PHASE 1 ENVIRONMENTAL SITE ASSESSMENT
308 FOUR CREEK ROAD,
NIAGARA-ON-THE-LAKE (ST. DAVID'S), ON
AUGUST 2, 2023
Draft

Prepared for:

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Distribution:

1 Copy – **The Client**
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1.0 EXECUTIVE SUMMARY

At the request of Mr. Rainer Hummel of Hummel Properties Inc (the Client), a Phase I Environmental Site Assessment Update was conducted of a site (the 'Site') located at 308 Four Mile Creek Road, Niagara on the Lake (St Davids), Ontario.

The update was conducted to meet the requirements set out in Schedule D Phase One Environmental Site Assessments of the Ministry of Environment Conservation and Park's (MECP) O. Reg 511/09, in order to that a Record of Site Condition can be filed. determine if met were met. The procedure involved: a review of available previous environmental assessments to determine if they meet the Schedule D requirements; a review of applicable records and site reconnaissance to determine if there any material changes since the last work of the most recent Phase I ESA; and, provide supplemental information, as required, to meet Schedule D for the submission of a RSC.

The Phase I Study Area (SA) was set at 250 m.

(i) Current and Past Uses

The Site is mostly undeveloped except for a single detached house at the south part of the Site which was erected circa 1965 and is currently occupied for residential use. Four Mile Creek meanders through the Site from the east side to the west side and then north exiting at the northwest corner of the Site

The portion of the Site which is south and west of Four Mile Creek which runs through the property, has historically been used for agricultural use as orchards from at least 1934 till about the 1980s when most of the land was left as open field.

The portion of the Site north and east of Four Mile Creek was owned by the former cannery operation on the east side of Four Mile Creek Road and as early as 1934 had several buildings on it that were used to house migrant workers until about 1965 when the area was cleared for a gravel parking pad. The pad was used to store recreational vehicle trailers from 2013 till 2020 and has remained vacant and undeveloped since then.

(ii) Potentially Contaminating Activity

The following potentially contaminating activities were identified in the Phase One Property:

- PCA #1 - The former use of the portion of the phase one property west and south of Four Mile Creek and the portion of the Phase One property along the north side east of Four Mile Creek as an orchards indicates there may have been pesticides used on the phase one property (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications). The soil on the portion of the

Phase One property along the north side east of Four Mile Creek was sampled and analyzed for OC pesticides and metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

- PCA #2 – The potential historical presence of a former fuel oil storage tank located on the south side of house at the south portion of the property (Item #28. Gasoline and Associated Products Storage in Fixed Tanks).
- PCA #3 – It was reported that after the buildings were removed on the portion of the Phase One Property north and east of the Four Mile Creek some foundry sand was placed to level parking area (Item #30 Importation of Fill Material of Unknown Quality). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.
- PCA #4 – It was reported that one the buildings on the portion of the Phase One Property north and east of the Four Mile Creek burned down (Item #NOS Not Otherwise Specified). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals and PAHs in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.
- PCA #5 – The portion of the Phase One Property north and east of the Four Mile Creek has historically been used as a parking pad and therefore there is potential SAR and EC impacts to the surface soil from possible de-icing activities with salt (Item #NOS Not Otherwise Specified). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals and SAR and EC in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

Potentially contaminating activities in the phase one study area are:

- PCA #6 - Former and current agriculture on properties within the study area (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications).
- PCA #7 - There were several fuel storage tanks, both aboveground and underground located on the adjacent property to the east of the phase one property, 329 Four Mile Creek Road. It seems that some tanks had been decommissioned but the details and any analytical data were not available. (Item #28. Gasoline and Associated Products Storage in Fixed Tanks).
- PCA #8 - Presence of four (4) aboveground fuel storage tanks located on the portion of the property to the east of the phase one property. (Item #28. Gasoline and Associated Products Storage in Fixed Tanks). The PCA is downgradient od the Phase One Property and the property was remediated in 2019 to Table 2 SCS, upon which a RSC for residential use was filed with MECP.
- PCA #9 – Electrical transformer (former PCB containing) on the adjacent property located east of the phase one property, 365 Four Mile Creek Road.

Item # 55 Transformer Manufacturing, Processing and Use. However, there is no evidence to indicate that it is an area of potential environmental concern on the phase one property. Although it is within the 250-meter study area, it is approximately 190m northeast of the phase one property and the inferred groundwater flow is northerly away from the phase one property.

(iii) Areas of Potential Environment Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA	Contaminants of Concern	Media Potentially Impacted
APEC #1 Former orchard on the phase one property	The portion of the Phase Ohe Property west and south of Four Mile Creek	40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-site and off-site	OC pesticides and metals	Soil
APEC #2 Former fuel storage tank	Located south of the south wall of the house at the south end of the Phase One Property.	. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.	On-Site	BTEX and PHC	Soil and groundwater
APEC #3 Former fuel storage tanks	The portion of the Phase Ohe Property west and south of Four Mile Creek	. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.	Off-Site	BTEX and PHC	Soil and groundwater

A Phase II Environmental Site Assessment is required to assess the APECs before a Record of Site Condition can be submitted with respect to the phase one property.

2.0 INTRODUCTION

(a) Phase I Property Information

Table 1a: Site Information	
Municipal Address	308 Four Mile Creek Road, St. David's
Property Description and Property Identification Number (PIN)	Part 1 Plan of Part Township Lot 89, Geographic Township of Niagara, Town of Niagara-on-the-Lake, Regional Municipality of Niagara. . , being all of PIN 46372-0721(LT).
Registered Owner	Hummel Properties Inc.
Zoning	'RD17' – Residential Development
Site Area/Shape	Irregular
Frontage	216.586
Depth	88.632

Table 1b: Contact Information	
Item	**Site Owner**
Organization	Hummel Properties Inc.
Contact	Rainer Hummel
Title	President
Address	P.O. Box 612, St. David's, Ontario L0S 1P0
Phone	905-262-0346

Table 1c: Client Information	
Item	**Site Owner**
Organization	Hummel Properties Inc.
Contact	Rainer Hummel
Title	President
Address	P.O. Box 612, St. David's, Ontario L0S 1P0
Phone	905-262-0346

3.0 SCOPE OF INVESTIGATION

3.1 Purpose

This P1-ESA was carried out in accordance with Part VII of the Ministry of Environment's O. Reg 511/09 and the requirements set out in Schedule D Phase One Environmental Site Assessments .

The general objectives of the PI-ESA are:

- To develop a preliminary determination of the likelihood that one or more contaminants have affected land or water on, in or under the phase one property.
- To determine the need for a phase two environmental site assessment
- To provide a basis for carrying out any phase two environmental assessment required.
- To provide adequate preliminary information about environmental conditions in the land or water, in or under the phase one property for the conduct of a risk assessment following completion of a phase two environmental site assessment.

3.2 Scope

The update was conducted to meet the requirements set out in Schedule D Phase One Environmental Site Assessments of the Ministry of Environment Conservation and Park's (MECP) O. Reg 511/09, in order to that a Record of Site Condition can be filed. determine if met were met. The Phase I Study Area (SA) was set at 250 m.

The Phase I ESA Update scope of work included:

- A review of available previous environmental assessments to determine if they meet the Schedule D requirements;
- A review of applicable records and site reconnaissance to determine if there any material changes since the last work of the most recent Phase I ESA;
- Provide supplemental information, as required, to meet Schedule D for the submission of a RSC.
- An evaluation of the information gathered from the records review, interviews, and the site reconnaissance.
- A phase one conceptual site model
- Conclusions determining whether a phase two environmental site assessment is required before a record of site condition can be submitted.

3.3 Disclosure of Interest

The author does not have any material interest, direct or indirect, in the Site or the Client. Except for remuneration and information research fees received for the performance of this assessment, the author will not receive any profit or specialized information from the Client that would benefit the author.

3.4 Limitations and Use of this Report

The data reported and the findings, observations, and conclusions expressed in this report are limited by the Scope of Work.

The author has conducted this assessment in accordance with generally accepted professional practices, as performed at the same or similar locations related to the nature of this assigned work. The author's services are not subject to any expressed or implied warranties whatsoever.

The author has accepted information provided by third parties in good faith, but has not completed independent evaluations as to the accuracy or completeness of such information, and shall therefore not be responsible for any errors or omissions contained in such information.

The Site inspection pertaining to this assessment, and associated findings, observations, and opinions, are based solely on the Site conditions encountered at the time of the investigation. Changes in conditions may occur after the completion of this investigation. The passage of time, manifestation of latent conditions, or future events, may require further study, analysis of data, and re-evaluation of the findings, observations, and conclusions in this report.

This report is provided as a measure of due diligence and to assess risks with respect to environmental soil impairment, but it should not be considered as exhaustive or absolute in coverage; no investigation can totally eliminate the possibility that environmental impairment may exist at a site.

Regulatory requirements or their interpretations may be revised by the governing agencies, resulting in future changes to the recommended works, or remediation needs.

The conclusions presented in this report are professional opinions based upon data and conditions described herein. They are intended only for the purpose, site, and project indicated. This report is not a definitive study of contamination at the site, and should not be interpreted as such. A qualitative evaluation of soil conditions was not performed as part of this investigation. No sampling or chemical analyses of structural materials or other equipment, processes, or related media was performed in this study unless explicitly stated.

This report presents professional opinions and findings of a scientific and technical nature. Because of the stated limitations, the findings, observations, opinions and conclusions expressed by the author in this report are not, nor should not be, considered an opinion concerning the compliance of any past or present owner of the site, with any Federal, Provincial, or municipal law or regulation.

The report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of Federal, Provincial or local government agencies.

The author has prepared this report for the exclusive use of the Client. This report shall not be used or relied upon by outside parties without the written consent of the author. Any use of this report constitutes acceptance of the limits of liability that may apply to the author. Any such liability extends only to the client of the author and not to any other parties who may obtain the report.

If new information or conditions of concern are discovered during future work, including Site assessments, excavations, borings, or other studies, the author should be requested to re-evaluate the assessments and conclusions presented in this report and to provide amendments as required.

4.0 RECORDS REVIEW

(a) General

(i) Phase One Study Area Determination

The Phase I Study Area (SA) was set at 250 m. The general area beyond the study area is rural and there was no evidence of significant sources of potential contamination within a kilometer of the Site. Therefore, properties beyond 250 m of the site were not considered part of the Phase I Study Area.

(ii) First Developed Use Determination

According to the aerial photographs, land title search and information taken from interviews the first developed use of the phase one property was prior to 1934 for agricultural purposes.

(iii) Fire Insurance Plans

Available fire insurance programs (FIP) at Brock University Library were reviewed. There were no fire insurance plans (FIP) available for review for the phase one study area.

(iv) Chain of Title

A chain of title for the portion of the Site south and west of Four Mile Creek was previously carried out by Ms. Carolyn Baer and offers the following information:

Year	Name of Owner
Prior to 1867	James Currie
1867 to 1901	David J Lowry
1901 to1915	Edwin David Lowry
1915 to 1953	Rose Evelyn Lowry
1953 to 2014	Lorne Frederick Niven and Marian Alice Niven
2014 to present	Sleek Developments Inc.

Please note: The Chain of Title for the portion of the Site north and east of Four Mile Creek has not yet been completed and is pending.

(v) Environmental Reports

A report entitled "PHASE ONE ENVIRONMENTAL SITE ASSESSMENT, 308 Four Creek Road, Niagara-on-the-Lake (St. David's), ON", dated November 13, 2017, and prepared by DML Environmental Services Ltd. for Hummel Properties Inc. was reviewed. The Phase One property covered in the DML Phase I only covered the west portion of the Phase One Property as defined in this assessment. The findings of the report area summarized as follows:

"Current and Past Uses

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Prior to 1867	James Currie	Agricultural or other use	Agricultural or other use	Land Title Search
1867 to 1901	David J Lowry	Agricultural or other use	Agricultural or other use	Land Title Search
1901 to 1915	Edwin David Lowry	Agricultural or other use	Agricultural or other use	Land Title Search
1915 to 1953	Rose Evelyn Lowry	Agricultural or other use	Agricultural or other use	Vivian Augusta acquired a portion of the phase one property from Charles M Lowry along with Henry Evans Lowry and Edwin David Lowry. The land was transferred back to Edwin David Lowry the same day that Edwin transferred the land to Rose Evelyn Lowry (land title search).
1953 to 2014	Lorne Frederick Niven and Marian Alice Niven	Agricultural or other use	Agricultural or other use	From 1961 to 1986 the phase one property was in the name of The Director of Veterans Land Act until the land was returned to Lorne and Marian. (Land Title Search)
2014 to present	Sleek Developments Inc.	Agricultural or other use	Agricultural or other use	Land Title Search

Potentially contaminating activities on the phase one property are:

1. *The former use of the phase one property as a farm. Item #40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large Scale Application.*
2. *Fuel oil spills on the south side of the house. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.*

Potentially contaminating activities in the phase one study area are:

3. *Former and current agriculture on properties within the phase one study area. Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.*
4. *There were a number of fuel storage tanks, both aboveground and underground located on the adjacent property to the east of the phase one property, 329 Four Mile Creek Road. Apparently some tanks had been decommissioned but the details and any analytical data were not available. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.*

- *PCA #1 - The former use of the phase one property as an orchard indicates*

Areas of Potential Environmental Concern

Area of Potential Environmental Concern	**Location of Area of Potential Environmental Concern on Phase One Property**	**Potentially Contaminating Activity**	**Location of PCA**	**Contaminants of Concern**	**Media Potentially Impacted**
APEC #1 Former orchard on the phase one property	Entire phase one property	40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-site	OC Pesticides	Soil and Groundwater
APEC #2 Former heating oil tank in the basement – potential spills outside in the fill area	Southern portion of the phase one property next to the house,	28. Gasoline and Associated Products Storage in Fixed Tanks	On-site	Petroleum Hydrocarbons & BTEX	Soil and Groundwater
APEC #3 Former agriculture on properties within the phase one study area	Entire phase one property	40. Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Off-Site	OC Pesticides	Groundwater
APEC #4 Under ground fuel storage tanks within the phase one study area	East portion of phase one property	28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Petroleum Hydrocarbons & BTEX	Groundwater

The site reconnaissance, evaluation of environmental reports and records review and assessment of the information obtained through interviews all lead to the conclusion that one or more contaminants resulting from past uses of the phase one property or impacts from off-site activities may have affected the land or water on, in or under the phase one property. Therefore a phase two environmental site assessment is recommended before a record of site condition may be submitted with respect to the phase one property.

There is no uncertainty or an absence of information obtained in each of the components of the phase one environmental site assessment which would affect the conclusion.

"A report entitled "SOIL QUALITY ASSESSMENT, 308 Four Creek Road, Niagara-on-the-Lake (St. David's), ON", dated January 3, 2022, and prepared by A. Breberina P. Geo. for Hummel Properties Inc. was reviewed. The report is summarized as follows:

"The former shallow field stone foundations, other residual surface structures, gravel base and sub-base materials and surface soils were removed off site from the portion of 308 Four Mile Creek Road that lies east of the former Four Mile Creek bed. The purpose of the program is to assess the environmental quality of surface soils to determine if they are suitable for the intended use.

It is understood, that Site was formerly owned by a former fruit cannery which had a plant on the east side Four Mile in the surface granular fill. A review of historical aerial photographs was conducted, and the residential buildings were identified as far back on a 1934 photograph, which also showed orchard use along the north portion of the Site. Subsequent photographs also identified the Site being used for Creek Road, and the Site had a couple of older buildings on the Site dating back to at least the 1930s that were used house temporary workers. One of buildings was reported to have burned down and some foundry sand was noted parking lot in the early 2000s and storage area for new and used house trailers. Based on this cursory historical review of PCAs on the Site the following CoCs in the surface soil: metals and inorganics; petroleum hydrocarbons (PHC); benzene, toluene, ethylbenzene and xylenes (BTEX); polyaromatic hydrocarbons (PAHs) and organo-chlorinated (OC) pesticides.

- *10 surface soil samples were taken on December 6, 2021, with a handheld stainless-steel auger a depths of between 0 to 30 cm in depth below grade surface at representative locations in the cleared area on the Site.*
- *Soil samples were submitted to a certified laboratory for analysis as follows: 10 of the samples (A1201, 1202 and A1204 to A1211) were analyzed for metals and inorganics, PHC and BTEX; 7 of the soil samples from around the building areas were analyzed for PAHs; 3 of the samples from the north end of the Site were analyzed for OC Pesticides; and, a composite sample (A1200) was submitted for soil texture determination. One soil sample (A1203 of A1201 for metals, inorganics, PHC, BTEX and OC pesticides; and A1212 of A1211 for PAHs) for each parameter was also selected for analysis for QA/QC purposes.*
- *The analytical results were compared to the MOECC, Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act." Table 8, Generic Site Conditions Standards for Use within 30 m of a Water Body in a*
- *Soil encountered were a brown silty clay. Laboratory grain size analysis determined the soil to be fine to medium textured in accordance with O. Reg.153/04.*
- *All surface soil samples of the cleared area meet the Table 8 SCS for metal, inorganics, PHC, BTEX, OC pesticides and PAHs. Soil conditions consisted of approximately 0.6m of gravel and sand overlaying brown clay with some silt.*

No other environmental reports were identified or reported.

(vi) Other Reports Relating Potential Contamination or APEC on or under the Phase One Property

Ecolog Eris Report

A previous request was made to Risk Management Services to conduct an Environmental Risk Information Service (ERIS) review of the phase one property and properties within a 300-metre radius of the phase one property. An ERIS Report is a unique detailing of historical environmental information for any property in Canada. The report researches,

tabulates and identifies key federal, provincial as well as private sector databases to pinpoint any environmental elements. An assessment of 63 public and private source databases is performed and the data summarized. Seven (7) records were found for the phase one property and thirteen (13) of the sixty-three (63) databases were located within 300 meters of the phase one property.

The following is a summary of the databases found on the phase one property.

- Water Well Information System

After reviewing these databases no environmental concerns were identified that would affect the property. The well was drilled in 1959 as a test hole into the bedrock of red shale at 102' deep. Detailed information on these records is included in the Eco Log ERIS report attached in the appendices.

The following is a summary of the databases found within 300m of the phase one property.

- Borehole
- Certificates of Approval
- Environmental Registry
- Environmental Compliance Approval
- ERIS Historical Searches
- Ontario Regulation 347 Waste Generators Summary
- Non-Compliance Reports
- National Pollutant Release Inventory
- Ontario Regulation 347 Waste Receivers Summary
- Record of Site Condition
- Scott's Manufacturing Directory
- Ontario Spills
- Water Well Information System

The property approximately 22 metres east of the phase one property is 329 & 365 Four Mile Creek Road. There are several records for this site including, Environmental Registry, Non-Compliance Reports, National Pollutant Release Inventory, Ontario Regulation 347 Waste Generators Summary, Scott's Manufacturing Directory, and Ontario Spills. There was a spill at 329 Four Mile Creek Rd. on August 23, 2007, where an unknown quantity of oil (petroleum based, not specified) was spilled to Four Mile Creek. The ERIS report inferred a possible environmental impact for surface water pollution. There are several listings in the

MOECC Ontario Regulation 347 Waste Generator database for this location. The waste class codes listed include the following;

- Waste Oils and Lubricants, Paint/Pigment/Coating Residues
- Inorganic Laboratory Chemicals
- Alkaline Wastes – Heavy Metals
- Alkaline Wastes – Other Metals
- Other Specified Organics
- Petroleum Distillates
- Emulsified Oils
- Oil Skimmings and Sludges
- PCB's.
- Waste Compressed Gases
- Detergents/Soaps
- Graphic Art Wastes
- Acid Waste – Other Metals
- Amines
- Reactive Anion Waste

The property approximately 68 metres north-northeast of the phase one property is 358 Four Mile Creek Road. There are several records for this site including: Certificate of Approval Environmental Registry, Ontario Regulation 347 Waste Generators Summary, Scott's Manufacturing Directory, and Record of Site Condition. The property was remediated to the Table 2 and 8 for residential site condition standards in 2020 and is downgradient of the Site, and therefore not considered to represent any areas of potential environmental concern.

(b) Environmental Source Information

(i) National Pollutant Release Inventory (NPRI)

The NPRI data base searched for records in the study area. The phase one property was not listed under the NPRI. The property to the east at 329 Four Mile Creek Road was list on the NPRI for air emissions between 2004 and 2007.

(ii) Ontario Inventory of PCB Storage Sites (October 1992)

A search of the Ontario Inventory of PCB Storage Sites (1992) did identify any properties in the study area.

(iii) Certificates of Approval, Permits to Take Water, Certificates of Property Use and similar instruments

No Certificates of Approval, Permits to Take Water, Certificates of Property Use or similar instruments were identified on the Phase One Study or adjacent properties.

(iv) Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario

The MOE's 'Inventory of Industrial Sites Producing or Using Coal Tar or Related Tars in Ontario, November, 1988' was reviewed and no such facilities were identified within the Study Area.

(v) Records concerning reported violations, prosecutions, or clean-up orders, past or present, with respect to environmental regulations pertaining to the Site.

There are no reported violations, prosecutions, or clean-up orders, past or present, with respect to environmental regulations, pertaining to the Site.

(vi) Waste Management Records

Based on a review of the MOE's HWIN, the phase one property was not identified as a waste generators or receivers.

The property to the east of and upgradient of the property at 329 Four Mile Creek Road was registered generator between 1992 and 2012 of waste classes: 113 - acid waste - other metals; 121 - alkaline wastes - heavy metals; 122 - alkaline wastes - other metals; 135 - reactive anion wastes; 145 - paint/pigment/coating residues; 146 - other specified inorganics; 148 - inorganic laboratory chemicals 213 - petroleum distillates: 243 – PCBs; 251 - oil skimmings & sludges: 252 - waste oils & lubricants: 253 - emulsified oils; 262 - detergents/soaps: 265 - graphic art wastes; and 331 – compressed gases.

The property to the north of and downgradient of the property at 359 Four Mile Creek Road was registered generator in 2005 of waste classes: 145 - paint/pigment/coating residues; 148 - inorganic laboratory chemicals: 252 - waste oils & lubricants: 263 - organic laboratory chemicals; and 331 – compressed gases.

A property to the north of and downgradient of the property at 359 Four Mile Creek Road was registered generator in 2005 of waste classes: 145 - paint/pigment/coating residues; 148 - inorganic laboratory chemicals: 252 - waste oils & lubricants: 263 - organic laboratory chemicals; and 331 – compressed gases.

At 365 Four Mile Creek Road located 161 m north-northeast and downgradient of the Site, Rondar Inc. was listed as a O. Reg. 347 waste receiver between 1993 to 1998 and 2006 to 2008 of waste classes: 243 – PCBs and 252 - waste oils & lubricants.

