ug/g						
Boron	ND	5.0	ug/g						
Cadmium	ND	0.5	ug/g						
Chromium	ND	5.0	ug/g						
Cobalt	ND	1.0	ug/g						
Copper	ND	5.0	ug/g						
Lead	ND	1.0	ug/g						
Molybdenum	ND	1.0	ug/g						
Nickel	ND	5.0	ug/g						
Selenium	ND	1.0	ug/g						
Silver	ND	0.3	ug/g						
Thallium	ND	1.0	ug/g						
Uranium	ND	1.0	ug/g						
Vanadium	ND	10.0	ug/g						
Zinc	ND	20.0	ug/g						

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	6.6	1.0	ug/g	7.6			15.2	30	
Barium	163	1.0	ug/g	169			4.0	30	
Beryllium	0.9	0.5	ug/g	0.9			2.5	30	
Boron	8.8	5.0	ug/g	10.4			16.5	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium	24.2	5.0	ug/g	26.7			9.8	30	
Cobalt	10.5	1.0	ug/g	11.5			9.0	30	
Copper	35.9	5.0	ug/g	37.6			4.5	30	
Lead	84.0	1.0	ug/g	85.6			1.8	30	
Molybdenum	1.1	1.0	ug/g	1.0			3.2	30	
Nickel	23.8	5.0	ug/g	24.7			3.7	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	0.4	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	35.2	10.0	ug/g	38.8			9.7	30	
Zinc	111	20.0	ug/g	112			1.2	30	
Physical Characteristics									
% Solids	89.9	0.1	% by Wt.	91.1			1.3	25	

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	140	1.0	ug/g	ND	112	70-130			
Arsenic	143	1.0	ug/g	7.6	109	70-130			
Barium	265	1.0	ug/g	169	76.6	70-130			
Beryllium	128	0.5	ug/g	0.9	101	70-130			
Boron	132	5.0	ug/g	10.4	97.7	70-130			
Cadmium	127	0.5	ug/g	ND	101	70-130			
Chromium	154	5.0	ug/g	26.7	102	70-130			
Cobalt	138	1.0	ug/g	11.5	101	70-130			
Copper	165	5.0	ug/g	37.6	102	70-130			
Lead	215	1.0	ug/g	85.6	103	70-130			
Molybdenum	133	1.0	ug/g	1.0	105	70-130			
Nickel	154	5.0	ug/g	24.7	103	70-130			
Selenium	131	1.0	ug/g	ND	104	70-130			
Silver	125	0.3	ug/g	ND	100	70-130			
Thallium	132	1.0	ug/g	ND	105	70-130			
Uranium	130	1.0	ug/g	ND	104	70-130			
Vanadium	165	10.0	ug/g	38.8	101	70-130			
Zinc	214	20.0	ug/g	112	81.6	70-130			

PARACEL LABORATORIES LTD.

Order #: 2119362

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 11-May-2021

Order Date: 6-May-2021

Project Description: E-21-11-12

Qualifier Notes:

None

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated
Soil/Solid results are reported on a dry weight basis unless otherwise indicated
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

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Paracel ID: 2119362

Chain Of Custody
(Lab Use Only)

Client Name:	Hallex Environmental Ltd.	Project Ref: E-21-11-2	Page 1 of 1
Contact Name:	Kevin Christian	Quote #:	**Turnaround Time**
Address:	4999 Victoria Ave. Niagara Falls, ON L2E 4C9	PO #:	☐ 1 day ☒ 3 day ☐ 2 day ☐ Regular
Telephone:	905-988-8030	E-mail: kchristian@hallex.ca jglasier@hallex.ca	Date Required: April 11 (END OF DAY

Regulation 153/04: ☐ Table 1 ☒ Res/Park ☐ Med/Fine ☐ Table 2 ☐ Ind/Comm ☒ Coarse ☐ Table 3 ☐ Agri/Other ☒ Table 8 — For RSC: ☐ Yes ☐ No