(vii) Reports submitted to the Ministry related to environmental conditions

There are no reports regarding the Site, past or present, submitted to the Ministry related to environmental conditions.

(viii) Retail Fuel Storage Tanks maintained by the Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA), which maintains licenses of storage tanks under the Gasoline Handling Act and the Fuel Safety Act, was contacted regarding records of such tanks on the Phase One Property.

(ix) Notices and Instruments, including RSCs, posted in the Registry

No Notices and Instruments, including RSCs, posted in the Registry were identified on the Phase One Property.

There is an RSC on the property to the north at 358 Four Mile Creek Road. The property was remediated to the Table 2 and 8 for residential site condition standards in 2020 and is downgradient of the Site, and therefore not considered to represent any areas of potential environmental concern.

(x) Areas of Natural and Scientific Interest (ANSIs)

The Ontario Ministry of Natural Resources ANSI map was reviewed and no ANSIs were identified on the phase one property or within one kilometer of the property.

(xi) Waste Disposal Inventory

The MOE's 'Waste Disposal Site Inventory, June, 1988' was reviewed and the Site. No such sites were identified within phase one study area.

(xii) Town of Niagara on the Lake's Zoning By-law

In accordance with the Town of Niagara on the Lake's zoning by- laws , the area around Four Mile Creek valley is zoned 'OS' – open space, the south part of the Site is zoned 'R1' – residential, and the portion of the Site north and east of Four Mile Creek is zoned 'E' – enterprise.

(c) Physical Setting Sources

(i) Aerial Photographs

Aerial photographs from 1934, 1954, 1965, 1968, 1972 1978, 1981, 2000, 2002, 2006, 2010, 2013, 2015, 2018, 2020 and 2022 obtained from Brock University and Niagara Navigator were reviewed.

The rationale for the time between aerial photographs referenced is based on photo clarity for a more accurate documentation of changes in property use. The earliest aerial photograph available was 1934 from the Brock University Map Library digital photographs.

The 1934 aerial photograph shows one large and four smaller buildings on the portion of the Site northeast of Four Mile Creek which is well treed. The portion of the Site west of Four Mile Creek is under agricultural use as orchards. The adjacent properties to south, west and

north under agricultural land use as orchards or cereal crop fields. To the east are several buildings which are identified as a cannery.

The 1954 aerial photograph shows two of the smaller buildings south of the large one have been removed and there appears to be a gravel pad used as a parking area. There appears to be a small building on the Site south of Four Mile Creek. There has been some expansion of the buildings at the cannery to the east.

The 1965 aerial photograph shows the buildings have been removed and have been replaced with a gravel parking lot, except for one building just north of Four Mile Creek. The small building on the Site south of Four Mile Creek has been removed and current house at the south end of the Site has been erected. There is a commercial building to the north has been developed.

The 1968 to 1981 aerial photographs show that a house has been erected on the property to the north.

The 2000 to 2010 aerial photographs show that remaining building in the northeast portion of the Site has been removed and the orchard to the west appears to be have been replaced vineyards and there are houses to the south of the Site.

The 2013 to 2018 aerial photographs show the parking lot in the northeast portion of the Site is being used to store recreational trailers.

The 2020 aerial photograph shows the buildings on the property to the north have been removed.

The 2022 aerial photograph shows the trailers on the Site are no longer present and the on the property and Four Mile Creek has been re-aligned along the west side of the Site. The north were the commercial building stood is now undergoing re-development for residential houses.

Copies of the aerial photographs are included in the appendices.

(ii) Topography, Hydrology and Geology

A topographic map was obtained from Ecolog ERIS. A copy of the map is included in the appendices. Topographic mapping for the phase one property indicated that the surface elevation of the phase one property is above 115 metres above sea level (masl) and dips to the north toward Four Mile Creek below 110 masl.

The site is situated within the physiographic region known as the Iroquois Plain (Chapman and Putnam, 1984). The Iroquois Plain is the low land extending between Lake Ontario and the Niagara Escarpment that was inundated in late Plesitocene times by glacial Lake Iroquois. The plain is flat and is covered by lacustrine deposits of sand, silt, and clay overlying the Halton Till.

Subsurface soil conditions as described by the *Quaternary Geology of Ontario Map 2556* from the Ministry of Northern Development and Mines are Glaciolacustrine deposits: silt and clay, minor sand; basin and quiet water deposits.

According to the General Physiography of the Niagara Peninsula Map adapted from Brock University Department of Geography the site is situated in a clay plain.

According to the Ontario Geological Survey 2011, bedrock geology of Ontario, bedrock is characterized as sandstone, shale, dolostone and siltstone. This area is known as the Queenston Formation.

According to Map P 2400, Ontario Geological Survey Bedrock Topography Series, Niagara and Niagara-on-the-Lake area, bedrock is found at an average of 31 metres from the surface.

Refer to the appendices for geological and topographical maps.

(iii) Fill Materials

In 2021 Four Mile Creek was re-aligned along the west side of the Site. Soil excavated from the new creek valley was used as backfill in the old creek valley.

(iv) Water Bodies and Areas of Natural Scientific Interest

The Four Mile Creek enters onto the east side of the Site and meanders to the west and the then northward along the west property line and eventually drains in Lake Ontario. The creek is considered to Niagara Peninsula Conservation Authority regulated area.

There were no ANSIs or Provincially Significant Wetlands identified within or directly adjacent to the phase one property.

(v) Well Records

According to the MOECC Well Records and the ERIS report there are eighteen (18) water wells located within a 300-metre radius of the phase one property. Three (3) of these wells have been abandoned, four (4) are water supply wells, two (2) are observation wells and nine (9) are described as test holes. According to these well records the average depth to bedrock is 30.5 metres and the average static water level is approximately 2.7 metres below surface.

(d) Site Operating Records

The Site is unimproved and, as such, there were no operating records available for review.

5.0 INTERVIEWS

General Information

Table 3: Interview Information	
Date and Time	23/05/20
Method	In person
Interviewee	Rainer Hummel
Title	Owner
Reason for Selection	Owner.

Interview Information

Phase One Property

Mr. Hummel reported that the portion of the Site north east of Four Mile Creek was formerly owned by a former fruit cannery which had a plant on the east side Four Mile in the surface granular fill.. One of buildings was reported to have burned down and some foundry sand was noted parking lot in the early 2000s and storage area for new and used house trailers.

Phase One Study Area

(a) Potentially contaminating activities – Only those reported in the previous ESAs.

(b) Water bodies – None.

(c) Areas of natural significance – None known

6.0 SITE RECONNAISSANCE

(a) General Requirements

Table 4: Site Reconnaissance Information	
Date and Time	19/06/23
Weather Conditions	Sunny and clear
Length of time of Reconnaissance	60 minutes
Facility operating (Y/N)	N
Name and Qualifications of Assessor	Andre Breberina. P.Geo. QP. (see Appendix E)

Table 4b: Photographic Log

Photograph	Orientation	Description
	Northwest	Front of house
	Southeast	South side of house.

	East	West side of the house.
	South	North side of house.
	Northeast	Front of Garage

	South	Basement furnace
	South	South view of Site from north.
	Northwest	Four Mile Creek

	West	Four Mile Creek
	Southwest	Four Mile Creek
	Southeast	Four Mile Creek

(b) Specific Observations of the Phase I Property and Investigation Description

Phase One Property

The Phase One Property and the interior of the buildings on the Phase One property were inspected. The buildings were vacant at the time and mostly gutted in the interiors.

1. Structures

   There was one three bedroom brick bungalow erected on the south end of the Site in the mid 1960s. The house has a partially finished concrete block building.

   There is a single detached brick garage on a concrete floor with an enclosed breezeway to the house.

2. Underground utilities

   Natural gas, water and sanitary services to the property have been disabled.

3. Building Interior(s)

   The house is finished with wood and ceramic floors and painted plaster walls and ceilings.

   (i) Other features

   (i) Wells – There were no wells identified on the Site.
   (ii) Sewage works – There are no current sewage works on the Phase One Property.
   (iii) Ground surfaces – Most of the Site south of Four Mile Creek is grass covered. Most of the Site north of Four Mile Creek is bare soil. Current or former rail lines – No current rail lines were noted.

(1) Exterior
   (a) Areas of stained soil, vegetation or pavement – No stained areas were noted on the ground cover.
   (b) Stressed vegetation – There was no stressed vegetation observed.
   (c) Areas of fill – In 2021 Four Mile Creek was re-aligned along the west side of the Site. Soil excavated from the new creek valley was used as backfill in the old creek valley.
   (d) Potentially contaminating activity –No other PCAs observed around the exterior.
   (e) Unidentified substances – None noted.

   (f) Enhanced Investigation Items
   (a) Operations – There were no operations on the Site.

(b) Hazardous materials on site – Except for small quantity containers of household chemicals,, none noted
(c) Products manufactured – None conducted
(d) By-products and wastes – Except for household waste, none generated
(e) Raw materials – None
(f) Location and contents of drums, totes and bins - None
(g) Oil/water separators – None
(h) Equipment maintenance, fluid and waste storage areas – There are currently no equipment maintenance, fluid or waste storage areas.
(i) Spills – none noted or reported.
(j) Liquid discharge points – None
(k) Hydraulic lift equipment – None

Phase One Study Area

The Study Area was inspected at the time of the Site inspection.

(a) Potentially contaminating activities – Within the study area the following potentially contaminating activities (PCAs) were identified: 1) surrounding vineyards with potential OC pesticide use; 2).

(b) Water bodies – Other than the Four Mile Creek running through the Site, no other water bodies were noted.

(c) Areas of natural scientific interest – None noted.

7.0 REVIEW AND EVALUATION OF INFORMATION

(i) Current and Past Uses

The Site is mostly undeveloped except for a single detached house at the south part of the Site which was erected circa 1965 and is currently occupied for residential use. Four Mile Creek meanders through the Site from the east side to the west side and then north exiting at the northwest corner of the Site

The portion of the Site which is south and west of Four Mile Creek which runs through the property, has historically been used for agricultural use as orchards from at least 1934 till about the 1980s when most of the land was left as open field.

The portion of the Site north and east of Four Mile Creek was owned by the former cannery operation on the east side of Four Mile Creek Road and as early as 1934 had several buildings on it that were used to house migrant workers until about 1965 when the area was cleared for a gravel parking pad. The pad was used to store recreational vehicle trailers from 2013 till 2020 and has remained vacant and undeveloped since then.

(ii) Potentially Contaminating Activity

The following potentially contaminating activities were identified in the Phase One Property:

- PCA #1 - The former use of the portion of the phase one property west and south of Four Mile Creek and the portion of the Phase One property along the north side east of Four Mile Creek as an orchards indicates there may have been pesticides used on the phase one property (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications). The soil on the portion of the Phase One property along the north side east of Four Mile Creek was sampled and analyzed for OC pesticides and metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.
- PCA #2 – The potential historical presence of a former fuel oil storage tank located on the south side of house at the south portion of the property (Item #28. Gasoline and Associated Products Storage in Fixed Tanks).
- PCA #3 – It was reported that after the buildings were removed on the portion of the Phase One Property north and east of the Four Mile Creek some foundry sand was placed to level parking area (Item #30 Importation of Fill Material of Unknown Quality). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

- PCA #4 – It was reported that one the buildings on the portion of the Phase One Property north and east of the Four Mile Creek burned down (Item #NOS Not Otherwise Specified). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals and PAHs in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.
- PCA #5 – The portion of the Phase One Property north and east of the Four Mile Creek has historically been used as a parking pad and therefore there is potential SAR and EC impacts to the surface soil from possible de-icing activities with salt (Item #NOS Not Otherwise Specified). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals and SAR and EC in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

Potentially contaminating activities in the phase one study area are:

- PCA #6 - Former and current agriculture on properties within the study area (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications).
- PCA #7 - There were several fuel storage tanks, both aboveground and underground located on the adjacent property to the east of the phase one property, 329 Four Mile Creek Road. It seems that some tanks had been decommissioned but the details and any analytical data were not available. (Item #28. Gasoline and Associated Products Storage in Fixed Tanks).
- PCA #8 - Presence of four (4) aboveground fuel storage tanks located on the portion of the property to the east of the phase one property. (Item #28. Gasoline and Associated Products Storage in Fixed Tanks). The PCA is downgradient od the Phase One Property and the property was remediated in 2019 to Table 2 SCS, upon which a RSC for residential use was filed with MECP.
- PCA #9 – Electrical transformer (former PCB containing) on the adjacent property located east of the phase one property, 365 Four Mile Creek Road. Item # 55 Transformer Manufacturing, Processing and Use. However, there is no evidence to indicate that it is an area of potential environmental concern on the phase one property. Although it is within the 250-meter study area, it is approximately 190m northeast of the phase one property and the inferred groundwater flow is northerly away from the phase one property.

(iii) Areas of Potential Environment Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA	Contaminants of Concern	Media Potentially Impacted
APEC #1 Former orchard on the phase one property	The portion of the Phase Ohe Property west and south of Four Mile Creek	40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-site and off-site	OC pesticides and metals	Soil
APEC #2 Former fuel storage tank	Located south of the south wall of the house at the south end of the Phase One Property.	. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.	On-Site	BTEX and PHC	Soil and groundwater
APEC #3 Former fuel storage tanks	The portion of the Phase Ohe Property west and south of Four Mile Creek	. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.	Off-Site	BTEX and PHC	Soil and groundwater

(iv) Rationale for APECs :

1) APEC 1 = The former use of the portion of the phase one property west and south of Four Mile Creek and the portion of the Phase One property along the north side east of Four Mile Creek as orchards indicates there may have been pesticides used on the phase one property (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications). There has also been historical use of adjacent properties to the south, west and north of the Phase One Property, and there is the potential of overspray pesticides onto the surface soils of the Phase One Property. The soil on the portion of the Phase One property along the north side east of Four Mile Creek was sampled and analyzed for OC pesticides and metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCSPesticides were suspect of being used on the Phase One Property when it was used as fruit storage area.
2) APEC 2 – The potential historical presence of a former fuel oil storage tank located on the south side of house at the south portion of the property. There is potential contamination to the soil and groundwater of fuel oil from leakage and spillage around the UST.
3) APEC 3 – There were several fuel storage tanks, both aboveground and underground located on the adjacent property to the east of the phase one property, 329 Four Mile Creek Road, which is upgradient of the Pahe One Property. It seems that some tanks had been decommissioned but the details and any analytical data were not available. There is potential contamination to the soil and groundwater of fuel oil from leakage and spillage around the USTs which may have migrated onto the northeast portion of the Phase One Property.

(v) Phase I Conceptual Site Model

i) Areas where PCAs on, or potentially affecting the phase one property has occurred – Areas where PCAs on, or potentially affecting the phase one property include:

The following potentially contaminating activities were identified in the Phase One Property:

PCA #1 - The former use of the portion of the phase one property west and south of Four Mile Creek and the portion of the Phase One property along the north side east of Four Mile Creek as an orchards indicates there may have been pesticides used on the phase one property (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications). The soil on the portion of the Phase One property along the north side east of Four Mile Creek was sampled and analyzed for OC pesticides and metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

PCA #2 – The potential historical presence of a former fuel oil storage tank located on the south side of house at the south portion of the property (Item #28. Gasoline and Associated Products Storage in Fixed Tanks).
PCA #3 – It was reported that after the buildings were removed on the portion of the Phase One Property north and east of the Four Mile Creek some foundry sand was placed to level parking area (Item #30 Importation of Fill Material of Unknown Quality). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

PCA #4 – It was reported that one the buildings on the portion of the Phase One Property north and east of the Four Mile Creek burned down (Item #NOS Not Otherwise Specified). The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals and PAHs in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

PCA #5 – The portion of the Phase One Property north and east of the Four Mile Creek has historically been used as a parking pad and therefore there is potential SAR and EC impacts to the surface soil from possible de-icing activities with salt. The soil on the portion of the Phase One property north and east of Four Mile Creek was sampled and analyzed for metals and SAR and EC in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCS.

Potentially contaminating activities in the phase one study area are:

PCA #6 - Former and current agriculture on properties within the study area (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications).

PCA #7 - There were several fuel storage tanks, both aboveground and underground located on the adjacent property to the east of the phase one property, 329 Four Mile Creek Road. It seems that some tanks had been decommissioned but the details and any analytical data were not available. (Item #28. Gasoline and Associated Products Storage in Fixed Tanks).

PCA #8 - Presence of four (4) aboveground fuel storage tanks located on the portion of the property to the east of the phase one property. (Item #28. Gasoline and Associated Products Storage in Fixed Tanks). The PCA is downgradient od the Phase One Property and the property was remediated in 2019 to Table 2 SCS, upon which a RSC for residential use was filed with MECP.

PCA #9 – Electrical transformer (former PCB containing) on the adjacent property located east of the phase one property, 365 Four Mile Creek Road. Item # 55 Transformer Manufacturing, Processing and Use. However, there is no evidence to indicate that it is an area of potential environmental concern on the phase one property. Although it is within the 250-meter study area, it is approximately 190m northeast of the phase one property and the inferred groundwater flow is northerly away from the phase one property.

(ii) Areas of Potential Environment Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA	Contaminants of Concern	Media Potentially Impacted
APEC #1 Former orchard on the phase one property	The portion of the Phase Ohe Property west and south of Four Mile Creek	40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-site and off-site	OC pesticides and metals	Soil
APEC #2 Former fuel storage tank	Located south of the south wall of the house at the south end of the Phase One Property.	. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.	On-Site	BTEX and PHC	Soil and groundwater
APEC #3 Former fuel storage tanks	The portion of the Phase Ohe Property west and south of Four Mile Creek	. Item #28. Gasoline and Associated Products Storage in Fixed Tanks.	Off-Site	BTEX and PHC	Soil and groundwater

(iii) Rationale for APECs :

APEC 1 = The former use of the portion of the phase one property west and south of Four Mile Creek and the portion of the Phase One property along the

north side east of Four Mile Creek as orchards indicates there may have been pesticides used on the phase one property (Item #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications). There has also been historical use of adjacent properties to the south, west and north of the Phase One Property, and there is the potential of overspray pesticides onto the surface soils of the Phase One Property. The soil on the portion of the Phase One property along the north side east of Four Mile Creek was sampled and analyzed for OC pesticides and metals in 2021 and the results were found to be within the O. Reg 153/04 Table 8 SCSPesticides were suspect of being used on the Phase One Property when it was used as fruit storage area.

APEC 2 – The potential historical presence of a former fuel oil storage tank located on the south side of house at the south portion of the property. There is potential contamination to the soil and groundwater of fuel oil from leakage and spillage around the UST.

APEC 3 – There were several fuel storage tanks, both aboveground and underground located on the adjacent property to the east of the phase one property, 329 Four Mile Creek Road, which is upgradient of the Pahe One Property. It seems that some tanks had been decommissioned but the details and any analytical data were not available. There is potential contamination to the soil and groundwater of fuel oil from leakage and spillage around the USTs which may have migrated onto the northeast portion of the Phase One Property.

(iv) Contaminants of Potential Concern – The contaminants of potential concern in APEC 1 are OC pesticides and metals. The contaminants of potential concern in APECs 2 and 3 are VOCs, PHC and metals.

(v) Underground Utilities – The following underground utilities were identified:

There is a power line leading to the house on the south portion of the Phase One Property. There are also underground gas, water and sanitary services to the house but the locations are unknown. Underground services to the former buildings on the northeast portion of the Phase One Property are unknown.

(vi) Hydrogeological Conditions – The 2018 Phase II ESA on the property to the north of the Phase One Property reported soil units as follows: Surface- gravel with very little sand (~106.1 masl - ~105.49 masl).
Clay – silty brown clay, DTPL (~105.49 masl - ~102.45 masl).
Clay – grey/brown, APL, clay with some silt (~102.45 masl - ~100.93 masl).
Clay – grey, WTPL, clay with some silt (~100.93 masl - ~97.89 masl).
The average depth to ground water was reported to be 0.57m. The interpreted groundwater flow direction was reported to be west towards the Four Mile Creek. The horizontal hydraulic gradient were reported to as the minimum

horizontal hydraulic gradient for the site is 0.0058, the maximum is 0.0145 and the average horizontal hydraulic gradient is 0.0102.

(vii) Uncertainty or Absence of Information – The impacts from the APECs on the Phase One Property are unknown and requires assessment prior to re-developed for residential use. Locations of underground utilities are unknown.

A Phase II Environmental Site Assessment to assess potential impacts form the APECs on the Phase One Property.