Other Regulation: ☐ REG 558 ☐ PWQO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm — Mun: ☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	Metals Only Nickel	Metals Only	Antimony	Metals Only Lead		
1	TP1-2	S		1	4-29	10	☐	☐	☐	☐	☐	☐	☐	✓	☐	☐	☐	☐	☐
2	TP2-2	S		1	4-29	10	☐	☐	☐	☐	☐	☐	☐	✓	☐	☐	☐	☐	☐
3	TP7-2	S		1	4-29	10	☐	☐	☐	☐	☐	☐	☐	✓	☐	✓	✓	☐	☐
4							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analysis

Comments:

Method of Delivery: walkin

Relinquished By (Sign):	Received By Driver/Depot: Niagara BHomenuk	Received at Lab: ABB	Verified By: BHomenuk
Relinquished By (Print): Damen Nyland	Date/Time: 6May21 1030	Date/Time: 7-Nov-21 15:30	Date/Time: 10May21 1100
Date/Time: May 6, 2021	Temperature: 4 °C	Temperature: 9.4 °C	pH Verified: ☐ By: NA

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Certificate of Analysis

Hallex Environmental Ltd.

4999 Victoria Ave
Niagara Falls, ON L2E 4C9
Attn: Kevin Christian

Client PO:
Project: E-21-11-3
Custody: 58032/035

Report Date: 19-May-2021
Order Date: 12-May-2021

Order #: 2120311

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID	Paracel ID	Client ID
2120311-01	TP9-1		
2120311-02	TP10-1		
2120311-03	TP11-1		
2120311-04	TP12-1		
2120311-05	TP13-1		
2120311-06	TP14-1		
2120311-07	TP15-1		
2120311-08	TP16-1		
2120311-09	TP17-1		
2120311-10	TP18-1		
2120311-11	TP19-1		
2120311-12	TP20-1		

Approved By:

Alex Enfield, MSc
Lab Manager

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 19-May-2021

Order Date: 12-May-2021

Project Description: E-21-11-3

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	14-May-21	14-May-21
Solids, %	Gravimetric, calculation	13-May-21	14-May-21

Certificate of Analysis
Client: Hallex Environmental Ltd.
Client PO:

Report Date: 19-May-2021
Order Date: 12-May-2021
Project Description: E-21-11-3

Summary of Exceedances

(If this page is blank then there are no exceedances)

Only those criteria that a sample exceeds will be highlighted in red

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted have exceeded the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances. Regulatory limts displayed in brackets, (), applies to medium and fine textured soils.

				Criteria:
Client ID	**Analyte**	**MDL / Units**	**Result**	**Reg 153/04 (2011)-Table 8 Residential/Industrial, Potable**
TP12-1	Nickel	5.0 ug/g	139	82 ug/g
TP14-1	Nickel	5.0 ug/g	173	82 ug/g

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 19-May-2021

Order Date: 12-May-2021

Project Description: E-21-11-3

	Client ID:	TP9-1	TP10-1	TP11-1	TP12-1	Criteria:
	Sample Date:	12-May-2021	12-May-2021	12-May-2021	12-May-2021	
	Sample ID:	2120311-01	2120311-02	2120311-03	2120311-04	Reg 153/04 (2011)-Table 8 Residential/Industrial, Potable
	Matrix:	Soil	Soil	Soil	Soil	
	MDL/Units					
Physical Characteristics						
% Solids	0.1 % by Wt.	76.1	72.7	79.7	77.9	
Metals						
Nickel	5.0 ug/g	23.8	34.7	42.0	139	82 ug/g

PARACEL LABORATORIES LTD.