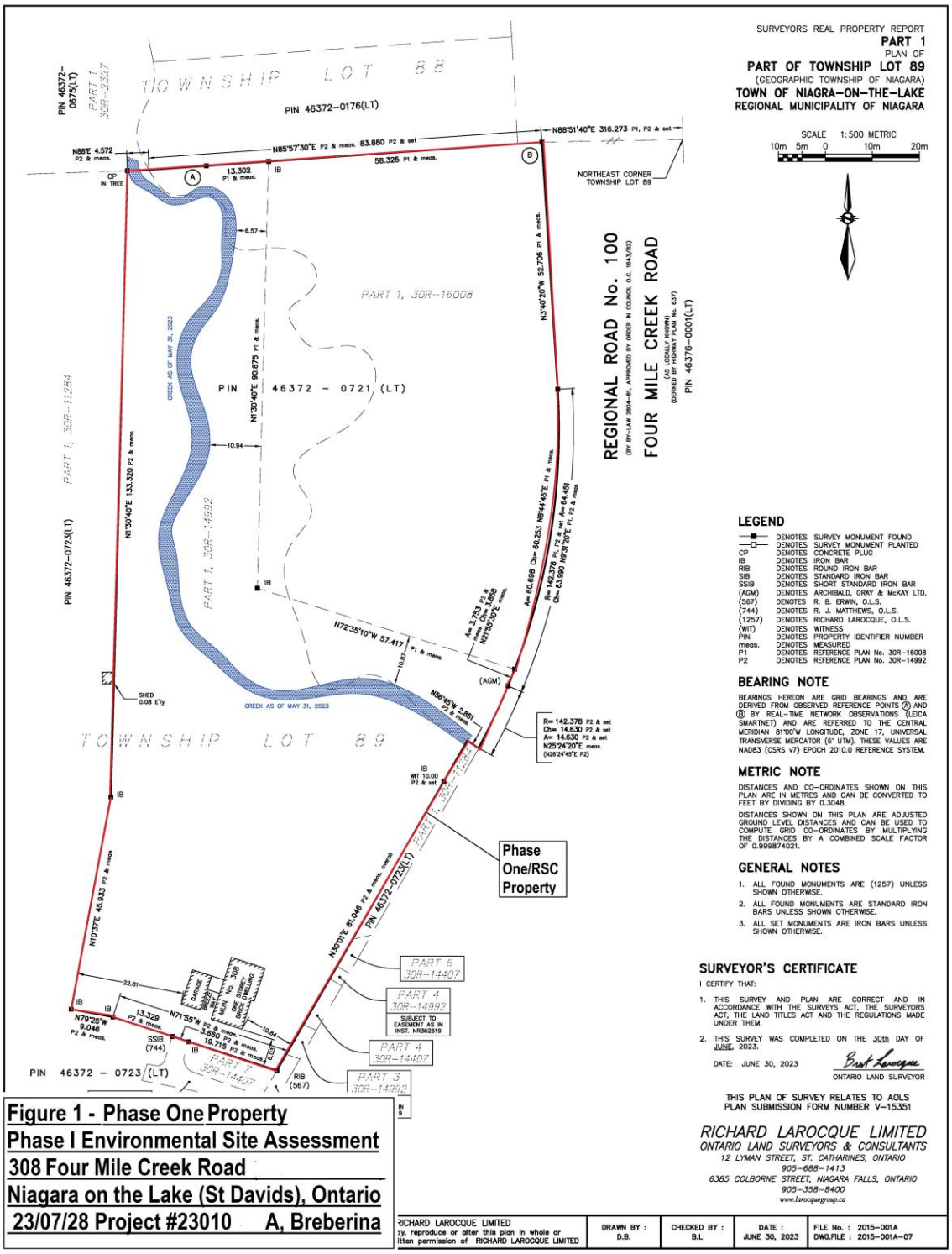

Figure 1 - Phase One Property
Phase I Environmental Site Assessment
308 Four Mile Creek Road
Niagara on the Lake (St Davids), Ontario
23/07/28 Project #23010 A, Breberina

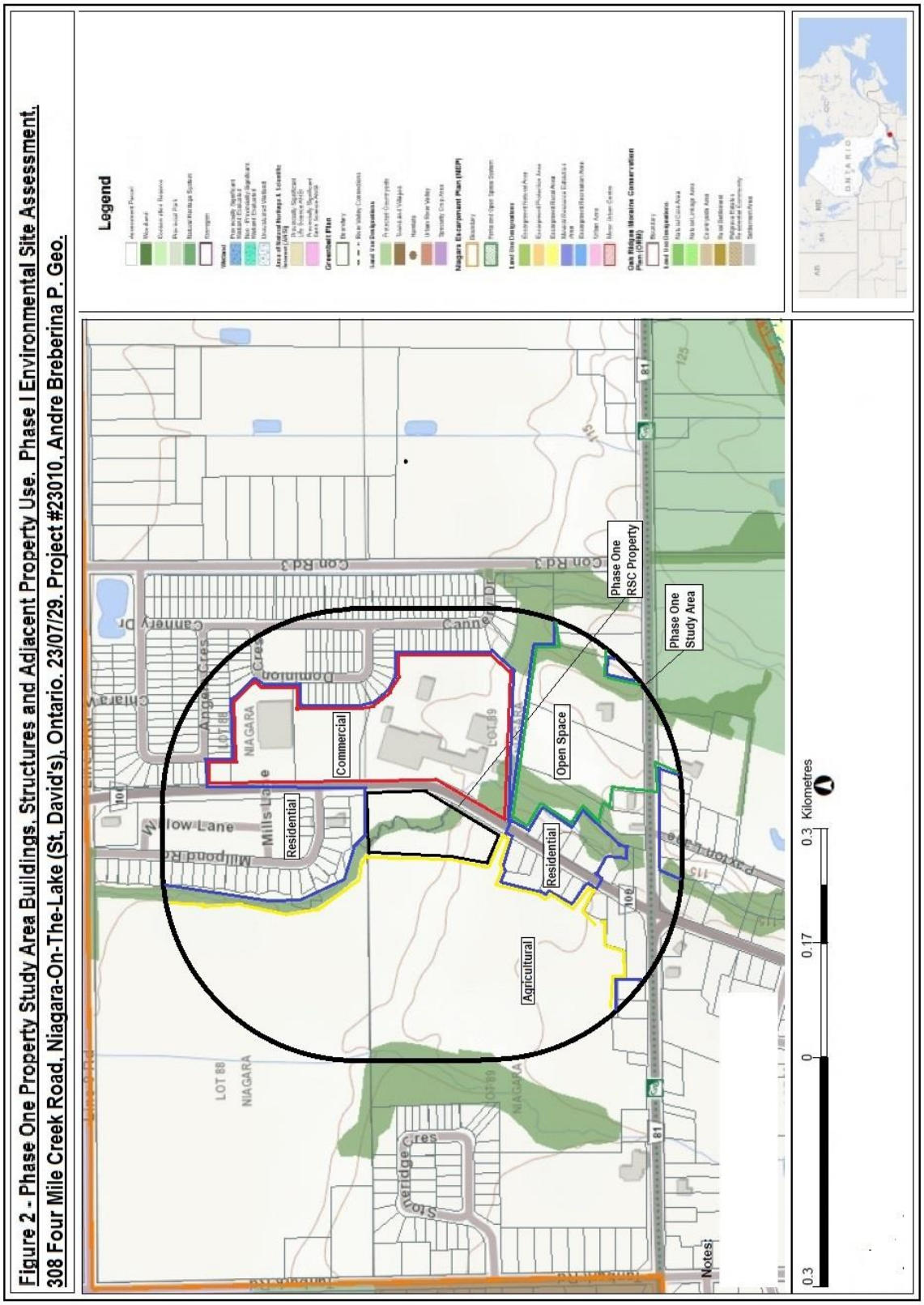

Figure 2 - Phase One Property Study Area Buildings, Structures and Adjacent Property Use. Phase I Environmental Site Assessment. 308 Four Mile Creek Road, Niagara-On-The-Lake (St, David's), Ontario. 23/07/29. Project #23010, Andre Breberina P. Geo.

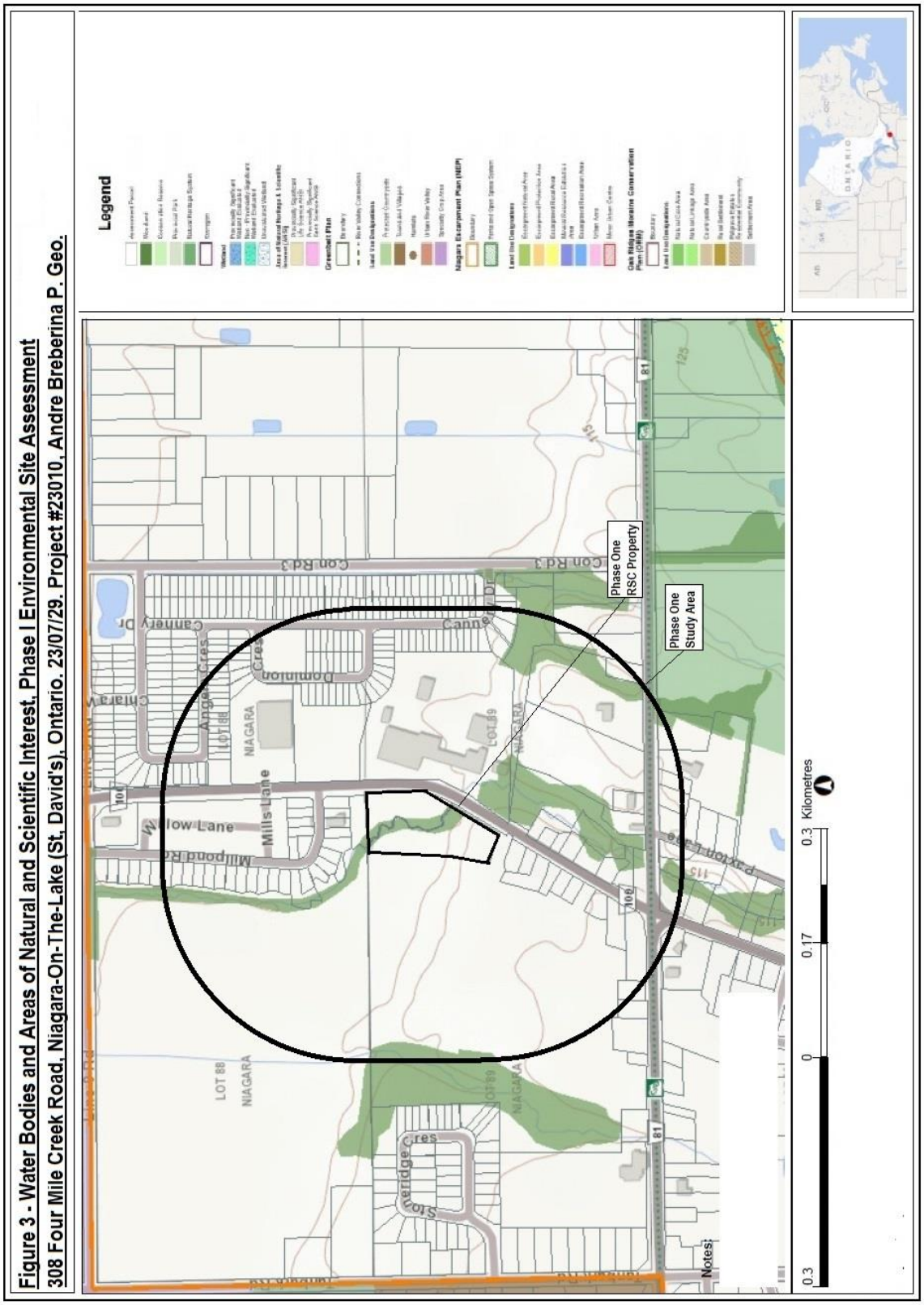

Figure 3 - Water Bodies and Areas of Natural and Scientific Interest, Phase I Environmental Site Assessment
308 Four Mile Creek Road, Niagara-On-The-Lake (St, David's), Ontario. 23/07/29. Project #23010, Andre Breberina P. Geo.

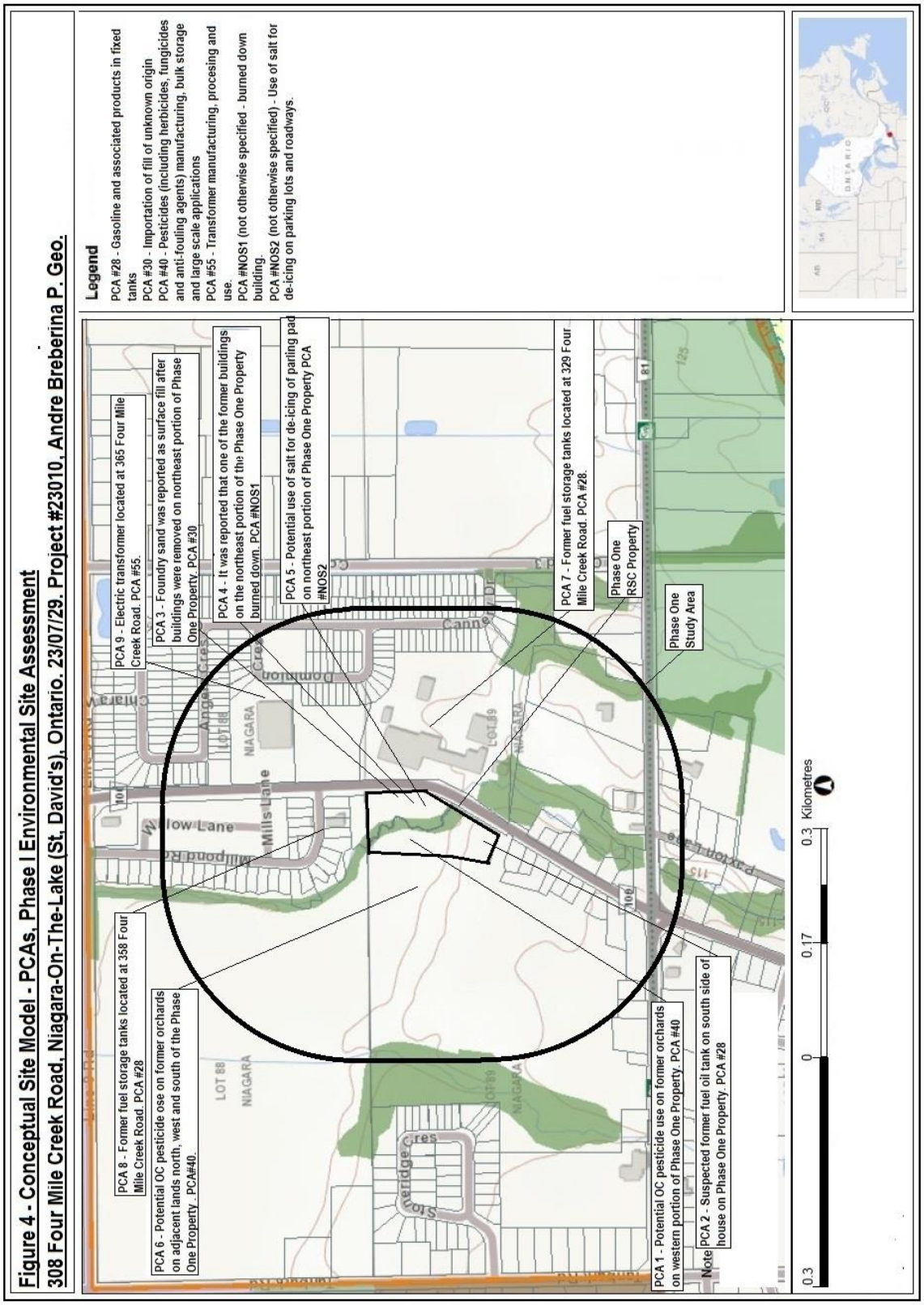
Figure 4 - Conceptual Site Model - PCAs, Phase I Environmental Site Assessment
308 Four Mile Creek Road, Niagara-On-The-Lake (St, David's), Ontario. 23/07/29. Project #23010, Andre Breberina P. Geo.
Legend
PCA #28 - Gasoline and associated products in fixed tanks
PCA #30 - Importation of fill of unknown origin
PCA #40 - Pesticides (including herbicides, fungicides and anti-fouling agents) manufacturing, bulk storage and large scale applications
PCA #55 - Transformer manufacturing, processing and use.
PCA #NOS1 (not otherwise specified - burned down building.
PCA #NOS2 (not otherwise specified) - Use of salt for de-icing on parking lots and roadways.
PCA 8 - Former fuel storage tanks located at 358 Four Mile Creek Road. PCA #28
PCA 6 - Potential OC pesticide ose on former orchards on adjacent lands north, west and south of the Phase One Property. PCA#40.
PCA 9 - Electric transformer located at 365 Four Mile Creek Road. PCA #55.
PCA 3 - Foundry sand was reported as surface fill after buildings were removed on northeast portion of Phase One Property. PCA #30
PCA 4 - It was reported that one of the former buildings on the northeast portion of the Phase One Property burned down. PCA #NOS1
PCA 5 - Potential use of salt for de-icing of parking pad on northeast portion of Phase One Property PCA #NOS2
PCA 7 - Former fuel storage tanks located at 329 Four Mile Creek Road. PCA #28.
Phase One RSC Property
Phase One Study Area
PCA 1 - Potential OC pesticide use on former orchards on western portion of Phase One Property. PCA #40
PCA 2 - Suspected former fuel oil tank on south side of house on Phase One Property. PCA #28
Note
0.3
0
0.17
0.3 Kilometres

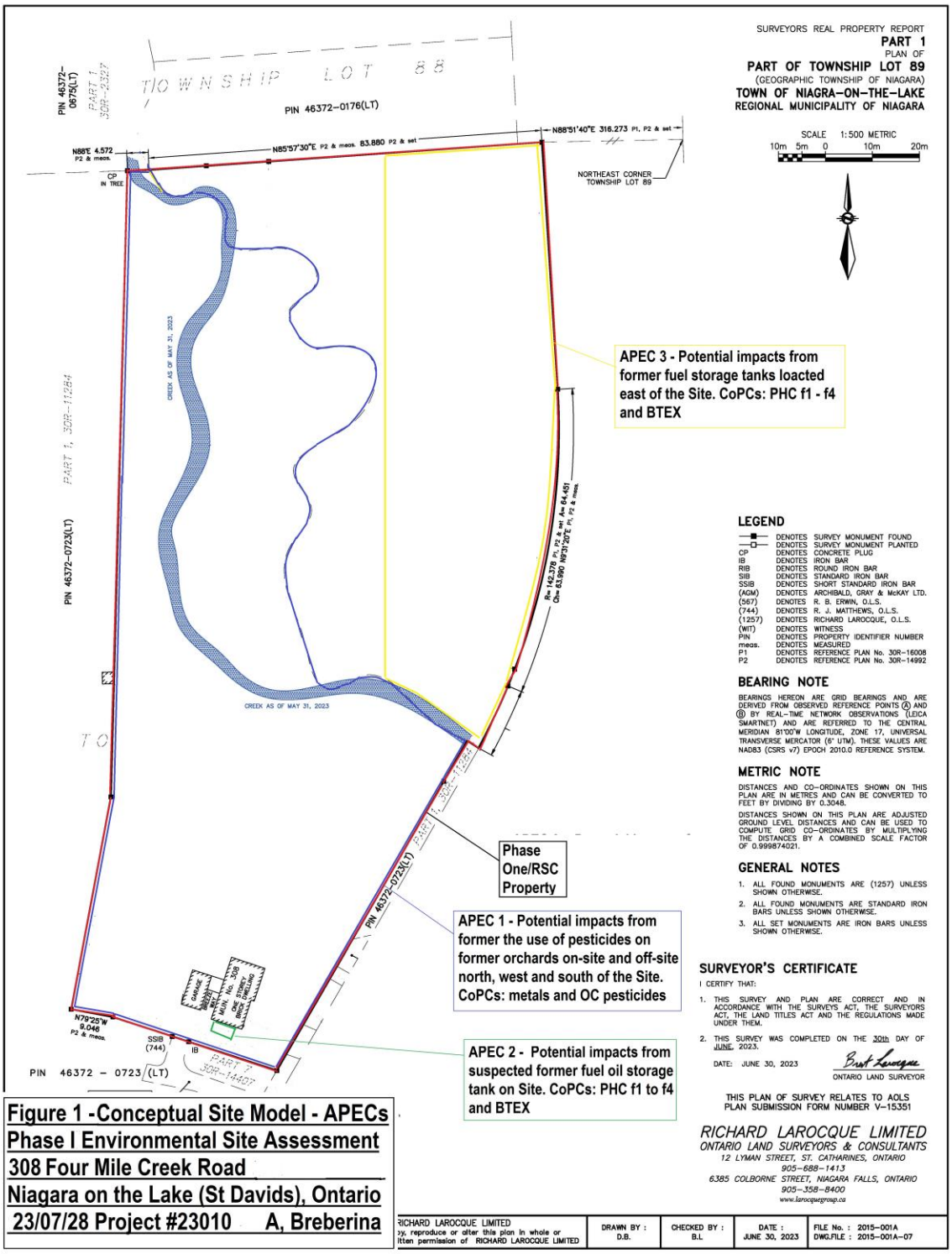

Figure 1 -Conceptual Site Model - APECs
Phase I Environmental Site Assessment
308 Four Mile Creek Road
Niagara on the Lake (St Davids), Ontario
23/07/28 Project #23010 A, Breberina

8.0 CONCLUSIONS

A Phase II ESA will be required to assess the APECs before a Record of Site Condition can be submitted with respect to the phase one property.

We trust that this report will accommodate your requirements. If you have any questions or comments, please contact the undersigned.

The gathering of information, evaluation of the information and conclusions and recommendations made in this Phase I ESA have conducted by, or supervised by, the undersigned QP.

Andre Breberina P.Geo

9.0 REFERENCES

Association of Professional Geoscientists of Ontario, April 2011, "Guidance for Envrionmental Site Assessments under Ontario Regulation 153/04 (as amended)"

Breberina, A., P. Geo. January 3, 2022. "SOIL QUALITY ASSESSMENT, 308 Four Creek Road, Niagara-on-the-Lake (St. David's), ON".

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Environment Canada, "National Pollutant Release Inventory (NPRI)" www.ec.gc.ca

Natural Heritage Information System, www.nhic.gov.on.ca

Ontario's Environmental Registry, www.ebr.gov.on.ca

Ontario Geological Survey "Palezoic Geology of Southern Ontario" www.mndm.gov.on.ca

Ontario Geological Survey "Surficial Geology of Southern Ontario" www.mndm.gov.on.ca

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Ontario Ministry of Environment, June, 2011, Guide for Completing Phase One Environmental Site Assessments Under Ontario Regulation 153/04

Ontario Ministry of Environment, July 1, 2011, Ontario Regulation 153/04 as amended by Ontario Regulation 511/09. Environmental Protection Act, R.S.O. 1990, Part XV.1

Town of Niagara on the Town's Official Plan www.hamilton.ca

Town of Niagara on the Town's Zoning By-Laws www.hamilton.ca

10.0 APPENDICIES

Appendix A – Plan of Survey

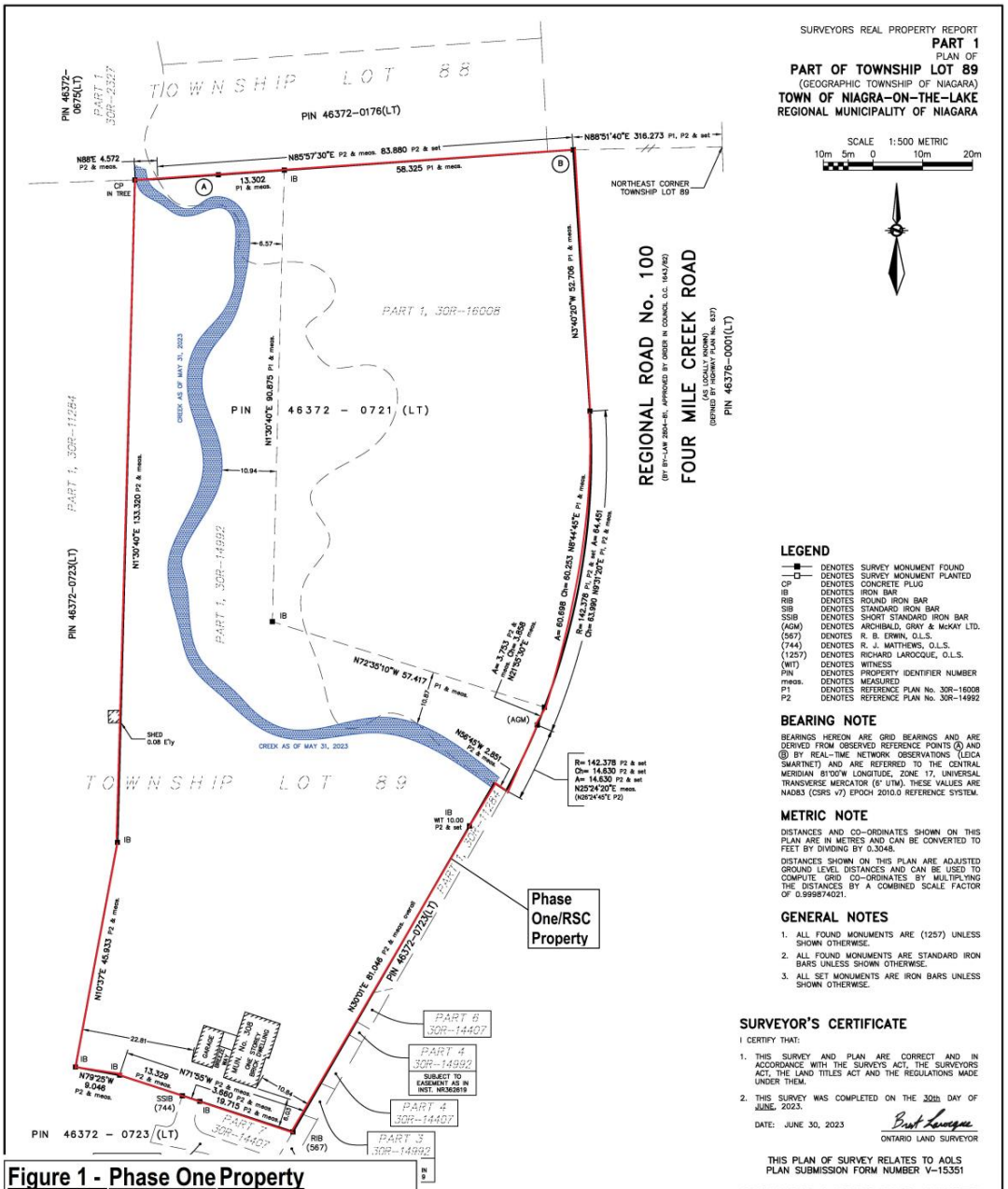


Figure 1 - Phase One Property
Phase I Environmental Site Assessment
308 Four Mile Creek Road
Niagara on the Lake (St Davids), Ontario
23/07/28 Project #23010 A, Breberina

APPENDIX B
AERIAL PHOTOGRAPHS

Aerial Photograph Dated 2022
Niagara Navigator Digital Photograph

Aerial Photograph Dated 2020
Niagara Navigator Digital Photograph

Aerial Photograph Dated 2018
Niagara Navigator Digital Photograph

Aerial Photograph Dated 2015
Niagara Navigator Digital Photograph

Aerial Photograph Dated 2013
Niagara Navigator Digital Photograph

Aerial Photograph Dated 2010
Niagara Navigator Digital Photograph

Aerial Photograph Dated 2006
Niagara Navigator Digital Photograph

Legend

0 0.04 0.08 0.16 0.24 0.32 km

Date: 2023-05-10 Time: 1:13 AM

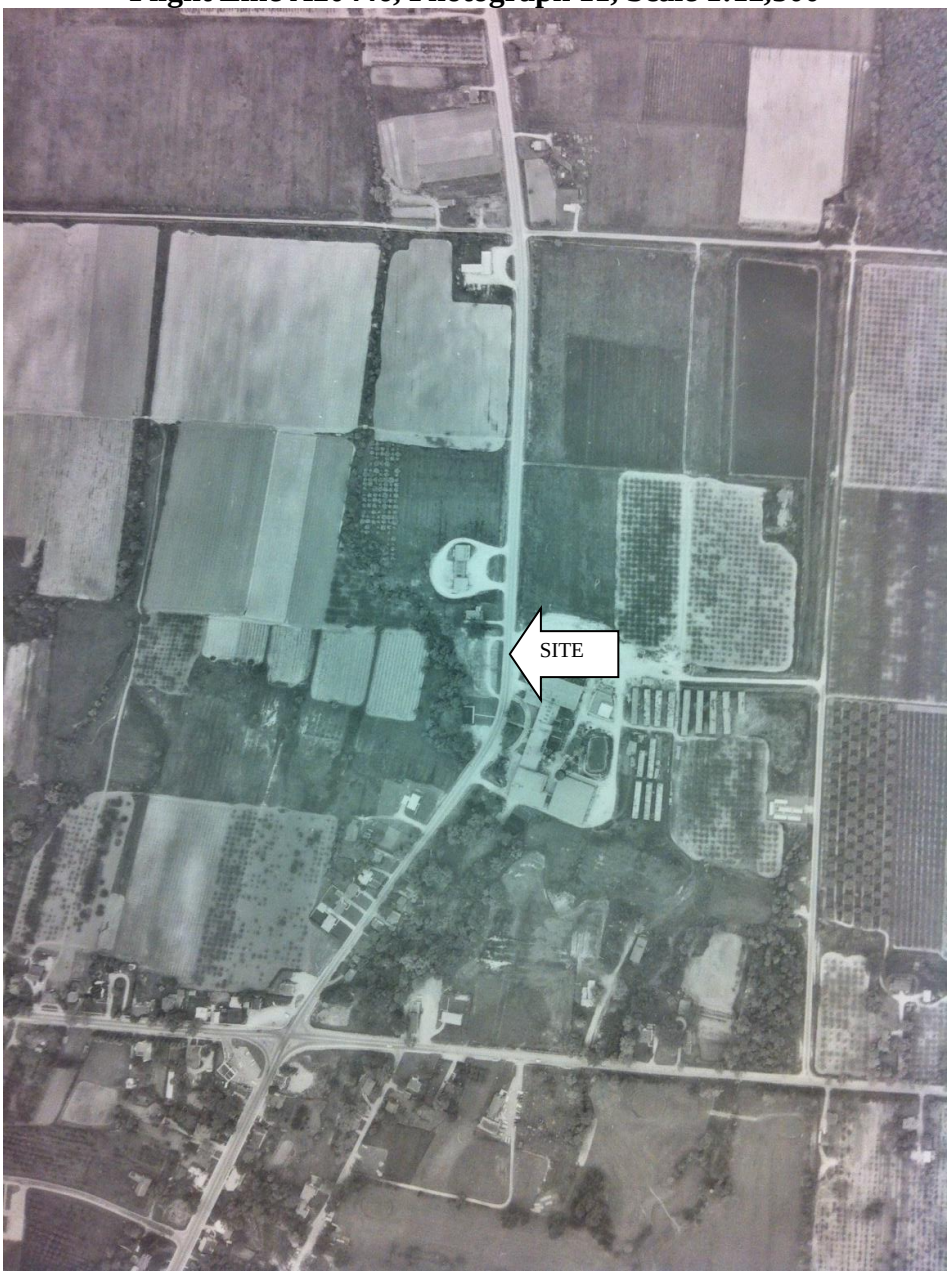
Aerial Photograph Dated 2000
Niagara Navigator Digital Photograph

Aerial Photograph Dated 1981
Niagara Navigator Digital Photograph

Aerial Photograph Dated 1978
Flight Line 78-4312-29, Photograph 147, Scale 1:10,000

Aerial Photograph Dated 1972
Flight Line 13-72021, Photograph 111, Scale 1:12,500

Aerial Photograph Dated 1968
Flight Line A20446, Photograph 11, Scale 1:12,500



Aerial Photograph Dated 1965
Niagara Navigator Digital Photograph

Aerial Photograph Dated 1954
Niagara Navigator Digital Photograph

Aerial Photograph Dated 1934
Niagara Navigator Digital Photograph

Appendix C – Qualifications of Assessor

Qualifications of Assessor

Andre Breberina B.E.S. P. Geo. Q.P.*
Environmental Geoscientist
Qualified Person (Ontario Ministry of Environment O. Reg 153/04) (E&O Insured)

Expertise:

- Project development and management.
- Environmental Site Assessments – Phase 1 and 2.
- Site remediation and Brownfield re-development project design and management.
- Aboveground and underground storage tank decommissioning.
- Emergency Spill Response assessment, management and abatement.
- Waste Transfer Station, Waste Management System Waste Processing Site Certificates of Approval submissions, including design and operations, environmental management systems and training.
- Waste Audits and Minimization/Diversion Programs.

Client support involving:

- Regulatory compliance, complaints and orders.
- Records of Site Condition.
- Applications for Certificates of Approval.
- Property acquisitions, divestitures, leasing and finance.
- Stakeholder peer reviews.
- Baseline studies for due diligence, environmental management systems and strategic planning.
- Site/operation EMS procedures and training.
- Expert testimony at Ontario Municipal Board hearing and at Provincial Courts in litigation matters.

Sector involvement:

- Federal, Provincial and Municipal governments and agencies
- Chemical processors and storage facilities
- Paint manufacturers and warehousing
- Printing and photochemical facilities
- Plastics processors
- Steel producers
- Metal fabricating, plating and warehousing sites
- Textile processing
- Aggregate producers
- Automotive manufacturers, dealerships, service and body repair shops
- Trucking companies, service depots and dealerships
- Gasoline stations and other private petroleum outlets
- Airport, seaport and rail road operations
- Salvage, recycling, waste disposal, composting facilities and transfer sites
- Public and private utility companies
- Federal, provincial and municipal facilities
- Hospitals and other health care facilities
- Educational institutions and school boards
- Retail and other commercial sites
- Developers and holding companies
- Residential houses and apartments

Teaching and Training Experience

- Lecturer - Solid Waste and Hazardous Materials Management Course as part of the Environmental Engineering Diploma Program at Mohawk College, Hamilton, from 1998 to 2009.
- Lecturer - Youth Enviro-Entrepenuers Program. Human Resources Canada, Canadian Environmental Industry Association, Niagara College and the Business Advisory Centre, Hamilton,1995
- Trainer to private environmental contractors and waste management operators of O. Reg 347, TGDA, waste manifesting, sampling and monitoring procedures, EMS record keeping, hazardous materials handling procedures, level A to D personnel protection equipment use and maintenance, spills and emergency response procedures.

Education, Professional Development and Certifications

- Bachelor of Environmental Studies (Honours), University of Waterloo. Waterloo, 1983
- Environmental Legislative Compliance Program, Mohawk College, Hamilton, 1992
- Environmental Chemistry, Mohawk College, Hamilton, 1993
- Benthic Marco Invertebrate Survey, McMaster University, Hamilton 1995
- WHMIS Certificate, Team-1Environmental Services Inc., Hamilton 1996
- Confined Space Entry/Rescue Certificate, Team-1 Environmental Services Inc., 1997
- Tanker Truck Roll-over Specialist, Oil Spill Control Services, Toronto, 1997
- Explosives Recognition and Forensic Documentation, RSP International Inc, Mississauga, 1998
- TDGA and Waste Manifesting Inc., Talon Environmental Inc., Hamilton, 1998
- Air Emission Summary and Dispersion Modeling Workshop, Ontario Ministry of Environment, Toronto, 1999
- Radiation Safety Certification, Ontario Power Generation Corp., Pickering Nuclear Station, Pickering, 1999
- Shoreline Clean-up Assessment, Team-1 Environmental Services Inc. Hamilton, 1999
- Open Water Oil Spill Marine Containment, Eastern Canada Spills Response Corp., Sarnia, 1999
- International SCUBA Certifications – Open Water, Advanced, Scuba Rescue and DAN Oxygen Provider, American and Canadian Underwater Council
- First Aid Certification and CPR (current), Canadian Red Cross
- Canadian Coast Guard accredited Watercraft Operator Certificate, Watercraft Rescue and Training Centre, Hamilton, 2000
- Technical Standards and Safety Authority Licensed PM2 and PM3 Petroleum Mechanic
- ISO 14001 Internal Auditor, Quality Management Institute, Mississauga, 2002
- Environmental Sampling, National Contaminated Sites Training Program, Environment Canada, 2002
- Hazmat Technician Certificate, Team 1 Environmental Services Inc. 2003

Professional Associations

- Association of Professional Geoscientists of Ontario – Practicing Member
- Canadian Council of Professional Geoscientists

Professional Profile

Andre Breberina has over 25 years experience in environmental consulting in Ontario and has provided professional services to address environmental concerns for clients in private and public sectors. Prior to his own private practice, Mr. Breberina worked with Trow Inc. where he performed materials testing, geotechnical investigations and QA/QC programs on construction projects. Mr. Breberina later worked with Hydrology Consultants Inc. where he conducted field work for the Environmental Impact Assessment for the Halton Region Landfill Study and CN Rail Lands decommissioning for the Skydome (now Rogers Centre) site.

Environmental Site Assessments:

Phase I and Phase II Environmental Site Assessments have been conducted on a wide range of property types from undeveloped land to industrial parks throughout southern and central Ontario. Phase II Environmental Site Assessments have involved a variety of non-intrusive and intrusive investigation and sampling techniques of various media on site, and off-site as required, to identify: chemicals of concern, their presence and concentrations, migration pathways, extent of contamination, actual and potential receptors, the risk to the receptors and recommendations for mitigation and/or remedial action. Investigations have included to not only surface and sub-surface conditions but also hazardous materials in buildings.

Site Remediation and Brownfield Re-development:

Site remediation work has included problem identification, conceptualization of remedial options with risks and costs, consultation with client to determine preferred remedial option, finalization and implementation of work plan, arranging necessary sub-contractor and support services, project management and quality control and regulatory compliance assurance to the target clean-up level. Upon completion of remedial work, Records of Site Conditions are filed, if requested, or as required under regulations for Brownfields to be-redeveloped to an active use. Remediated sites have included problems with a range of contaminants including petroleum products, solvents, (LNAPLs and DNAPLs), heavy metals and other organics, pesticides and fertilizers and leachate control. Remedial methods have included: extraction and disposal, ex-situ treatment, in-situ treatment pump and treat methods and bioremedial methods. Brownfield re-developments projects have included taking former rail lands, gas stations and industrial sites to high density residential land uses and health care facilities.

Aboveground and Underground Tank Management:

Tanks and tank farms have been assessed to determine if decommissioning is warranted by virtue of actual or potential leakage or regulation. Recommendations were made and implemented to bring tanks to regulatory requirements and/or leak and spill mitigation measures were undertaken that met or exceed standards. During the decommissioning of tanks by qualified contractors, either through voluntary removal or as required under regulation, environmental assessments were conducted of soil and groundwater conditions to determine if, remedial action plan and/or a containment management plan was required. Remedial action plans and/or containment management plans were developed and implement through to completion in accordance with regulatory compliance. The scope of tanks assessed ranged from residential fuel oil tanks to industrial/commercial tank farms.

Emergency Spill Response:

Consulting services were provided for emergency spills response teams for last 15 years throughout Ontario to assess the nature and extent of spills, develop emergency responses on site with team personnel in the unique situations where S.O.Ps did not apply, identification of primary and secondary hazards, conducted sampling of various media to assess impact from spills, assessed the extent of emergency clean-up and recommendations for further assessment

and remediation. Reports were written detailing the cause and nature of the spill, work undertaken to contain and clean up the spill and the results of the clean-up efforts. The reports were submitted to clients, insurance companies and regulatory authorities who relied upon them in the event prosecutions were undertaken. Emergency response situations included: tanker truck roll-overs, chemical tanker car train derailments, marine spills, chemical and industrial fires. Also, on behalf of Team 1 Environmental Services Inc. Mr. Breberina designed, assembled and operated mobile laboratory consisting of a converted 34' mobile home fitted with PID/GC, FID/GC, ECD/GC, FTIR and IR scanners, meteorological station and support equipment to provide emergency analytical services at spill sites.

Waste Management:

A cost accounting of a municipal blue box Material Recovery Facility's operation was conducted to improve handling and operations procedures. Waste Audits and Waste Minimization programs in accordance with O. Reg 102/94 and 103/94 were conducted for industrial and commercial operations and school boards. Certificates of Approval for solid waste and hazardous waste Waste Transfer Stations and Waste Management Systems have been prepared and submitted on behalf of clients. Preparation for the client included design and operations details, containment design, handling and storage procedures, contingency measures, record management and training requirements based on regulatory requirements, best practices and ISO 14001 practices, as well as financial assurance calculations and public consultation. Since 2002, consulting services have been provided to commercial composting operation that have included: routine monitoring of ground and surface waters to assess potential off-site impacts as required under their Certificate of Approval, annual assessment of spray irrigation field to control leachate as required under their Certificate of Approval, repair of existing and setting of new monitoring wells, sampling and assessment compost in compliance with Certificate of Approval and MOE Guidelines, and, as requested, addressed specific compliance and operational issues through training, monitoring operational procedures.

APPENDIX E
ERIS EcoLog Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Four Mile Creek* *Four Mile Creek Road* *Niagara-On-The-Lake ON L0S 1P0*
Project No:	
Report Type:	*RSC Report (Urban)*
Order No:	*20170517081*
Requested by:	*DML Environmental Service Limited*
Date Completed:	*May 24, 2017*

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

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Four Mile Creek* *Four Mile Creek Road Niagara-On-The-Lake ON L0S 1P0*
Project No:	

Order Information:

Order No:	*20170517081*
Date Requested:	*May 17, 2017*
Requested by:	*DML Environmental Service Limited*
Report Type:	*RSC Report (Urban)*

Additional Products:

Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	10	10
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	3	3
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	5	5
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	1	1
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	4	4
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	9	9
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
NCPL	Non-Compliance Reports	Y	0	11	11
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
NEBW	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	4	4
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	2	2
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	3	3
SCT	Scott's Manufacturing Directory	Y	0	13	13
SPL	Ontario Spills	Y	0	10	10
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	14	15
	Total:		1	91	92

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 89 ON	-/0.0	0.42	21

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SCT	Beamer Bayer International Ltd	346 Creek Rd Niagara-on-the-Lke ON L0S 1P0	NNE/14.5	0.23	23
3	CA	Cangro Fruit Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	23
3	CA	Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	23
3	CA	Cannery Park Developments Inc.	329 Four Mile Creek Rd Niagara-On-The-Lake ON	NE/21.6	0.46	23
3	CA	NABISCO LIMITED	329 CREEK ROAD, ST. DAVID'S NIAGARA-ON-THE-LAKE TOWN ON	NE/21.6	0.46	24
3	CA	St. Davids Plant	329 Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	24
3	CA	St. Davids Plant	329 Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	24
3	CA	Kraft Canada Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	NE/21.6	0.46	25
3	CA		329 Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	25
3	EBR	Nabisco Limited	329 CREEK ROAD Town of Niagara-on-the-Lake ON	NE/21.6	0.46	25
3	EBR	Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	26
3	EHS		329 Four Mile Creek Road St. Davids ON L0S 1P0	NE/21.6	0.46	26
3	GEN	Cannery Park Developments Inc	329 Four Mile Creek Rd St. Davids ON	NE/21.6	0.46	26
3	GEN	NABISCO BRANDS LIMITED 28-387	329 CREEK ROAD ST. DAVIDS ON L0S 1P0	NE/21.6	0.46	26
3	GEN	NABISCO BRANDS LIMITED	329 CREEK ROAD ST. DAVIDS ON L0S 1P0	NE/21.6	0.46	27
3	GEN	ALRAIN HOLDINGS	329 FOUR MILE CREEK UNIT#333 NIAGARA ON THE LAKE ON	NE/21.6	0.46	27
3	GEN	KRAFT CANADA INC.	329 FOUR MILE CREEK ROAD ST. DAVIDS ON L0S 1P0	NE/21.6	0.46	27
3	GEN	CANGRO FRUIT INC.	329 FOUR MILE CREEK ROAD ST. DAVIDS ON L0S 1P0	NE/21.6	0.46	28
3	NCPL	CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	NE/21.6	0.46	29
3	NCPL	CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	NE/21.6	0.46	30
3	NCPL	CanGro Foods Inc./Aliments Cangro Inc.	329 Four Mile Creek Rd Niagara-On-The-Lake ON	NE/21.6	0.46	30
3	NCPL	CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	NE/21.6	0.46	30
3	NCPL	CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	NE/21.6	0.46	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	NCPL	Kraft Canada Inc.	329 Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	31
3	NCPL	Kraft Canada Inc.	329 Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	32
3	NCPL	Kraft Canada Inc.	Niagara-On-The-Lake ON	NE/21.6	0.46	32
3	NCPL	Cannery Park Developments Inc.	329 Four Mile Creek Rd Niagara on the Lake ON	NE/21.6	0.46	32
3	NCPL	CanGro Foods Inc./Aliments Cangro Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	33
3	NCPL	Cannery Park Developments Inc.	329 Four Mile Creek Rd Niagara on the Lake ON	NE/21.6	0.46	33
3	NPRI	CANGRO FRUIT INC.	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	NE/21.6	0.46	33
3	SCT	Kraft Canada Inc.	329 Four Mile Creek Rd St Davids ON L0S 1P0	NE/21.6	0.46	35
3	SCT	Kraft Canada Inc.	329 Creek Rd St. Davids ON	NE/21.6	0.46	35
3	SCT	CanGro Foods Inc.	329 Four Mile Creek Rd St Davids ON L0S 1P0	NE/21.6	0.46	35
3	SCT	Nabisco Ltd. - Nabisco Division	329 Creek Rd St. Davids ON	NE/21.6	0.46	35
3	SCT	NABISCO LTD. - GROCERY DIV.	329 CREEK RD ST DAVIDS ON L0S 1P0	NE/21.6	0.46	35
3	SCT	NABISCO LTD.	329 Creek Rd St. Davids ON L0S 1P0	NE/21.6	0.46	36
3	SPL	Cangro Fruit Inc.	329 Four Mile Creek Rd Niagara-On-The-Lake ON	NE/21.6	0.46	36
3	SPL	Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	36
3	SPL	Niagara Natrual Fruit Snack Company Inc.	Niagara Natural Fruit Snack 329 Four Mile Creek Road 905-262-8200<UNOFFICIAL> Niagara-on-the-Lake ON	NE/21.6	0.46	37
3	SPL	Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	37
3	SPL	Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	NE/21.6	0.46	37
4	NPRI	KRAFT CANADA	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	ESE/30.5	2.77	38
4	NPRI	CANGRO FRUIT INC.	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	ESE/30.5	2.77	38
4	NPRI	CANGRO FRUIT INC.	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	ESE/30.5	2.77	38
5	WWIS		lot 89 ON	SE/37.7	2.59	39
6	WWIS		lot 89 ON	SSE/40.2	4.64	42
7	WWIS		lot 89 ON	SSE/48.7	3.01	45
8	CA	NEWVILLE CLASSIC CANDLES INC.	358 CREEK ROAD, ST. DAVIDS NIAGARA-ON-THE-LAKE TOWN ON	NNE/67.6	-0.54	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	EBR	Newville Classic Candles Inc	358 Creek Road Town of Niagara-on-the-Lake ON	NNE/67.6	-0.54	48
8	GEN	Newville Classic Candles	358 Creek Road St. Davids ON L0S 1P0	NNE/67.6	-0.54	48
8	SCT	Newville Classic Candles Inc.	358 Creek Rd St. Davids ON	NNE/67.6	-0.54	49
8	SCT	NEWVILLE PLASTIC CANDLES INC.	358 Creek Rd St. Davids ON L0S 1P0	NNE/67.6	-0.54	49
8	SCT	NEWVILLE PLASTIC CANDLES INCOR	358 CREEK RD ST. DAVIDS ON L0S 1P0	NNE/67.6	-0.54	49
8	SCT	NEWVILLE 88 CORPORATION	358 CREEK RD ST DAVIDS ON L0S 1P0	NNE/67.6	-0.54	49
9	EHS		358 Four Mile Creek Road Niagara-On-The-Lake ON L0S 1P0	NNW/68.4	-1.54	50
10	WWIS		lot 89 ON	SE/69.5	4.77	50
11	WWIS		lot 88 ON	NNE/69.6	-0.15	53
12	SPL	The Regional Municipality of Niagara	358 Four Mile Creek Rd; 3450 Stanley Ave; 383 Four Mile Creek Rd Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake ON	NNE/75.8	-0.54	55
13	EHS		329,340,358,365,383,412 Four Mile Creek Road Niagara-on-the-Lake ON	E/79.9	2.43	55
14	WWIS		lot 89 ON	ESE/88.8	2.74	55
15	WWIS		lot 89 ON	ESE/99.0	4.16	58
16	WWIS		lot 89 ON	SE/117.8	6.30	60
17	WWIS		lot 88 ON	NNE/157.9	-1.07	62
18	REC	RONDAR INC.	NABISCO BRANDS INC. 365 CREEK ROAD NIAGARA-ON-THE-LAKE ON	NNE/160.6	-1.34	65
18	REC	RONDAR INC.	NABISCO-365CREEK RD.NIAGARA-ON-THE-LAKE C/O 333 CENTENNIAL PARKWAY NORTH HAMILTON ON L8E 2X6	NNE/160.6	-1.34	65
19	EHS		329 Creek Rd St. David's ON	NE/178.9	0.46	65
20	WWIS		NOTL ON	ENE/193.4	0.70	65
21	WWIS		NIAGARA ON THE LAKE ON	ENE/194.3	0.70	67
22	WWIS		lot 87 ON	NNE/201.8	-1.54	69
23	EHS		275 Four Mile Creek Rd. St Davids ON	SSW/206.2	11.75	72
24	RSC	Cannery Park Developments Inc.	no municipal address NIAGARA-ON-THE-LAKE ON	NE/216.8	-0.38	72
25	CA	The Corporation of the Town of Niagara-on-the-Lake	383 Four Mile Creek Road Niagara-on-the-Lake ON	NNE/219.3	-1.54	72