Order #: 2120311

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 19-May-2021

Order Date: 12-May-2021

Project Description: E-21-11-3

	Client ID:	TP13-1	TP14-1	TP15-1	TP16-1	Criteria:	
	Sample Date:	12-May-2021	12-May-2021	12-May-2021	12-May-2021		
	Sample ID:	2120311-05	2120311-06	2120311-07	2120311-08	Reg 153/04 (2011)-Table 8 Residential/Industrial, Potable	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	94.2	81.2	79.3	79.2		
Metals							
Nickel	5.0 ug/g	30.2	173	62.2	21.1	82	ug/g

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 19-May-2021

Order Date: 12-May-2021

Project Description: E-21-11-3

	Client ID:	TP17-1	TP18-1	TP19-1	TP20-1	Criteria:	
	Sample Date:	12-May-2021	12-May-2021	12-May-2021	12-May-2021		
	Sample ID:	2120311-09	2120311-10	2120311-11	2120311-12	Reg 153/04 (2011)-Table 8 Residential/Industrial, Potable	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	72.6	81.0	79.7	83.9		
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1.3	ug/g
Lead	1.0 ug/g	52.4	20.2	17.9	48.0	120	ug/g
Nickel	5.0 ug/g	27.2	29.7	27.6	59.7	82	ug/g

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	ND	1.0	ug/g						
Arsenic	ND	1.0	ug/g						
Barium	ND	1.0	ug/g						
Beryllium	ND	0.5	ug/g						
Boron	ND	5.0	ug/g						
Cadmium	ND	0.5	ug/g						
Chromium	ND	5.0	ug/g						
Cobalt	ND	1.0	ug/g						
Copper	ND	5.0	ug/g						
Lead	ND	1.0	ug/g						
Molybdenum	ND	1.0	ug/g						
Nickel	ND	5.0	ug/g						
Selenium	ND	1.0	ug/g						
Silver	ND	0.3	ug/g						
Thallium	ND	1.0	ug/g						
Uranium	ND	1.0	ug/g						
Vanadium	ND	10.0	ug/g						
Zinc	ND	20.0	ug/g						

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	5.5	1.0	ug/g	5.1			7.7	30	
Barium	25.3	1.0	ug/g	25.1			1.0	30	
Beryllium	0.5	0.5	ug/g	ND			NC	30	
Boron	11.5	5.0	ug/g	8.6			29.6	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium	14.1	5.0	ug/g	14.3			1.0	30	
Cobalt	9.2	1.0	ug/g	9.0			1.9	30	
Copper	31.8	5.0	ug/g	33.0			3.7	30	
Lead	13.7	1.0	ug/g	12.8			7.0	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	17.5	5.0	ug/g	17.3			0.9	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	ND	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	24.4	10.0	ug/g	24.2			0.8	30	
Zinc	46.3	20.0	ug/g	46.8			1.1	30	
Physical Characteristics									
% Solids	81.0	0.1	% by Wt.	80.8			0.3	25	

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	130	1.0	ug/g	ND	104	70-130			
Arsenic	144	1.0	ug/g	5.1	111	70-130			
Barium	155	1.0	ug/g	25.1	104	70-130			
Beryllium	127	0.5	ug/g	ND	102	70-130			
Boron	130	5.0	ug/g	8.6	97.4	70-130			
Cadmium	131	0.5	ug/g	ND	104	70-130			
Chromium	144	5.0	ug/g	14.3	104	70-130			
Cobalt	138	1.0	ug/g	9.0	103	70-130			
Copper	163	5.0	ug/g	33.0	104	70-130			
Lead	139	1.0	ug/g	12.8	101	70-130			
Molybdenum	132	1.0	ug/g	ND	106	70-130			
Nickel	147	5.0	ug/g	17.3	104	70-130			
Selenium	135	1.0	ug/g	ND	108	70-130			
Silver	136	0.3	ug/g	ND	109	70-130			
Thallium	127	1.0	ug/g	ND	102	70-130			
Uranium	125	1.0	ug/g	ND	99.7	70-130			
Vanadium	153	10.0	ug/g	24.2	103	70-130			
Zinc	175	20.0	ug/g	46.8	102	70-130			

PARACEL LABORATORIES LTD.

Order #: 2120311

Certificate of Analysis

Client: Hallex Environmental Ltd.

Client PO:

Report Date: 19-May-2021

Order Date: 12-May-2021

Project Description: E-21-11-3

Qualifier Notes:

None

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated
Soil/Solid results are reported on a dry weight basis unless otherwise indicated
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE. RELIABLE.