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	ECA	The Regional Municipality of Niagara	383 Four Mile Creek Road Niagara-on-the-Lake ON	NNE/219.3	-1.54	73
25	SPL	The Regional Municipality of Niagara	East side of 4 Mile Creek Rd and just south of Line 9 ; 3450 Stanley Ave; 383 Four Mile Creek Rd Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake ON	NNE/219.3	-1.54	73
25	SPL	The Regional Municipality of Niagara	383 Four Mile Creek Rd Niagara-on-the-Lake ON	NNE/219.3	-1.54	73
25	SPL	The Regional Municipality of Niagara	383 Four Mile Creek Rd; 3450 Stanley Ave Niagara-on-the-Lake; Niagara Falls ON	NNE/219.3	-1.54	74
26	SCT	ALMEG CONTROLS	1437 York Rd St. Davids ON L0S 1P0	S/229.8	11.24	74
26	SCT	Almeg Controls	1437 York Rd St Davids ON L0S 1P0	S/229.8	11.24	74
27	WWIS		ST. DAVIDS ON	NNE/236.6	-1.54	75
28	SPL	MOTOR VEHICLE	YORK ROAD AT 4 MILE CREEK ROAD MOTOR VEHICLE (OPERATING FLUID) NIAGARA-ON-THE-LAKE TOWN ON	SSW/245.1	13.17	77
29	WWIS		ST. DAVIDS ON	WSW/251.2	9.50	77
30	GEN	Petro Canada	1401 York Road St. Davids ON L0S 1P0	SSW/286.7	14.46	79
30	GEN	Vintage Properties	1401 York Road Niagara-on-the-Lake ON L0S 1J0	SSW/286.7	14.46	79
30	RST	ST DAVIDS AUTO SERVICE CENTRE	1401 YORK NIAGARA REGION ON L0S 1J0	SSW/286.7	14.46	80
30	RST	ST DAVIDS AUTO SERVICE CENTRE	1401 YORK NIAGARA ON THE LAKE ON L0S1J0	SSW/286.7	14.46	80
30	RST	ST DAVIDS AUTO SERVICE CENTRE	1401 YORK NIALK ON L0S1J0	SSW/286.7	14.46	80
31	EXP	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON	SSW/288.9	14.14	80
31	FST	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	SSW/288.9	14.14	80
31	FST	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	SSW/288.9	14.14	81
31	FST	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	SSW/288.9	14.14	81
31	FST	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	SSW/288.9	14.14	81

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 10 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Cangro Fruit Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
Cannery Park Developments Inc.	329 Four Mile Creek Rd Niagara-On-The-Lake ON	21.6	3
NABISCO LIMITED	329 CREEK ROAD, ST. DAVID'S NIAGARA-ON-THE-LAKE TOWN ON	21.6	3
St. Davids Plant	329 Creek Road Niagara-On-The-Lake ON	21.6	3
Kraft Canada Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	21.6	3
	329 Creek Road Niagara-On-The-Lake ON	21.6	3
St. Davids Plant	329 Creek Road Niagara-On-The-Lake ON	21.6	3
NEWVILLE CLASSIC CANDLES INC.	358 CREEK ROAD, ST. DAVIDS NIAGARA-ON-THE-LAKE TOWN ON	67.6	8
The Corporation of the Town of Niagara-on-the-Lake	383 Four Mile Creek Road Niagara-on-the-Lake ON	219.3	25

EBR - Environmental Registry

A search of the EBR database, dated 1994-Apr 2017 has found that there are 3 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Nabisco Limited	329 CREEK ROAD Town of Niagara-on-the-Lake ON	21.6	3
Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
Newville Classic Candles Inc	358 Creek Road Town of Niagara-on-the-Lake ON	67.6	8

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 2017 has found that there are 1 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
The Regional Municipality of Niagara	383 Four Mile Creek Road Niagara-on-the-Lake ON	219.3	25

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 5 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	329 Four Mile Creek Road St. Davids ON L0S 1P0	21.6	3
	358 Four Mile Creek Road Niagara-On-The-Lake ON L0S 1P0	68.4	9
	329,340,358,365,383,412 Four Mile Creek Road Niagara-on-the-Lake ON	79.9	13
	329 Creek Rd St. David's ON	178.9	19
	275 Four Mile Creek Rd. St Davids ON	206.2	23

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 1 EXP site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON	288.9	31

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 4 FST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	288.9	31
1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	288.9	31
1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	288.9	31
1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE	1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	288.9	31

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 9 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Cannery Park Developments Inc	329 Four Mile Creek Rd St. Davids ON	21.6	3
NABISCO BRANDS LIMITED 28-387	329 CREEK ROAD ST. DAVIDS ON L0S 1P0	21.6	3
NABISCO BRANDS LIMITED	329 CREEK ROAD ST. DAVIDS ON L0S 1P0	21.6	3
ALRAIN HOLDINGS	329 FOUR MILE CREEK UNIT#333 NIAGARA ON THE LAKE ON	21.6	3
CANGRO FRUIT INC.	329 FOUR MILE CREEK ROAD ST. DAVIDS ON L0S 1P0	21.6	3
KRAFT CANADA INC.	329 FOUR MILE CREEK ROAD ST. DAVIDS ON L0S 1P0	21.6	3
Newville Classic Candles	358 Creek Road St. Davids ON L0S 1P0	67.6	8
Vintage Properties	1401 York Road Niagara-on-the-Lake ON L0S 1J0	286.7	30
Petro Canada	1401 York Road St. Davids ON L0S 1P0	286.7	30

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2014 has found that there are 11 NCPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	21.6	3
CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	21.6	3
Cannery Park Developments Inc.	329 Four Mile Creek Rd Niagara on the Lake ON	21.6	3
CanGro Foods Inc./Aliments Cangro Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
Cannery Park Developments Inc.	329 Four Mile Creek Rd Niagara on the Lake ON	21.6	3
CanGro Foods Inc./Aliments Cangro Inc.	329 Four Mile Creek Rd Niagara-On-The-Lake ON	21.6	3
CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	21.6	3
CanGro Foods Inc.	329 Four Mile Creek Road Niagara-on-the-Lake ON	21.6	3

Site	Address	Distance (m)	Map Key
Kraft Canada Inc.	329 Creek Road Niagara-On-The-Lake ON	21.6	3
Kraft Canada Inc.	329 Creek Road Niagara-On-The-Lake ON	21.6	3
Kraft Canada Inc.	Niagara-On-The-Lake ON	21.6	3

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-2014 has found that there are 4 NPRI site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CANGRO FRUIT INC.	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	21.6	3
CANGRO FRUIT INC.	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	30.5	4
KRAFT CANADA	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	30.5	4
CANGRO FRUIT INC.	329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	30.5	4

REC - Ontario Regulation 347 Waste Receivers Summary

A search of the REC database, dated 1986-2013 has found that there are 2 REC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
RONDAR INC.	NABISCO BRANDS INC. 365 CREEK ROAD NIAGARA-ON-THE-LAKE ON	160.6	18
RONDAR INC.	NABISCO-365CREEK RD.NIAGARA-ON-THE-LAKE C/O 333 CENTENNIAL PARKWAY NORTH HAMILTON ON L8E 2X6	160.6	18

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Apr 2017 has found that there are 1 RSC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Cannery Park Developments Inc.	no municipal address NIAGARA-ON-THE-LAKE ON	216.8	24

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999 - Oct 2016 has found that there are 3 RST site(s) within approximately 0.30 kilometers of

the project property.

Site	Address	Distance (m)	Map Key
ST DAVIDS AUTO SERVICE CENTRE	1401 YORK NIAGARA REGION ON L0S 1J0	286.7	30
ST DAVIDS AUTO SERVICE CENTRE	1401 YORK NIAGARA ON THE LAKE ON L0S1J0	286.7	30
ST DAVIDS AUTO SERVICE CENTRE	1401 YORK NIALK ON L0S1J0	286.7	30

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 13 SCT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Beamer Bayer International Ltd	346 Creek Rd Niagara-on-the-Lke ON L0S 1P0	14.5	2
Kraft Canada Inc.	329 Four Mile Creek Rd St Davids ON L0S 1P0	21.6	3
NABISCO LTD.	329 Creek Rd St. Davids ON L0S 1P0	21.6	3
NABISCO LTD. - GROCERY DIV.	329 CREEK RD ST DAVIDS ON L0S 1P0	21.6	3
Nabisco Ltd. - Nabisco Division	329 Creek Rd St. Davids ON	21.6	3
Kraft Canada Inc.	329 Creek Rd St. Davids ON	21.6	3
CanGro Foods Inc.	329 Four Mile Creek Rd St Davids ON L0S 1P0	21.6	3
NEWVILLE 88 CORPORATION	358 CREEK RD ST DAVIDS ON L0S 1P0	67.6	8
NEWVILLE PLASTIC CANDLES INCOR	358 CREEK RD ST. DAVIDS ON L0S 1P0	67.6	8
NEWVILLE PLASTIC CANDLES INC.	358 Creek Rd St. Davids ON L0S 1P0	67.6	8
Newville Classic Candles Inc.	358 Creek Rd St. Davids ON	67.6	8
Almeg Controls	1437 York Rd St Davids ON L0S 1P0	229.8	26
ALMEG CONTROLS	1437 York Rd St. Davids ON L0S 1P0	229.8	26

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2016 has found that there are 10 SPL site(s) within approximately 0.30 kilometers of the project property.

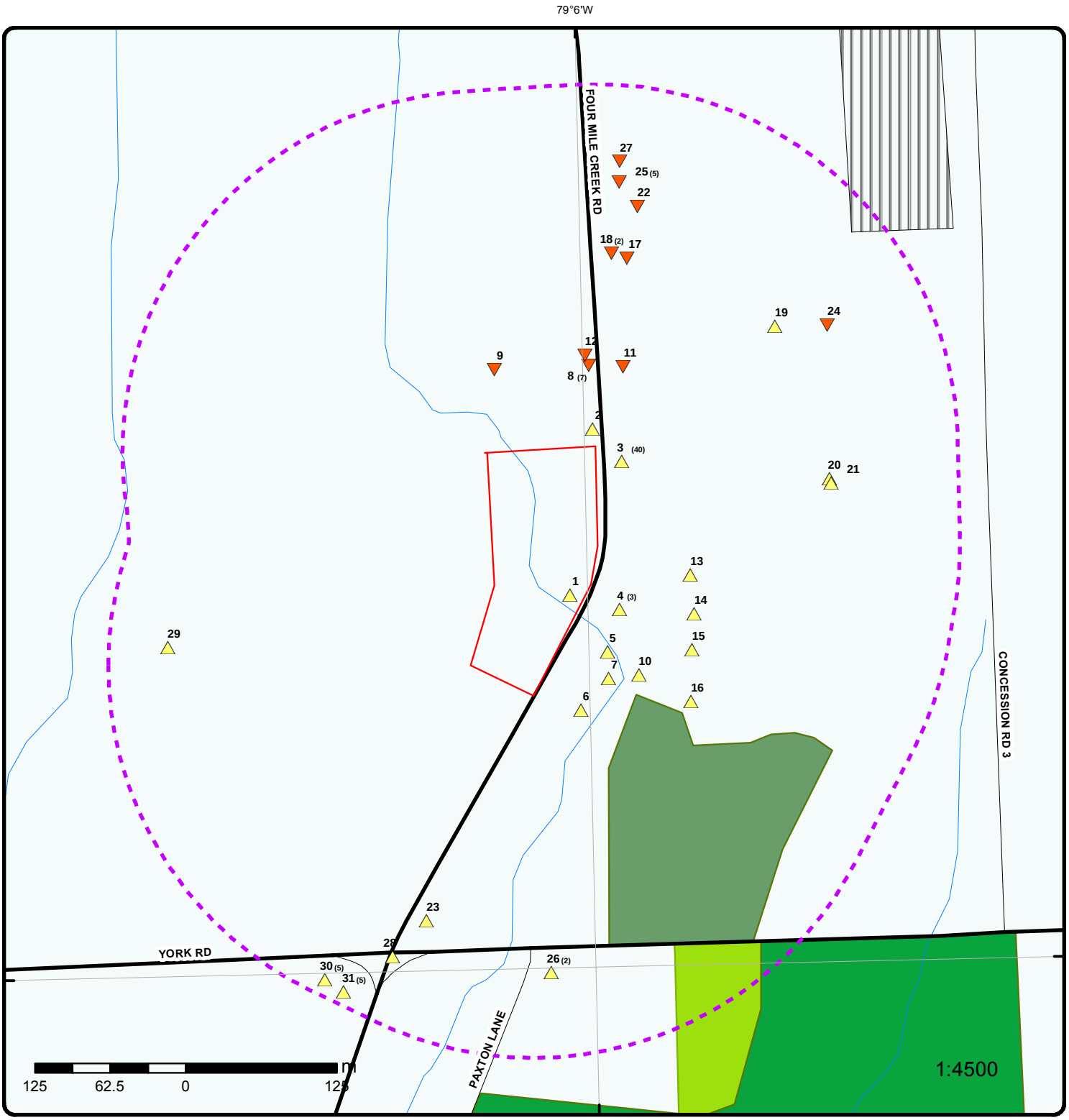
Site	Address	Distance (m)	Map Key
Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
Niagara Natrual Fruit Snack Company Inc.	Niagara Natural Fruit Snack 329 Four Mile Creek Road 905-262-8200<UNOFFICIAL> Niagara-on-the-Lake ON	21.6	3
Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
Cangro Fruit Inc.	329 Four Mile Creek Rd Niagara-On-The-Lake ON	21.6	3
Kraft Canada Inc.	329 Four Mile Creek Road Niagara-On-The-Lake ON	21.6	3
The Regional Municipality of Niagara	358 Four Mile Creek Rd; 3450 Stanley Ave; 383 Four Mile Creek Rd Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake ON	75.8	12
The Regional Municipality of Niagara	383 Four Mile Creek Rd Niagara-on-the-Lake ON	219.3	25
The Regional Municipality of Niagara	East side of 4 Mile Creek Rd and just south of Line 9 ; 3450 Stanley Ave; 383 Four Mile Creek Rd Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake ON	219.3	25
The Regional Municipality of Niagara	383 Four Mile Creek Rd; 3450 Stanley Ave Niagara-on-the-Lake; Niagara Falls ON	219.3	25
MOTOR VEHICLE	YORK ROAD AT 4 MILE CREEK ROAD MOTOR VEHICLE (OPERATING FLUID) NIAGARA-ON-THE-LAKE TOWN ON	245.1	28

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 15 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 89 ON	0.0	1
	lot 89 ON	37.7	5
	lot 89 ON	40.2	6
	lot 89 ON	48.7	7
	lot 89 ON	69.5	10
	lot 88 ON	69.6	11
	lot 89 ON	88.8	14
	lot 89 ON	99.0	15

Site	Address	Distance (m)	Map Key
	lot 89 ON	117.8	16
	lot 88 ON	157.9	17
	NOTL ON	193.4	20
	NIAGARA ON THE LAKE ON	194.3	21
	lot 87 ON	201.8	22
	ST. DAVIDS ON	236.6	27
	ST. DAVIDS ON	251.2	29



Map : 0.3 Kilometer Radius

Order No: 20170517081

Address: Four Mile Creek Road, Niagara-On-The-Lake, ON, L0S 1P0

ERIS
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°6'W

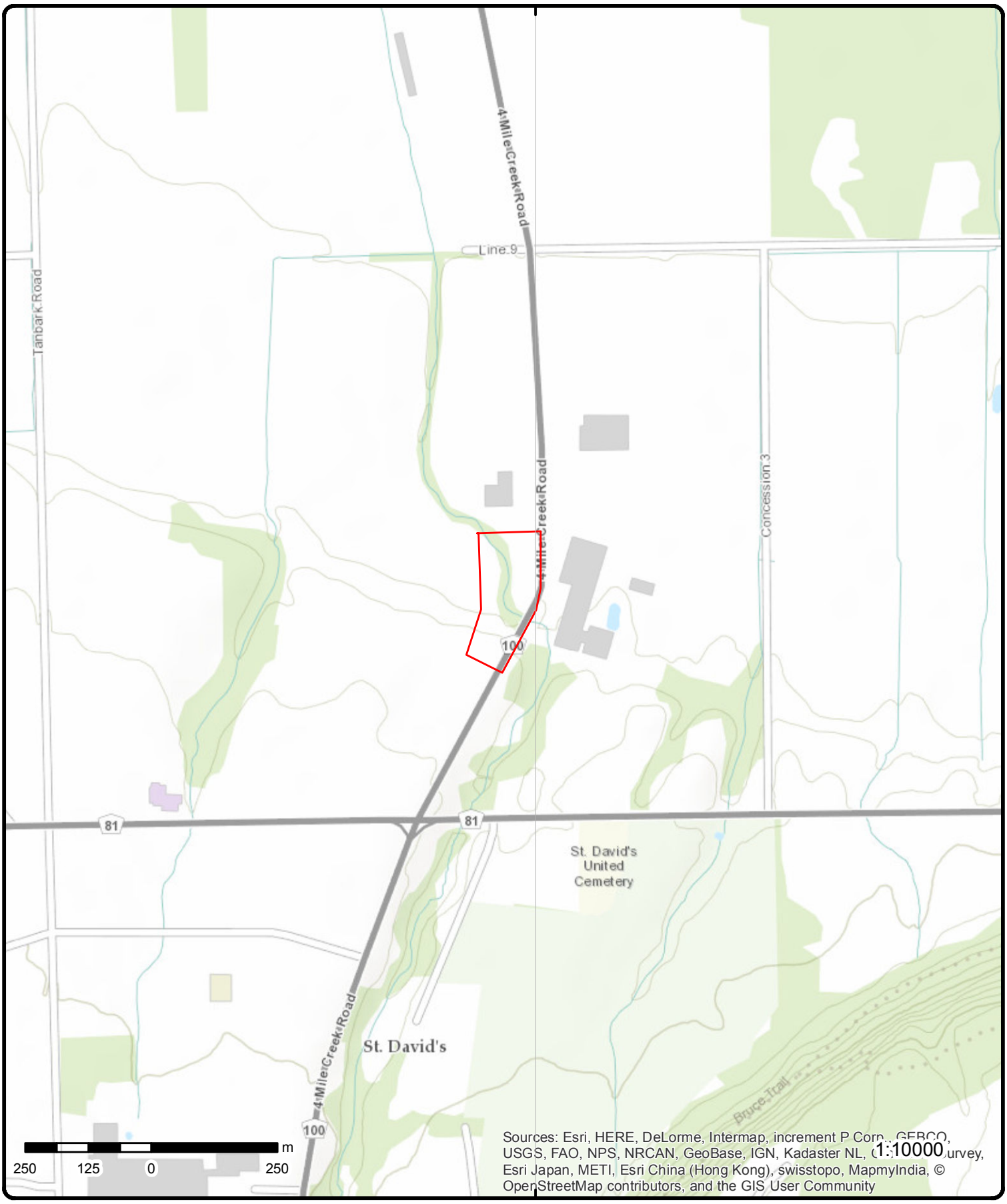
Aerial

Order No: 20170517081

Address: Four Mile Creek Road, Niagara-On-The-Lake, ON, L0S 1P0

ENVIRONMENTAL RISK INFORMATION SERVICES

Source: ESRI World Imagery



Topographic Map

Order No: 20170517081

Address: Four Mile Creek Road, Niagara-On-The-Lake, ON, L0S 1P0

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	-/0.0	107.8	lot 89 ON	WWIS

Well ID:	3801051	**Lot:**	089
Construction Date::		**Concession:**	
Primary Water Use::	Industrial	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	
County:	NIAGARA (LINCOLN)		

Bore Hole Information

--	--
Bore Hole ID:	10238835
DP2BR:	102
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	09-JUL-59
Remarks:	
Zone:	17
East 83:	654445.9
North 83:	4780458
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	109.13
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931739833
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	931739834
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY

Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	21
Formation End Depth UOM:	ft
--	--
Formation ID:	931739835
Layer:	3
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	21
Formation End Depth:	48
Formation End Depth UOM:	ft
--	--
Formation ID:	931739836
Layer:	4
General Color:	
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	48
Formation End Depth:	64
Formation End Depth UOM:	ft
--	--
Formation ID:	931739837
Layer:	5
General Color:	
Most Common Material:	FINE SAND
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	64
Formation End Depth:	99
Formation End Depth UOM:	ft
--	--
Formation ID:	931739838
Layer:	6
General Color:	
Most Common Material:	FINE SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	99
Formation End Depth:	102
Formation End Depth UOM:	ft
--	--
Formation ID:	931739839
Layer:	7
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	102
Formation End Depth:	108
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801051
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe ID:		10787405			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			

2	1 of 1	NNE/14.5	107.6	**Beamer Bayer International Ltd** **346 Creek Rd** **Niagara-on-the-Lke ON L0S 1P0**	SCT

Established:	1997
Plant Size (ft²):	
Employment:	2
--Details--	
Description:	All Other Electrical Equipment and Component Manufacturing
SIC/NAICS Code:	335990

3	1 of 40	NE/21.6	107.8	**Cangro Fruit Inc.** **329 Four Mile Creek Road** **Niagara-On-The-Lake ON**	CA

Certificate #:	7025-6Q5MK6
Application Year:	2006
Issue Date:	8/23/2006
Approval Type:	Industrial Sewage Works
Status:	Revoked and/or Replaced
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

3	2 of 40	NE/21.6	107.8	**Kraft Canada Inc.** **329 Four Mile Creek Road** **Niagara-On-The-Lake ON**	CA

Certificate #:	1954-622QFU
Application Year:	2005
Issue Date:	7/3/2005
Approval Type:	Air
Status:	Revoked and/or Replaced
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

3	3 of 40	NE/21.6	107.8	**Cannery Park Developments Inc.** **329 Four Mile Creek Rd** **Niagara-On-The-Lake ON**	CA

Certificate #:	4201-85JNFL

Application Year: 2010
Issue Date: 6/4/2010
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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3 | **4 of 40** | **NE/21.6** | **107.8** | **NABISCO LIMITED**
329 CREEK ROAD, ST. DAVID'S
NIAGARA-ON-THE-LAKE TOWN ON | **CA**

Certificate #: 4-0098-95-976
Application Year: 95
Issue Date: 2/19/97
Approval Type: Industrial wastewater
Status: Received in 1996, Issued in 1997
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: CONSOLIDATE 3 COFAS, CORP. NAME CHANGE
Contaminants:: Bod, Dissolved And/Or Suspended Solids, Phosphorus, Nitrogen - Ammonia & Ammonium, Other Physical Parameters, Temperature, Ph
Emission Control:: Screening & Grit Removal, Lagoons, Land Application

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3 | **5 of 40** | **NE/21.6** | **107.8** | **St. Davids Plant**
329 Creek Road
Niagara-On-The-Lake ON | **CA**

Certificate #: 4-0098-95-976
Application Year: 00
Issue Date: 12/22/00
Approval Type: Industrial sewage
Status: Approved
Application Type: Notice
Client Name:: Nabisco Brands Ltd
Client Address:: 10 Park Lawn Road
Client City:: Toronto
Client Postal Code:: M8Y 3H8
Project Description:: This is an application for an Amendment to an Industrial Sewage Works Certificate of Approval to construct a 4th lagoon cell with a working volume of 43,700 cubic metres.
Contaminants::
Emission Control::

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3 | **6 of 40** | **NE/21.6** | **107.8** | **St. Davids Plant**
329 Creek Road
Niagara-On-The-Lake ON | **CA**

Certificate #: 0824-4SZM3D
Application Year: 01
Issue Date: 8/31/01
Approval Type: Industrial sewage
Status: Approved
Application Type: New Certificate of Approval

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

Client Name:: Nabisco Brands Ltd
Client Address:: 10 Park Lawn Road
Client City:: Toronto
Client Postal Code:: M8Y 3H8
Project Description:: Installation of a Dechlorination System as a results of chlorination of incoming cooling water with discharge to Four Mile Creek
Contaminants::
Emission Control:: Dechlorination

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3 | ***7 of 40*** | ***NE/21.6*** | ***107.8*** | ***Kraft Canada Inc.***
329 Four Mile Creek Road
Niagara-on-the-Lake ON | ***CA***

Certificate #: 2872-6BUK6Q
Application Year: 2005
Issue Date: 6/7/2005
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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3 | ***8 of 40*** | ***NE/21.6*** | ***107.8*** | ***329 Creek Road***
Niagara-On-The-Lake ON | ***CA***

Certificate #: 9370-55ELXJ
Application Year: 01
Issue Date: 12/14/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Nabisco Ltd.
Client Address:: 10 Park Lawn Road
Client City:: Toronto
Client Postal Code:: M8Y 3H8
Project Description:: Nabisco Ltd. in St. Davids cans Del Monte peaches, pears and fruit salad. This application for the use and operation of a cooker.
Contaminants::
Emission Control::

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3 | ***9 of 40*** | ***NE/21.6*** | ***107.8*** | ***Nabisco Limited***
329 CREEK ROAD
Town of Niagara-on-the-Lake ON | ***EBR***

Company Name:
Year: 1997
Notice Type: Instrument
EBR Registry No.: IA7E0041
Instrument Type: OWRA s. 53(1) - Approval for sewage works
Proposal Date: 1/15/97
Ministry Ref. No.:
Location: Town of Niagara-on-the-Lake
Proponent Address: Nabisco Limited10 Park Lawn Road,Etobicoke, Ontario, M8Y 3H8
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	10 of 40	NE/21.6	107.8	Kraft Canada Inc. 329 Four Mile Creek Road Niagara-On-The-Lake ON	EBR

Company Name:
Year: 2004
Notice Type: Instrument Decision
EBR Registry No.: IA04E0075
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Ministry Ref. No.: 9659-5V8RBF
Location: 329 Four Mile Creek Road Niagara-On-The-Lake
Proponent Address: 329 Four Mile Creek Road St. Davids Ontario L0S 1P0
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	11 of 40	NE/21.6	107.8	329 Four Mile Creek Road St. Davids ON L0S 1P0	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20051111034
Addit. Info Ordered::
Report Date: 11/15/2005
Report Type: Site Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	12 of 40	NE/21.6	107.8	Cannery Park Developments Inc 329 Four Mile Creek Rd St. Davids ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON9701480
Approval Yrs:: 2012
SIC Code: 111999
SIC Description: All Other Miscellaneous Crop Farming

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
3	13 of 40	NE/21.6	107.8	NABISCO BRANDS LIMITED 329 CREEK ROAD ST. DAVIDS ON L0S 1P0	28-387	GEN

PO Box Num:
Status:
Country:
Generator #: ON0128109
Approval Yrs:: 92,93,94,95,96
SIC Code: 1031
SIC Description: CANNED FRUIT & VEG.

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	14 of 40	NE/21.6	107.8	NABISCO BRANDS LIMITED 329 CREEK ROAD ST. DAVIDS ON L0S 1P0	GEN

PO Box Num:
Status:
Country:
Generator #: ON0128109
Approval Yrs:: 97,98,99,00,01
SIC Code: 1031
SIC Description: CANNED FRUIT & VEG.

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	15 of 40	NE/21.6	107.8	ALRAIN HOLDINGS 329 FOUR MILE CREEK UNIT#333 NIAGARA ON THE LAKE ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON7968350
Approval Yrs:: 2012
SIC Code: 551113
SIC Description: Holding Companies

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	16 of 40	NE/21.6	107.8	KRAFT CANADA INC. 329 FOUR MILE CREEK ROAD ST. DAVIDS ON L0S 1P0	GEN

PO Box Num:
Status:
Country:
Generator #: ON0128109
Approval Yrs:: 02,03,04
SIC Code: 311420

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

SIC Description: Fruit & Vegetable Canning, Pickling & Drying

--Details--

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 253
Waste Description: EMULSIFIED OILS

3	17 of 40	NE/21.6	107.8	CANGRO FRUIT INC. 329 FOUR MILE CREEK ROAD ST. DAVIDS ON L0S 1P0	GEN

PO Box Num:
Status:
Country:
Generator #: ON0128109
Approval Yrs:: 05,06,07,08
SIC Code: 311420
SIC Description: Fruit and Vegetable Canning Pickling and Drying

--Details--

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 265
Waste Description: GRAPHIC ART WASTES

Waste Code: 265
Waste Description: GRAPHIC ART WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 268
Waste Description: AMINES

Waste Code: 135
Waste Description: REACTIVE ANION WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148

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

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 253
Waste Description: EMULSIFIED OILS

3	18 of 40	NE/21.6	107.8	CanGro Foods Inc. 329 Four Mile Creek Road Niagara-on-the-Lake ON	NCPL

Year: 2007
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A/Permit Non-Compliance
Contaminant:: AMMONIA NITROGEN
Status Report::

--Details--
Incident Date: 6/6/2007
Limit/Unit/Freq: 0.5 mg/L
Quantity Min/Max: 1.73/1.73
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Incident Date: 6/8/2007
Limit/Unit/Freq: 0.5 mg/L
Quantity Min/Max: 1.77/1.77
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Incident Date: 6/12/2007
Limit/Unit/Freq: 0.5 mg/L
Quantity Min/Max: 1.33/1.33
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Incident Date: 6/14/2007
Limit/Unit/Freq: 0.5 mg/L
Quantity Min/Max: 0.68/0.68
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	19 of 40	NE/21.6	107.8	CanGro Foods Inc. 329 Four Mile Creek Road Niagara-on-the-Lake ON	NCPL

Year: 2007
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A/Permit Non-Compliance
Contaminant:: PHOSPHORUS
Status Report::

--Details--
Incident Date: 6/8/2007
Limit/Unit/Freq: 0.3 mg/L
Quantity Min/Max: 0.33/0.33
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Incident Date: 6/12/2007
Limit/Unit/Freq: 0.3 mg/L
Quantity Min/Max: 0.33/0.33
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Incident Date: 6/14/2007
Limit/Unit/Freq: 0.3 mg/L
Quantity Min/Max: 0.47/0.47
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	20 of 40	NE/21.6	107.8	CanGro Foods Inc./Aliments Cangro Inc. 329 Four Mile Creek Rd Niagara-On-The-Lake ON	NCPL

Year: 2008
Discharge Type: Industrial Sewage
Sector: Miscellaneous Industrial
Type of Concern: CofA/Permit Non-Compliance
Contaminant:: SUSPENDED SOLIDS
Status Report::

--Details--
Incident Date: 4/22/2008
Limit/Unit/Freq: 25 mg/L
Quantity Min/Max: 35/35
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	21 of 40	NE/21.6	107.8	CanGro Foods Inc. 329 Four Mile Creek Road Niagara-on-the-Lake ON	NCPL

Year: 2007
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A/Permit Non-Compliance
Contaminant:: CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND
Status Report::

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

--Details--

Incident Date:	6/8/2007
Limit/Unit/Freq:	15 mg/L
Quantity Min/Max:	20/20
Facility Action:	Ceased Operations
Ministry Action:	Assessment Complete - No Action Required

Incident Date:	6/14/2007
Limit/Unit/Freq:	15 mg/L
Quantity Min/Max:	19/19
Facility Action:	Ceased Operations
Ministry Action:	Assessment Complete - No Action Required

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	***22 of 40***	***NE/21.6***	***107.8***	***CanGro Foods Inc.*** ***329 Four Mile Creek Road*** ***Niagara-on-the-Lake ON***	***NCPL***

Year:	2007
Discharge Type:	Industrial Sewage
Sector:	Miscellaneous
Type of Concern:	C of A/Permit Non-Compliance
Contaminant::	SUSPENDED SOLIDS
Status Report::	

--Details--

Incident Date:	5/31/2007
Limit/Unit/Freq:	25 mg/L
Quantity Min/Max:	35/35
Facility Action:	Ceased Operations
Ministry Action:	Assessment Complete - No Action Required

Incident Date:	6/6/2007
Limit/Unit/Freq:	25 mg/L
Quantity Min/Max:	28/28
Facility Action:	Ceased Operations
Ministry Action:	Assessment Complete - No Action Required

Incident Date:	6/8/2007
Limit/Unit/Freq:	25 mg/L
Quantity Min/Max:	80/80
Facility Action:	Ceased Operations
Ministry Action:	Assessment Complete - No Action Required

Incident Date:	6/14/2007
Limit/Unit/Freq:	25 mg/L
Quantity Min/Max:	60/60
Facility Action:	Ceased Operations
Ministry Action:	Assessment Complete - No Action Required

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	***23 of 40***	***NE/21.6***	***107.8***	***Kraft Canada Inc.*** ***329 Creek Road*** ***Niagara-On-The-Lake ON***	***NCPL***

Year:	2003
Discharge Type:	Industrial Sewage
Sector:	Miscellaneous
Type of Concern:	C of A Non-Compliance
Contaminant::	Total Suspended Solids
Status Report::	

--Details--

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

Incident Date: 4/9/2003
Limit/Unit/Freq: 25 mg/L any
Quantity Min/Max: 36/
Facility Action: None
Ministry Action: Assessment Complete - No Further Action Required

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3 | ***24 of 40*** | ***NE/21.6*** | ***107.8*** | ***Kraft Canada Inc.***
329 Creek Road
Niagara-On-The-Lake ON | ***NCPL***

Year: 2003
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A Non-Compliance
Contaminant:: Phosphorus
Status Report::

--Details--
Incident Date: 6/3/2003
Limit/Unit/Freq: 0.3 mg/L any
Quantity Min/Max: 0.32/
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Further Action Required

---

3 | ***25 of 40*** | ***NE/21.6*** | ***107.8*** | ***Kraft Canada Inc.***

Niagara-On-The-Lake ON | ***NCPL***

Year: 2004
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A Non-Compliance
Contaminant:: TOTAL SUSPENDED SOLIDS
Status Report::

--Details--
Incident Date: 5/21/2004
Limit/Unit/Freq: 25 mg/L any
Quantity Min/Max: 38/
Facility Action: None required
Ministry Action: Assessment Complete - No Further Action Required

---

3 | ***26 of 40*** | ***NE/21.6*** | ***107.8*** | ***Cannery Park Developments Inc.***
329 Four Mile Creek Rd
Niagara on the Lake ON | ***NCPL***

Year: 2009
Discharge Type: Industrial Sewage
Sector: Miscellaneous Industrial
Type of Concern: CofA/Permit Non-Compliance
Contaminant:: HIGH PH EFFLUENT
Status Report::

--Details--
Incident Date: 3/19/2009
Limit/Unit/Freq: 8.5 pH
Quantity Min/Max: 8.61/8.61
Facility Action: Other

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

Ministry Action: Assessment Complete - No Action Required

---

3 | ***27 of 40*** | ***NE/21.6*** | ***107.8*** | ***CanGro Foods Inc./Aliments Cangro Inc.***
329 Four Mile Creek Road
Niagara-On-The-Lake ON | ***NCPL***

Year: 2006
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A/Permit Non-Compliance
Contaminant:: PHOSPHORUS
Status Report::

--Details--
Incident Date: 3/30/2006
Limit/Unit/Freq: 0.3 mg/L
Quantity Min/Max: 0.39/0.39
Facility Action: Ceased Operations
Ministry Action: Assessment underway

Incident Date: 4/3/2006
Limit/Unit/Freq: 0.3 mg/L
Quantity Min/Max: 0.48/0.48
Facility Action: Ceased Operations
Ministry Action: Assessment Complete - No Action Required

Incident Date: 5/18/2006
Limit/Unit/Freq: 0.3 mg/L
Quantity Min/Max: 0.38/0.38
Facility Action: None Required
Ministry Action: Assessment Complete - No Action Required

---

3 | ***28 of 40*** | ***NE/21.6*** | ***107.8*** | ***Cannery Park Developments Inc.***
329 Four Mile Creek Rd
Niagara on the Lake ON | ***NCPL***

Year: 2009
Discharge Type: Industrial Sewage
Sector: Miscellaneous Industrial
Type of Concern: CofA/Permit Non-Compliance
Contaminant:: SUSPENDED SOLIDS
Status Report::

--Details--
Incident Date: 3/19/2009
Limit/Unit/Freq: 25 mg/l
Quantity Min/Max: 29/30
Facility Action: Other
Ministry Action: Assessment complete - no action required

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3 | ***29 of 40*** | ***NE/21.6*** | ***107.8*** | ***CANGRO FRUIT INC.***
329 FOUR MILE CREEK Road
ST. DAVIDS ON L0S1P0 | ***NPRI***

Longitude:
NPRI #: 8800000207
Year: 2004
Latitude:

--Details--

Units: tonnes
Air:
Water:
Substances Released: Nitrous oxide
Land:

Units: tonnes
Air:
Water:
Substances Released: Nitrogen oxides (expressed as NO2)
Land:

Units: tonnes
Air:
Water:
Substances Released: Carbon dioxide
Land:

Units: tonnes
Air:
Water:
Substances Released: Carbon monoxide
Land:

Units: tonnes
Air:
Water:
Substances Released: Sulphur dioxide
Land:

Units: tonnes
Air:
Water:
Substances Released: Methane
Land:

Units: tonnes
Air:
Water:
Substances Released: HFC-134a Hydrofluorocarbon
Land:

Units: tonnes
Air:
Water:
Substances Released: PM - Total Particulate Matter
Land:

Units: tonnes
Air:
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air:
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

Units: tonnes
Air:
Water:
Substances Released: Volatile Organic Compounds (VOCs)

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Land:					
3	30 of 40	NE/21.6	107.8	Kraft Canada Inc. 329 Four Mile Creek Rd St Davids ON L0S 1P0	SCT

Established: 1900
Plant Size (ft²): 110000
Employment: 350

--Details--
Description: Fruit and Vegetable Canning, Pickling and Drying
SIC/NAICS Code: 311420

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	31 of 40	NE/21.6	107.8	Kraft Canada Inc. 329 Creek Rd St. Davids ON	SCT

Established: 1900
Plant Size (ft²): 110000
Employment: 350

--Details--
Description: Fruit and Vegetable Canning, Pickling and Drying
SIC/NAICS Code: 311420

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	32 of 40	NE/21.6	107.8	CanGro Foods Inc. 329 Four Mile Creek Rd St Davids ON L0S 1P0	SCT

Established: 1900
Plant Size (ft²): 110000
Employment:

--Details--
Description: Fruit and Vegetable Canning, Pickling and Drying
SIC/NAICS Code: 311420

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	33 of 40	NE/21.6	107.8	Nabisco Ltd. - Nabisco Division 329 Creek Rd St. Davids ON	SCT

Established: 1900
Plant Size (ft²): 110000
Employment: 350

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	34 of 40	NE/21.6	107.8	NABISCO LTD. - GROCERY DIV. 329 CREEK RD ST DAVIDS ON L0S 1P0	SCT

Established: 0000
Plant Size (ft²): 110000
Employment: 350

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

--Details--
Description: CANNED FRUITS, VEGETABLES, PRESERVES, JAMS AND JELLIES
SIC/NAICS Code: 2033

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3 | ***35 of 40*** | ***NE/21.6*** | ***107.8*** | ***NABISCO LTD.***
329 Creek Rd
St. Davids ON L0S 1P0 | ***SCT***

Established: 0000
Plant Size (ft²): 110000
Employment: 350

--Details--
Description: Fruit and Vegetable Canning, Pickling and Drying
SIC/NAICS Code: 311420

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3 | ***36 of 40*** | ***NE/21.6*** | ***107.8*** | ***Cangro Fruit Inc.***
329 Four Mile Creek Rd
Niagara-On-The-Lake ON | ***SPL***

Ref No: 6253-76CNPJ
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Dt:
Incident Reason: Process upset
Incident Summary: Cangro - u/k quant oily water to 4 Mile Creek
MOE Reported Dt: 8/23/2007
Environmental Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class:
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Dysart et al; Dysart et al

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3 | ***37 of 40*** | ***NE/21.6*** | ***107.8*** | ***Kraft Canada Inc.***
329 Four Mile Creek Road
Niagara-On-The-Lake ON | ***SPL***

Ref No: 4514-67HVRJ
Contaminant Code: 38
Contaminant Name: FREON R-22 (CFC)
Contaminant Quantity: 100 kg
Incident Cause:
Incident Dt: 12/9/2004
Incident Reason:
Incident Summary: Kraft-100 KG R-22 to Atm
MOE Reported Dt: 12/9/2004
Environmental Impact:
Nature of Impact:
Receiving Medium: Air
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Niagara-On-The-Lake

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	38 of 40	NE/21.6	107.8	Niagara Natrual Fruit Snack Company Inc. Niagara Natural Fruit Snack 329 Four Mile Creek Road 905-262-8200<UNOFFICIAL> Niagara-on-the-Lake ON	SPL

Ref No:	7484-82DRC8
Contaminant Code:	41
Contaminant Name:	PROCESS WATER (NOT OTHERWISE SPECIFIED)
Contaminant Quantity:	
Incident Cause:	
Incident Dt:	
Incident Reason:	
Incident Summary:	Niagara Natural Fruit Snack-Ukn Qty Process Water to Ditch
MOE Reported Dt:	2/5/2010
Environmental Impact:	Not Anticipated
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	39 of 40	NE/21.6	107.8	Kraft Canada Inc. 329 Four Mile Creek Road Niagara-On-The-Lake ON	SPL

Ref No:	2642-6G5G6D
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	Pipe Or Hose Leak
Incident Dt:	9/11/2005
Incident Reason:	Unknown - Reason not determined
Incident Summary:	Kraft Canada: Unknown amt. of plant effluent to dtich.
MOE Reported Dt:	9/11/2005
Environmental Impact:	Possible
Nature of Impact:	Other Impact(s); Surface Water Pollution
Receiving Medium:	Water
SAC Action Class:	Spills to Land
Sector Source Type:	Other Plant
Receiving Environment:	
Incident Event:	
Site Municipality:	Niagara-On-The-Lake

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	40 of 40	NE/21.6	107.8	Kraft Canada Inc. 329 Four Mile Creek Road Niagara-On-The-Lake ON	SPL