Paracel ID: 2120311

Chain Of Custody
(Lab Use Only)
№ 58032

Page 1 of 2

Client Name:	Project Ref: E-21-11-3
Contact Name: Hallex Environmental Ltd.	Quote #:
Address: Contact: Kevin Christian 4999 Victoria Ave. Niagara Falls, ON L2E 4C9	PO #: kchristian@hallex.ca E-mail: jglasier@hallex.ca
Telephone: Ph: 905-988-8030	

Turnaround Time
☐ 1 day ☐ 3 day
☐ 2 day ☑ Regular
Date Required:

Regulation 153/04
☐ Table 1 ☑ Res/Park ☐ Med/Fine
☐ Table 2 ☐ Ind/Comm ☑ Coarse
☐ Table 3 ☐ Agri/Other
☑ Table 8
For RSC: ☐ Yes ☐ No

Other Regulation
☐ REG 558 ☐ PWQO
☐ CCME ☐ MISA
☐ SU - Sani ☐ SU - Storm
Mun:
☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	Nickel (Metal)	Lead (Metal)	Antimony (Metal)
1	TP 9 - 1	S		1	May 12	9am	✓		
2	TP 9/10 - 1	S		1			✓		
3	TP 11 - 1	S		1			✓		
4	TP 12 - 1	S		1			✓		
5	TP 13 - 21	S		1			✓		
6	TP 14 - 1	S		1			✓		
7	TP 15 - 1	S		1			✓		
8	TP16 - 1	S		1			✓		
9	TP17 - 1	S		1			✓	✓	✓
10	TP 18 - 1	S		1	↓	↓	✓	✓	✓

Comments:

Method of Delivery: WALK-IN

Relinquished By (Sign): Damon Nyland	Received By Driver/Depot: Niagara BHamelin	Received at Lab: 403	Verified By: BHamelin
Relinquished By (Print): Damon Nyland	Date/Time: 12 May 21 1200	Date/Time: 13-May-21 5:30	Date/Time: 2 May 21 1400
Date/Time: May 12 11 am	Temperature: 13 °C	Temperature: 9.8 °C	pH Verified: ☐ By: NA

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Hea
300
Otta
p: 1
e: p
ww

Paracel ID: 2120311

Chain Of Custody
(Lab Use Only)
№ 58035

Client Name:		Project Ref: E-21-11-3	Page 2 of 2
Contact Name:	Hallex Environmental Ltd.	Quote #:	**Turnaround Time**
Address:	Contact: Kevin Christian 4999 Victoria Ave. Niagara Falls, ON L2E 4C9	PO #:	☐ 1 day ☐ 3 day ☐ 2 day ☐ Regular
Telephone:	Ph: 905-988-8030	E-mail: kchristian@hallex.ca jglasier@hallex.ca	Date Required:

Regulation 153/04	Other Regulation
☐ Table 1 ☑ Res/Park ☐ Med/Fine	☐ REG 558 ☐ PWQO
☐ Table 2 ☐ Ind/Comm ☑ Coarse	☐ CCME ☐ MISA
☐ Table 3 ☐ Agri/Other	☐ SU - Sani ☐ SU - Storm
☑ Table 6	Mun:
For RSC: ☐ Yes ☐ No	☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	Required Analysis: Nickel (Total)	Lead (metal)	Antimony (metal)
1	~~TP19~~ TP19-1	S		1	May 12	9 am	✓	✓	✓
2	TP20-1	S		1	↓	↓	✓	✓	✓
3									
4									
5									
6									
7									
8									
9									
10									

Comments:

Method of Delivery: walkin

Relinquished By (Sign):	Received By Driver/Depot: Niagara	Received at Lab: AGB	Verified By:
Relinquished By (Print): Dawn Nyland	Date/Time: 12 May 21 1200	Date/Time: 13-May-21 5:30	Date/Time: 12 May 21 1400
Date/Time: May 12, 11am	Temperature: 13 °C	Temperature: 9.8 °C	pH Verified: ☐ By: NA