Ref No:	4720-63PR84
Contaminant Code:	41
Contaminant Name:	WASTEWATER N.O.S.
Contaminant Quantity:	
Incident Cause:	Process Upset
Incident Dt:	8/9/2004
Incident Reason:	Other - Reason not otherwise defined
Incident Summary:	Kraft Canada: plant wastewater to grd.
MOE Reported Dt:	8/9/2004
Environmental Impact:	Not Anticipated
Nature of Impact:	Soil Contamination

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Receiving Medium:		Land			
SAC Action Class:		Spill to Land			
Sector Source Type:					
Receiving Environment:					
Incident Event:					
Site Municipality:		Niagara-On-The-Lake			

4	1 of 3	ESE/30.5	110.1	KRAFT CANADA 329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	NPRI

Longitude:	-79.0997
NPRI #:	0000011225
Year:	2005
Latitude:	43.161
--Details--	
Units:	tonnes
Air:	.3
Water:	
Substances Released:	PM2.5 - Particulate Matter <= 2.5 Microns
Land:	

4	2 of 3	ESE/30.5	110.1	CANGRO FRUIT INC. 329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	NPRI

Longitude:	-79.0997
NPRI #:	0000011225
Year:	2007
Latitude:	43.161
--Details--	
Units:	tonnes
Air:	.447
Water:	
Substances Released:	PM2.5 - Particulate Matter <= 2.5 Microns
Land:	

4	3 of 3	ESE/30.5	110.1	CANGRO FRUIT INC. 329 FOUR MILE CREEK Road ST. DAVIDS ON L0S1P0	NPRI

Longitude:	-79.0997
NPRI #:	0000011225
Year:	2006
Latitude:	43.161
--Details--	
Units:	tonnes
Air:	.349
Water:	
Substances Released:	PM2.5 - Particulate Matter <= 2.5 Microns
Land:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	1 of 1	SE/37.7	110.0	lot 89 ON	WWIS

Well ID:	3801052	**Lot:**	089
Construction Date::		**Concession:**	
Primary Water Use::	Not Used	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	
County:	NIAGARA (LINCOLN)		

Bore Hole Information

--	--
Bore Hole ID:	10238836
DP2BR:	110
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	15-JUL-59
Remarks:	
Zone:	17
East 83:	654476.9
North 83:	4780411
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	110.92
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931739840
Layer:	1
General Color:	
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	931739841
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	MUCK
Formation Top Depth:	1
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	931739842
Layer:	3
General Color:	BROWN
Most Common Material:	CLAY

Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	10
Formation End Depth UOM:	ft
--	--
Formation ID:	931739843
Layer:	4
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Formation ID:	931739844
Layer:	5
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	54
Formation End Depth UOM:	ft
--	--
Formation ID:	931739845
Layer:	6
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	54
Formation End Depth:	74
Formation End Depth UOM:	ft
--	--
Formation ID:	931739846
Layer:	7
General Color:	
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	74
Formation End Depth:	98
Formation End Depth UOM:	ft
--	--
Formation ID:	931739847
Layer:	8
General Color:	
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	GRAVEL
Formation Top Depth:	98
Formation End Depth:	101
Formation End Depth UOM:	ft
--	--
Formation ID:	931739848
Layer:	9
General Color:	
Most Common Material:	GRAVEL
Other Materials:	MEDIUM SAND
Other Materials:	BOULDERS
Formation Top Depth:	101
Formation End Depth:	103
Formation End Depth UOM:	ft
--	--

Formation ID:	931739849
Layer:	10
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	103
Formation End Depth:	104
Formation End Depth UOM:	ft
--	--
Formation ID:	931739850
Layer:	11
General Color:	
Most Common Material:	GRAVEL
Other Materials:	MEDIUM SAND
Other Materials:	BOULDERS
Formation Top Depth:	104
Formation End Depth:	107
Formation End Depth UOM:	ft
--	--
Formation ID:	931739851
Layer:	12
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	107
Formation End Depth:	110
Formation End Depth UOM:	ft
--	--
Formation ID:	931739852
Layer:	13
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	110
Formation End Depth:	113
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801052
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787406
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404496
Layer:	1
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--

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

6	1 of 1	SSE/40.2	112.0	lot 89 ON	WWIS

Well ID:	3801049	**Lot:**	089
Construction Date::		**Concession:**	
Primary Water Use::	Industrial	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Water Supply	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	
County:	NIAGARA (LINCOLN)		

Bore Hole Information

--	--
Bore Hole ID:	10238833
DP2BR:	106
Code OB:	h
Code OB Description:	Mixed in a Layer
Open Hole:	
Date Completed:	06-JUL-59
Remarks:	
Zone:	17
East 83:	654454.9
North 83:	4780363
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	113.51
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931739813
Layer:	1
General Color:	
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	931739814
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	FILL
Other Materials:	MUCK
Formation Top Depth:	1
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	931739815

Layer:	3
General Color:	
Most Common Material:	FINE SAND
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	10
Formation End Depth UOM:	ft
--	--
Formation ID:	931739816
Layer:	4
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Formation ID:	931739817
Layer:	5
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	55
Formation End Depth UOM:	ft
--	--
Formation ID:	931739818
Layer:	6
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	73
Formation End Depth UOM:	ft
--	--
Formation ID:	931739819
Layer:	7
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	SILT
Other Materials:	CLAY
Formation Top Depth:	73
Formation End Depth:	104
Formation End Depth UOM:	ft
--	--
Formation ID:	931739820
Layer:	8
General Color:	
Most Common Material:	GRAVEL
Other Materials:	BOULDERS
Other Materials:	
Formation Top Depth:	104
Formation End Depth:	106
Formation End Depth UOM:	ft
--	--
Formation ID:	931739821
Layer:	9
General Color:	
Most Common Material:	BOULDERS
Other Materials:	SHALE
Other Materials:	
Formation Top Depth:	106

Formation End Depth:	107
Formation End Depth UOM:	ft
--	--
Formation ID:	931739822
Layer:	10
General Color:	
Most Common Material:	GRAVEL
Other Materials:	BOULDERS
Other Materials:	
Formation Top Depth:	107
Formation End Depth:	114
Formation End Depth UOM:	ft
--	--
Formation ID:	931739823
Layer:	11
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	114
Formation End Depth:	116
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801049
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787403
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404493
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933342138
Layer:	1
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801049
Pump Set At:	

Static Level:	2
Final Level After Pumping:	19
Recommended Pump Depth:	
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	5
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933706796
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73
Water Found Depth UOM:	ft
--	--
--	--

7 ***1 of 1*** ***SSE/48.7*** ***110.4*** ***lot 89 ON*** ***WWIS***

Well ID:	3801050	***Lot:***	089
Construction Date::		***Concession:***	
Primary Water Use::	Not Used	***Concession Name:***	
Sec. Water Use::		***Easting NAD83::***	
Final Well Status::	Test Hole	***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	***UTM Reliability::***	
County:	NIAGARA (LINCOLN)		

Bore Hole Information	
--	--
Bore Hole ID:	10238834
DP2BR:	113
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	07-JUL-59
Remarks:	
Zone:	17
East 83:	654477.9
North 83:	4780389
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	111.18
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931739824
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	931739825
Layer:	2
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	6
Formation End Depth UOM:	ft
--	--
Formation ID:	931739826
Layer:	3
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	14
Formation End Depth UOM:	ft
--	--
Formation ID:	931739827
Layer:	4
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	57
Formation End Depth UOM:	ft
--	--
Formation ID:	931739828
Layer:	5
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	57
Formation End Depth:	65
Formation End Depth UOM:	ft
--	--
Formation ID:	931739829
Layer:	6
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	65
Formation End Depth:	104
Formation End Depth UOM:	ft
--	--
Formation ID:	931739830
Layer:	7
General Color:	

Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	GRAVEL
Formation Top Depth:	104
Formation End Depth:	107
Formation End Depth UOM:	ft
--	--
Formation ID:	931739831
Layer:	8
General Color:	
Most Common Material:	GRAVEL
Other Materials:	MEDIUM SAND
Other Materials:	BOULDERS
Formation Top Depth:	107
Formation End Depth:	113
Formation End Depth UOM:	ft
--	--
Formation ID:	931739832
Layer:	9
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	113
Formation End Depth:	116
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801050
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787404
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404494
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	104
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930404495
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	116
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801050
Pump Set At:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	2				
Water State After Test:	CLOUDY				
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:	N				
--	--				
--	--				

8	***1 of 7***	***NNE/67.6***	***106.8***	***NEWVILLE CLASSIC CANDLES INC.*** ***358 CREEK ROAD, ST. DAVIDS*** ***NIAGARA-ON-THE-LAKE TOWN ON***	***CA***

Certificate #:	8-2153-99-
Application Year:	99
Issue Date:	10/1/1999
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	VENTILATION FOR CANDLE MFG. PROCESS
Contaminants::	
Emission Control::	

8	***2 of 7***	***NNE/67.6***	***106.8***	***Newville Classic Candles Inc*** ***358 Creek Road*** ***Town of Niagara-on-the-Lake ON***	***EBR***

Company Name:	
Year:	1999
Notice Type:	Instrument
EBR Registry No.:	IA9E0910
Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date:	7/29/99
Ministry Ref. No.:	
Location:	Town of Niagara-on-the-Lake
Proponent Address:	Newville Classic Candles Inc.358 Creek Road,St. David's, Ontario, L0S 1P0
Notice Date:	

8	***3 of 7***	***NNE/67.6***	***106.8***	***Newville Classic Candles*** ***358 Creek Road*** ***St. Davids ON L0S 1P0***	***GEN***

PO Box Num:	
Status:	
Country:	
Generator #:	ON6119101
Approval Yrs::	05
SIC Code:	339990
SIC Description:	All Other Miscellaneous Manufacturing

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

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

---

8 ***4 of 7*** ***NNE/67.6*** ***106.8*** ***Newville Classic Candles Inc.*** ***SCT***
358 Creek Rd
St. Davids ON

Established: 1988
Plant Size (ft²): 15000
Employment: 40

---

8 ***5 of 7*** ***NNE/67.6*** ***106.8*** ***NEWVILLE PLASTIC CANDLES INC.*** ***SCT***
358 Creek Rd
St. Davids ON L0S 1P0

Established: 1988
Plant Size (ft²): 15000
Employment: 40

--Details--
Description: All Other Miscellaneous Manufacturing
SIC/NAICS Code: 339990

---

8 ***6 of 7*** ***NNE/67.6*** ***106.8*** ***NEWVILLE PLASTIC CANDLES INCOR*** ***SCT***
358 CREEK RD
ST. DAVIDS ON L0S 1P0

Established: 1988
Plant Size (ft²): 15000
Employment: 40

--Details--
Description: All Other Miscellaneous Manufacturing
SIC/NAICS Code: 339990

Description: All Other Wholesaler-Distributors
SIC/NAICS Code: 418990

---

8 ***7 of 7*** ***NNE/67.6*** ***106.8*** ***NEWVILLE 88 CORPORATION*** ***SCT***
358 CREEK RD
ST DAVIDS ON L0S 1P0

Established: 1988
Plant Size (ft²): 15000
Employment: 40

--Details--
Description: MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 3999

Description: NONDURABLE GOODS, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 5199

---

9 | **1 of 1** | **NNW/68.4** | **105.8** | **358 Four Mile Creek Road, Niagara-On-The-Lake ON L0S 1P0** | **EHS**

Postal Code: L0S 1P0
City: Niagara-On-The-Lake
Address2:
Address1: 358 Four Mile Creek Road
Provstate: ON
Order No.: 20160209027
Addit. Info Ordered::
Report Date: 16-FEB-16
Report Type: RSC Report (Rural)
Search Radius (km): .3

---

10 | **1 of 1** | **SE/69.5** | **112.1** | **lot 89, ON** | **WWIS**

Well ID: 3801053
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Test Hole
Specific Capacity::
Municipality: NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)
County: NIAGARA (LINCOLN)
Lot: 089
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 10238837
DP2BR: 114
Code OB: r
Code OB Description: Bedrock
Open Hole:
Date Completed: 17-JUL-59
Remarks:
Zone: 17
East 83: 654502.9
North 83: 4780392
UTMRC: 5
UTMRC Description: margin of error : 100 m - 300 m
Location Method: p5
Org CS:
Elevation: 112.5
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:

Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931739853
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	931739854
Layer:	2
General Color:	
Most Common Material:	FINE SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	9
Formation End Depth UOM:	ft
--	--
Formation ID:	931739855
Layer:	3
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	9
Formation End Depth:	16
Formation End Depth UOM:	ft
--	--
Formation ID:	931739856
Layer:	4
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	16
Formation End Depth:	54
Formation End Depth UOM:	ft
--	--
Formation ID:	931739857
Layer:	5
General Color:	RED
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	54
Formation End Depth:	64
Formation End Depth UOM:	ft
--	--
Formation ID:	931739858
Layer:	6
General Color:	RED
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	64
Formation End Depth:	101
Formation End Depth UOM:	ft
--	--

Formation ID:	931739859
Layer:	7
General Color:	
Most Common Material:	FINE SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	101
Formation End Depth:	105
Formation End Depth UOM:	ft
--	--
Formation ID:	931739860
Layer:	8
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	105
Formation End Depth:	112
Formation End Depth UOM:	ft
--	--
Formation ID:	931739861
Layer:	9
General Color:	
Most Common Material:	BOULDERS
Other Materials:	MEDIUM SAND
Other Materials:	GRAVEL
Formation Top Depth:	112
Formation End Depth:	114
Formation End Depth UOM:	ft
--	--
Formation ID:	931739862
Layer:	10
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	114
Formation End Depth:	117
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801053
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787407
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404497
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--

--	--
Construction Record - Screen	
--	--
Screen ID:	933342139
Layer:	1
Slot:	
Screen Top Depth:	105
Screen End Depth:	114
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801053
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
11	1 of 1	NNE/69.6	107.2	lot 88 ON	WWIS

Well ID:	3801045	**Lot:**	088
Construction Date::		**Concession:**	
Primary Water Use::	Not Used	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	
County:	NIAGARA (LINCOLN)		

Bore Hole Information

--	--
Bore Hole ID:	10238829
DP2BR:	100
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	06-JUL-59
Remarks:	
Zone:	17
East 83:	654489.9
North 83:	4780647
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	107.39
Elevrc:	

Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931739792
Layer:	1
General Color:	
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	931739793
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Formation ID:	931739794
Layer:	3
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	45
Formation End Depth UOM:	ft
--	--
Formation ID:	931739795
Layer:	4
General Color:	
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	45
Formation End Depth:	50
Formation End Depth UOM:	ft
--	--
Formation ID:	931739796
Layer:	5
General Color:	RED
Most Common Material:	MEDIUM SAND
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	50
Formation End Depth:	100
Formation End Depth UOM:	ft
--	--
Formation ID:	931739797
Layer:	6
General Color:	RED
Most Common Material:	SHALE
Other Materials:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Formation Top Depth:	100				
Formation End Depth:	110				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	963801045				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	10787399				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				

12	1 of 1	NNE/75.8	106.8	**The Regional Municipality of Niagara** **358 Four Mile Creek Rd; 3450 Stanley Ave; 383 Four Mile Creek Rd** **Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake ON**	SPL

Ref No:	4547-A3JNSE
Contaminant Code:	44
Contaminant Name:	SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:	21000 L
Incident Cause:	
Incident Dt:	10/22/2015
Incident Reason:	Material Failure - Poor Design/Substandard Material
Incident Summary:	DWMD WW Spill - NF WPCP- Force Main Break - St. Davids SPS #1 - Oct 2015
MOE Reported Dt:	10/22/2015
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Municipal Sewage
Receiving Environment:	
Incident Event:	
Site Municipality:	Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake

13	1 of 1	E/79.9	109.8	**329,340,358,365,383,412 Four Mile Creek Road** **Niagara-on-the-Lake ON**	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20100311006
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans;
Report Date:	3/19/2010
Report Type:	Custom Report
Search Radius (km):	0.25

14	1 of 1	ESE/88.8	110.1	**lot 89** **ON**	WWIS

Well ID:	3801046	***Lot:***	089
Construction Date::		***Concession:***	
Primary Water Use::	Domestic	***Concession Name:***	
Sec. Water Use::		***Easting NAD83::***	
Final Well Status::	Water Supply	***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	***UTM Reliability::***	
County:	NIAGARA (LINCOLN)		

Bore Hole Information

--	--
Bore Hole ID:	10238830
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	09-JUL-49
Remarks:	
Zone:	17
East 83:	654548.9
North 83:	4780443
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	110.53
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931739798
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft
--	--
Formation ID:	931739799
Layer:	2
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	64
Formation End Depth UOM:	ft
--	--
Formation ID:	931739800
Layer:	3
General Color:	
Most Common Material:	FINE SAND
Other Materials:	CLAY
Other Materials:	

Formation Top Depth:	64
Formation End Depth:	115
Formation End Depth UOM:	ft
--	--
Formation ID:	931739801
Layer:	4
General Color:	
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	115
Formation End Depth:	120
Formation End Depth UOM:	ft
--	--
Formation ID:	931739802
Layer:	5
General Color:	
Most Common Material:	GRAVEL
Other Materials:	
Other Materials:	
Formation Top Depth:	120
Formation End Depth:	122
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801046
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787400
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404489
Layer:	1
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801046
Pump Set At:	
Static Level:	23
Final Level After Pumping:	35
Recommended Pump Depth:	
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1

Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933706793
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120
Water Found Depth UOM:	ft
--	--
--	--

15 | **1 of 1** | **ESE/99.0** | **111.5** | **lot 89 ON** | **WWIS**

Well ID:	3801048	**Lot:**	089
Construction Date::		**Concession:**	
Primary Water Use::	Not Used	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Unfinished	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	
County:	NIAGARA (LINCOLN)		

Bore Hole Information	
--	--
Bore Hole ID:	10238832
DP2BR:	102
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	31-JUL-58
Remarks:	
Zone:	17
East 83:	654546.9
North 83:	4780413
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	112.02
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931739808
Layer:	1
General Color:	RED
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

--	--
Formation ID:	931739809
Layer:	2
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	64
Formation End Depth UOM:	ft
--	--
Formation ID:	931739810
Layer:	3
General Color:	
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	64
Formation End Depth:	100
Formation End Depth UOM:	ft
--	--
Formation ID:	931739811
Layer:	4
General Color:	
Most Common Material:	GRAVEL
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	102
Formation End Depth UOM:	ft
--	--
Formation ID:	931739812
Layer:	5
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	102
Formation End Depth:	108
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801048
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787402
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404491
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	102
Casing Diameter:	10
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

--	--
Casing ID:	930404492
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	108
Casing Diameter:	10
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801048
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	5
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	Y
--	--
Water Details	
--	--
Water ID:	933706795
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft
--	--
--	--

16 | **1 of 1** | **SE/117.8** | **113.7** | **lot 89 ON** | **WWIS**

Well ID:	3801047	Lot:	089
Construction Date::		Concession:	
Primary Water Use::	Industrial	Concession Name:	
Sec. Water Use::		Easting NAD83::	
Final Well Status::	Water Supply	Northing NAD83::	
Specific Capacity::		Zone::	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	UTM Reliability::	
County:	NIAGARA (LINCOLN)		

Bore Hole Information	
--	--
Bore Hole ID:	10238831
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	08-APR-50
Remarks:	
Zone:	17
East 83:	654545.9
North 83:	4780370

UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	115.1
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931739803
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	931739804
Layer:	2
General Color:	
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	18
Formation End Depth UOM:	ft
--	--
Formation ID:	931739805
Layer:	3
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	47
Formation End Depth UOM:	ft
--	--
Formation ID:	931739806
Layer:	4
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	47
Formation End Depth:	59
Formation End Depth UOM:	ft
--	--
Formation ID:	931739807
Layer:	5
General Color:	
Most Common Material:	GRAVEL
Other Materials:	
Other Materials:	
Formation Top Depth:	59
Formation End Depth:	107
Formation End Depth UOM:	ft

--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801047
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787401
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404490
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	107
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801047
Pump Set At:	
Static Level:	-5
Final Level After Pumping:	45
Recommended Pump Depth:	
Pumping Rate:	150
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	15
Pumping Duration MIN:	0
Flowing:	Y
--	--
Water Details	
--	--
Water ID:	933706794
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft
--	--
--	--

17	1 of 1	NNE/157.9	106.3	lot 88 ON	WWIS

Well ID:	3801044	**Lot:**	088
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	

Specific Capacity:: ***Zone::***
Municipality: NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP) ***UTM Reliability::***
County: NIAGARA (LINCOLN)

Bore Hole Information
-- --
Bore Hole ID: 10238828
DP2BR: 101
Code OB: r
Code OB Description: Bedrock
Open Hole:
Date Completed: 30-JUN-59
Remarks:
Zone: 17
East 83: 654492.9
North 83: 4780737
UTMRC: 5
UTMRC Description: margin of error : 100 m - 300 m
Location Method: p5
Org CS:
Elevation: 106.86
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 931739784
Layer: 1
General Color:
Most Common Material: TOPSOIL
Other Materials:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft
-- --
Formation ID: 931739785
Layer: 2
General Color: BROWN
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 15
Formation End Depth UOM: ft
-- --
Formation ID: 931739786
Layer: 3
General Color: BLUE
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 45
Formation End Depth UOM: ft
-- --
Formation ID: 931739787
Layer: 4

General Color:	
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	45
Formation End Depth:	55
Formation End Depth UOM:	ft
--	--
Formation ID:	931739788
Layer:	5
General Color:	
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	60
Formation End Depth UOM:	ft
--	--
Formation ID:	931739789
Layer:	6
General Color:	RED
Most Common Material:	MEDIUM SAND
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	60
Formation End Depth:	98
Formation End Depth UOM:	ft
--	--
Formation ID:	931739790
Layer:	7
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	98
Formation End Depth:	101
Formation End Depth UOM:	ft
--	--
Formation ID:	931739791
Layer:	8
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	101
Formation End Depth:	104
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801044
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787398
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404488

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		1			
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:		10			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			

18	1 of 2	NNE/160.6	106.0	**RONDAR INC.** **NABISCO BRANDS INC. 365 CREEK ROAD** **NIAGARA-ON-THE-LAKE ON**	REC

Receiver #::	A120821
Facility Type:	
Approval Yrs::	06,07,08

18	2 of 2	NNE/160.6	106.0	**RONDAR INC.** **NABISCO-365CREEK RD.NIAGARA-ON-THE-LAKE C/O 333 CENTENNIAL PARKWAY NORTH HAMILTON ON L8E 2X6**	REC

Receiver #::	A120821
Facility Type:	RECLAIM
Approval Yrs::	93,94,95,96,97,98

--Details--

Waste Code:	243
Waste Description:	PCB'S
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

19	1 of 1	NE/178.9	107.8	**329 Creek Rd** **St. David's ON**	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20030703017
Addit. Info Ordered::	
Report Date:	7/11/03
Report Type:	Complete Report
Search Radius (km):	0.65

20	1 of 1	ENE/193.4	108.1	**NOTL ON**	WWIS

Well ID:	7180908	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Abandoned-Other	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	

County:	NIAGARA (LINCOLN)
Bore Hole Information	
--	--
Bore Hole ID:	1003779719
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	20-APR-12
Remarks:	
Zone:	17
East 83:	654661
North 83:	4780555
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004308545
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004308551
Layer:	1
Plug From:	0
Plug To:	15
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004308550
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004308544
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	

--	--
Casing ID:	1004308548
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004308549
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1004308546
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

21 **1 of 1** **ENE/194.3** **108.1** **NIAGARA ON THE LAKE ON** **WWIS**

Well ID:	7164660	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Test Hole	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	**UTM Reliability::**	
County:	NIAGARA (LINCOLN)		

Bore Hole Information

--	--
Bore Hole ID:	1003526990
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	
Remarks:	
Zone:	17
East 83:	654662
North 83:	4780551
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	

Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1003815453
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	.6
Formation End Depth UOM:	m
--	--
Formation ID:	1003815454
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	.6
Formation End Depth:	4.6
Formation End Depth UOM:	m
--	--
Formation ID:	1003815455
Layer:	3
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	4.6
Formation End Depth:	6.1
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1003815463
Layer:	1
Plug From:	0
Plug To:	.3
Plug Depth UOM:	m
--	--
Plug ID:	1003815464
Layer:	2
Plug From:	.3
Plug To:	2.7
Plug Depth UOM:	m
--	--
Plug ID:	1003815465
Layer:	3
Plug From:	2.7
Plug To:	6.1
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1003815461

Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1003815452
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1003815458
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1003815459
Layer:	1
Slot:	.10
Screen Top Depth:	3
Screen End Depth:	6.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.1
--	--
Water Details	
--	--
Water ID:	1003815457
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	4.6
Water Found Depth UOM:	m
--	--
Hole Diameter	
--	--
Hole ID:	1003815456
Diameter:	15
Depth From:	0
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

22 **1 of 1** **NNE/201.8** **105.8** **lot 87 ON** **WWIS**

Well ID:	3801041	**Lot:**	087
Construction Date::		**Concession:**	
Primary Water Use::	Livestock	**Concession Name:**	
Sec. Water Use::	Domestic	**Easting NAD83::**	
Final Well Status::	Water Supply	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA	**UTM Reliability::**	

TWP)
County: NIAGARA (LINCOLN)

Bore Hole Information
-- --
Bore Hole ID: 10238825
DP2BR:
Code OB: o
Code OB Description: Overburden
Open Hole:
Date Completed: 13-AUG-54
Remarks:
Zone: 17
East 83: 654501.9
North 83: 4780780
UTMRC: 9
UTMRC Description: unknown UTM
Location Method: p9
Org CS:
Elevation: 106.78
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 931739770
Layer: 1
General Color:
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft
-- --
Formation ID: 931739771
Layer: 2
General Color: BLUE
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 50
Formation End Depth UOM: ft
-- --
Formation ID: 931739772
Layer: 3
General Color:
Most Common Material: CLAY
Other Materials: MEDIUM SAND
Other Materials:
Formation Top Depth: 50
Formation End Depth: 87
Formation End Depth UOM: ft
-- --
Formation ID: 931739773
Layer: 4
General Color:
Most Common Material: FINE SAND

Other Materials:	
Other Materials:	
Formation Top Depth:	87
Formation End Depth:	89
Formation End Depth UOM:	ft
--	--
Formation ID:	931739774
Layer:	5
General Color:	
Most Common Material:	GRAVEL
Other Materials:	
Other Materials:	
Formation Top Depth:	89
Formation End Depth:	90
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963801041
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10787395
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930404485
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	993801041
Pump Set At:	
Static Level:	-3
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	5
Flowing Rate:	3
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	Y
--	--
Water Details	
--	--
Water ID:	933706790
Layer:	1
Kind Code:	1

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		90			
Water Found Depth UOM:		ft			
--		--			
--		--			

23	1 of 1	SSW/206.2	119.1	275 Four Mile Creek Rd. St Davids ON	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20120730041
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans
Report Date:	09-AUG-12
Report Type:	Standard Report
Search Radius (km):	.25

24	1 of 1	NE/216.8	107.0	Cannery Park Developments Inc. no municipal address NIAGARA-ON-THE-LAKE ON	RSC

Registration No:	114160
RSC Type:	
Restoration Type:	
Date Submitted:	28-Jun-11
Date Acknowledg.:	
Certification Date:	27-May-11
Date Returned:	
Soil Type:	
Criteria:	
Current Property Use:	Agriculture/Other
Certificate Prop Use No:	No CPU
Intended Prop Use:	Residential
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Medium/Fine Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):	
Consultant:	
District Office:	NIAGARA-ON-THE-LAKE
Property Municipal Address:	no municipal address
Legal Description:	ENTIRE LEGAL DESCRIPTION: PT TWP LT 88 NIAGARA; PT TWP LT 89 NIAGARA PT 1, 2, 3 30R8809; S/T RO72655 TRANSFERRED BY RO691836; S/T RO817707; NIAGARA-ON-THE-LAKE. PT TWP LT 88 NIAGARA PT 4, 5 30R8809; S/T RO691836 (RO72655); NIAGARA-ON-THE-LAKE RSC LEGAL DESCRIPTION: Part of PIN 46376-0387 LT Part of Township Lots 88 and 89 Niagara, now Town of Niagara on the Lake, Regional Municipality of Niagara being Part 1 and 2 on Reference Plan 30R-13728. Subject to an easment in gross over PT TWP Lot 88, being Part 2 on Reference Plan 30R-13728 as in RO691836.
Prop. Identification No:	46376-0070 (LT) 46376-0179 (LT)
Entire legal prop. (y/n):	No
UTM Coordinates:	NAD83 17-654659-4780682
Latitude & Longitude:	43.16308320N 79.09752170W (converted from UTM)
Accuracy Estimate:	2 to 5 meters
Measurement Method:	Digitized from a map
CPU Issued Sect 1686:	No

25	1 of 5	NNE/219.3	105.8	The Corporation of the Town of Niagara-on-the-Lake 383 Four Mile Creek Road Niagara-on-the-Lake ON	CA

Certificate #:	8608-5RPQZ7

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

Application Year: 2003
Issue Date: 9/30/2003
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

---

25 | 2 of 5 | NNE/219.3 | 105.8 | The Regional Municipality of Niagara
383 Four Mile Creek Road
Niagara-on-the-Lake ON | ECA

Approval No: 0084-9PBSFD
Project Type: Municipal and Private Sewage
Date: 10/16/14
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL:
Full Address: St. David's Sewage Pumping Station No.1 (PS #1) 383 Four Mile Creek Road Town of Niagara-on-the-Lake, Regional Municipality of Niagara

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25 | 3 of 5 | NNE/219.3 | 105.8 | The Regional Municipality of Niagara
East side of 4 Mile Creek Rd and just south of Line 9 ; 3450 Stanley Ave; 383 Four Mile Creek Rd
Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake ON | SPL

Ref No: 7063-A28KAA
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity: 0 other - see incident description
Incident Cause:
Incident Dt: 9/9/2015
Incident Reason: Material Failure - Poor Design/Substandard Material
Incident Summary: DWMD WW Spill - Niagara Falls WPCP- Force Main Break - St. Davids SPS #1
MOE Reported Dt: 9/10/2015
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Sewage Incident Report Flowchart
Sector Source Type: Municipal Sewage
Receiving Environment:
Incident Event:
Site Municipality: Niagara-on-the-Lake; Niagara Falls; Niagara-on-the-Lake

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25 | 4 of 5 | NNE/219.3 | 105.8 | The Regional Municipality of Niagara
383 Four Mile Creek Rd
Niagara-on-the-Lake ON | SPL

Ref No: 5256-89PHPQ
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW CHLORINATED

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

Contaminant Quantity: 0 other - see incident description
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Spill
Incident Summary: Forcemain break, sewage to dry ditch
MOE Reported Dt: 9/27/2010
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Sewage Bypasses / Overflows
Sector Source Type: Sewage Treatment
Receiving Environment:
Incident Event:
Site Municipality:

25	5 of 5	NNE/219.3	105.8	**The Regional Municipality of Niagara** **383 Four Mile Creek Rd; 3450 Stanley Ave** **Niagara-on-the-Lake; Niagara Falls ON**	SPL

Ref No: 4043-A7LLVT
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity: 0 other - see incident description
Incident Cause:
Incident Dt: 2016/02/29
Incident Reason: Equipment Failure
Incident Summary: DWMD - WW Spill - Force Main Break near St. Davids #1 SPS - Feb 29 2016
MOE Reported Dt: 2016/02/29
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Sewage Bypasses / Overflows
Sector Source Type: Municipal Sewage
Receiving Environment: Surface Water
Incident Event: Leak/Break
Site Municipality: Niagara-on-the-Lake; Niagara Falls

26	1 of 2	S/229.8	118.6	**ALMEG CONTROLS** **1437 York Rd** **St. Davids ON L0S 1P0**	SCT

Established: 1985
Plant Size (ft²): 1000
Employment: 4

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

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

Description: Pump and Compressor Manufacturing
SIC/NAICS Code: 333910

Description: Other Communications Equipment Manufacturing
SIC/NAICS Code: 334290

26	2 of 2	S/229.8	118.6	**Almeg Controls**	SCT

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

1437 York Rd
St Davids ON L0S 1P0

Established: 6/1/1985
Plant Size (ft²): 1000
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Other Communications Equipment Manufacturing
SIC/NAICS Code: 334290

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

Description: Pump and Compressor Manufacturing
SIC/NAICS Code: 333910

---

27 **1 of 1** **NNE/236.6** **105.8** **ST. DAVIDS ON** **WWIS**

Well ID: 7188094
Construction Date::
Primary Water Use:: Monitoring
Sec. Water Use::
Final Well Status:: Observation Wells
Specific Capacity::
Municipality: NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)
County: NIAGARA (LINCOLN)
Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 1004165689
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 14-AUG-12
Remarks:
Zone: 17
East 83: 654487
North 83: 4780817
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 1004452213

Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft
--	--
Formation ID:	1004452214
Layer:	2
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	SILT
Other Materials:	SOFT
Formation Top Depth:	12
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004452221
Layer:	1
Plug From:	30
Plug To:	
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004452220
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004452212
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004452217
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	20
Casing Diameter:	.5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004452218
Layer:	1
Slot:	.06
Screen Top Depth:	20
Screen End Depth:	30
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	.5

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

--	--
Hole Diameter	
--	--
Hole ID:	1004452215
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

28 | 1 of 1 | SSW/245.1 | 120.5 | MOTOR VEHICLE
YORK ROAD AT 4 MILE CREEK ROAD MOTOR VEHICLE (OPERATING FLUID)
NIAGARA-ON-THE-LAKE TOWN ON | SPL

Ref No:	89648
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	8/11/1993
Incident Reason:	UNKNOWN
Incident Summary:	MOTOR VEHICLE: 45 L DIESEL FUEL SPILLED TO ROAD
MOE Reported Dt:	8/11/1993
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	18404

29 | 1 of 1 | WSW/251.2 | 116.9 | ST. DAVIDS ON | WWIS

Well ID:	3804307	Lot:	
Construction Date::		Concession:	
Primary Water Use::		Concession Name:	
Sec. Water Use::		Easting NAD83::	
Final Well Status::	Observation Wells	Northing NAD83::	
Specific Capacity::		Zone::	
Municipality:	NIAGARA-ON-THE-LAKE TOWN (NIAGARA TWP)	UTM Reliability::	
County:	NIAGARA (LINCOLN)		

Bore Hole Information	
--	--
Bore Hole ID:	11321420
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	21-SEP-05
Remarks:	
Zone:	17
East 83:	654113
North 83:	4780415
UTMRC:	
UTMRC Description:	
Location Method:	wwr

Org CS:	UTM83
Elevation:	116.7
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	933014532
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	m
--	--
Formation ID:	933014533
Layer:	2
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	8.25
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933280082
Layer:	1
Plug From:	0
Plug To:	5
Plug Depth UOM:	m
--	--
Plug ID:	933280083
Layer:	2
Plug From:	5
Plug To:	8.25
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	963804307
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11336275
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--

Casing ID:	930863519
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5.25
Casing Diameter:	4
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933415293
Layer:	1
Slot:	10
Screen Top Depth:	5.25
Screen End Depth:	8.25
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4
--	--
Hole Diameter	
--	--
Hole ID:	11540567
Diameter:	12
Depth From:	0
Depth To:	8.25
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

30 ***1 of 5*** ***SSW/286.7*** ***121.8*** ***Petro Canada*** ***1401 York Road*** ***St. Davids ON L0S 1P0*** ***GEN***

PO Box Num:	
Status:	
Country:	
Generator #:	ON8599700
Approval Yrs::	05
SIC Code:	419120
SIC Description:	Petroleum Product Agents and Brokers
--Details--	
Waste Code:	221
Waste Description:	LIGHT FUELS
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES

30 ***2 of 5*** ***SSW/286.7*** ***121.8*** ***Vintage Properties*** ***1401 York Road*** ***Niagara-on-the-Lake ON L0S 1J0*** ***GEN***

PO Box Num:	
Status:	
Country:	
Generator #:	ON3952725
Approval Yrs::	05
SIC Code:	531310

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
SIC Description:		Real Estate Property Managers			
--Details--					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
30	3 of 5	SSW/286.7	121.8	ST DAVIDS AUTO SERVICE CENTRE 1401 YORK NIAGARA REGION ON L0S 1J0	RST
Code:		1186800			
Facility:		Service Stations-Gasoline, Oil & Natural Gas			
Description:					
List Name:					
30	4 of 5	SSW/286.7	121.8	ST DAVIDS AUTO SERVICE CENTRE 1401 YORK NIAGARA ON THE LAKE ON L0S1J0	RST
Code:		1186800			
Facility:		Service Stations-Gasoline, Oil & Natural Gas			
Description:					
List Name:					
30	5 of 5	SSW/286.7	121.8	ST DAVIDS AUTO SERVICE CENTRE 1401 YORK NIALK ON L0S1J0	RST
Code:		1186800			
Facility:		Service Stations-Gasoline, Oil & Natural Gas			
Description:					
List Name:					
31	1 of 5	SSW/288.9	121.5	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE 1401 YORK RD NIAGARA ON THE LAKE ON	EXP
Instance No:		9560351			
Instance ID:		383505			
Instance Type:		FS Facility			
Description:		FS Gasoline Station - Full Serve			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
31	2 of 5	SSW/288.9	121.5	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE 1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	FST
Instance No:		10977260			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22700			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Single Wall UST			
Install Year:		1989			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Type:		FS Liquid Fuel Tank			

31	3 of 5	SSW/288.9	121.5	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE 1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	FST
Instance No:		10977240			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22700			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Single Wall UST			
Install Year:		1989			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Type:		FS Liquid Fuel Tank			

31	4 of 5	SSW/288.9	121.5	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE 1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	FST
Instance No:		10977223			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22700			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Single Wall UST			
Install Year:		1989			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Type:		FS Liquid Fuel Tank			

31	5 of 5	SSW/288.9	121.5	1473966 ONTARIO INC O/A ST DAVIDS AUTO SERVICE CENTRE 1401 YORK RD NIAGARA ON THE LAKE ON L0S 1P0	FST
Instance No:		10977275			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Diesel			
Status:		Active			
Capacity:		36300			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Single Wall UST			

Install Year:	1989
Parent Facility Type:	FS Gasoline Station - Full Serve
Facility Type:	FS Liquid Fuel Tank

Unplottable Summary

Total: 22 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	NIAGARA-ON-THE-LAKE TOWN	FOUR MILE CREEK RD.	NIAGARA-ON-THE-LAKE TOWN ON	
CA	NIAGARA-ON-THE-LAKE TOWN	FOUR MILE CREEK RD.	NIAGARA-ON-THE-LAKE TOWN ON	
CA	NESTOR AND ELLA CHEMERIKA	FOUR MILE CREEK RD/R.RD.85	NIAGARA-ON-THE-LAKE ON	
CA	R.M. OF NIAGARA	RR #100/FOUR MILE CREEK ROAD	NIAGARA-ON-THE-LAKE TOWN ON	
CA	NIAGARA-ON-THE-LAKE TOWN	LINE 3 RD./RR #100,CONC.3 RD.	NIAGARA-ON-THE-LAKE TOWN ON	
CA	FRANK MLCAK, F.E.POTTERY STUDIO	R.R.1/YORK RD.	NIAGARA-ON-THE-LAKE TOWN ON	
CA	NIAGARA-ON-THE-LAKE TOWN	YORK RD.	NIAGARA-ON-THE-LAKE TOWN ON	
CA	TOWN	YORK RD.	NIAGARA-ON-THE LAKE ON	
CA	PLEASANT MANOR CARE SERVICES	FOUR MILE CREEK RD./S.W.M.FAC.	NIAGARA-ON-THE-LAKE TOWN ON	
ECA	The Corporation of the Town of Niagara-on-the-Lake	Four Mile Creek Road	Town of Niagara-on-the-Lake ON	
NCPL	KRAFT CANADA INC.		Niagara ON	
NCPL	KRAFT CANADA INC.		Niagara ON	
NCPL	KRAFT CANADA INC.		Niagara ON	
NEES	NABISCO BRANDS LTD.		NIAGARA-ON-THE-LAKE TOWN ON	
PINC		Lot # 51 Paxton Lane. Niagara	ON	
SPL	KRAFT CANADA	KRAFT CANADA, ST. DAVIDS FOUR MILE CREEK ST. DAVIDS	NIAGARA-ON-THE-LAKE TOWN ON	

SPL	WILLIAM KNOX FUELS	TOWN WORKS YARD FOUR MILE CREEK RD NIAGARA-ON-THE-LAKE	NIAGARA-ON-THE-LAKE TOWN ON
SPL	TRANSPORT TRUCK	YORK STREET AT ENTRANCE TO MTO YARD TRANSPORT TRUCK (CARGO)	NIAGARA-ON-THE-LAKE TOWN ON
SPL	TRANSPORT TRUCK	HUSKY TRUCK STOP,YORK RD. MOTOR VEHICLE (OPERATING FLUID)	NIAGARA-ON-THE-LAKE TOWN ON
SPL	NABISCO BRANDS LTD.	TRIBUTARY OF 4-MILE CREEK NIAGARA-ON-THE-LAKE PLANT CREEK ROAD	NIAGARA-ON-THE-LAKE TOWN ON
SPL	NABISCO BRANDS LTD.	FOUR-MILE CREEK NIAGARA-ON-THE-LAKE PLANT CREEK ROAD	NIAGARA-ON-THE-LAKE TOWN ON
SPL	NABISCO BRANDS LTD.	FORMAL CREEK NIAGARA-ON-THE-LAKE PLANT CREEK ROAD	NIAGARA-ON-THE-LAKE TOWN ON

Unplottable Report

Site: ***NIAGARA-ON-THE-LAKE TOWN***
FOUR MILE CREEK RD. NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 7-1763-87-
Application Year: 87
Issue Date: 11/26/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***NIAGARA-ON-THE-LAKE TOWN***
FOUR MILE CREEK RD. NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 7-1559-88-
Application Year: 88
Issue Date: 9/29/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***NESTOR AND ELLA CHEMERIKA***
FOUR MILE CREEK RD/R.RD.85 NIAGARA-ON-THE-LAKE ON

Database: ***CA***

Certificate #: 3-0403-98-
Application Year: 98
Issue Date: 4/27/1998
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***
RR #100/FOUR MILE CREEK ROAD NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 7-0351-94-

Application Year: 94
Issue Date: 5/16/1994
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***NIAGARA-ON-THE-LAKE TOWN***
LINE 3 RD./RR #100,CONC.3 RD. NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 7-1034-94-
Application Year: 94
Issue Date: 10/25/1994
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***FRANK MLCAK, F.E.POTTERY STUDIO***
R.R.1/YORK RD. NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 8-2016-85-006
Application Year: 85
Issue Date: 3/12/85
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants:: Nitrogen Oxides, Sulphur Dioxide
Emission Control:: No Controls

Site: ***NIAGARA-ON-THE-LAKE TOWN***
YORK RD. NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 7-1890-88-
Application Year: 88
Issue Date: 11/29/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***TOWN***
YORK RD. NIAGARA-ON-THE LAKE ON

Database: ***CA***

Certificate #: 3-0940-85-006
Application Year: 85
Issue Date: 8/22/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***PLEASANT MANOR CARE SERVICES***
FOUR MILE CREEK RD./S.W.M.FAC. NIAGARA-ON-THE-LAKE TOWN ON

Database: ***CA***

Certificate #: 3-1522-92-
Application Year: 92
Issue Date: 12/1/1992
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 Town of Niagara-on-the-Lake***
Four Mile Creek Road Town of Niagara-on-the-Lake ON

Database: ***ECA***

Approval No: 8299-9G7R7A
Project Type: Municipal and Private Sewage
Date: 12-FEB-14
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL:
Full Address: Four Mile Creek Road Town of Niagara-on-the-Lake, Regional Municipality of Niagara

---

Site: ***KRAFT CANADA INC.***
Niagara ON

Database: ***NCPL***

Year: 2001
Discharge Type: Wastewater
Sector: Non-MISA Facilities
Type of Concern: C of A
Contaminant:: biochemical oxygen demand
Status Report::

--Details--
Incident Date:
Limit/Unit/Freq:
Quantity Min/Max:
Facility Action: other

Ministry Action: Assessment complete - no further action required

---

Site: ***KRAFT CANADA INC.***
Niagara ON

Database: ***NCPL***

Year: 2001
Discharge Type: Wastewater
Sector: Non-MISA Facilities
Type of Concern: C of A
Contaminant:: suspended solids
Status Report::

--Details--
Incident Date:
Limit/Unit/Freq:
Quantity Min/Max:
Facility Action: other
Ministry Action: Assessment complete - no further action required

---

Site: ***KRAFT CANADA INC.***
Niagara ON

Database: ***NCPL***

Year: 2001
Discharge Type: Wastewater
Sector: Non-MISA Facilities
Type of Concern: C of A
Contaminant:: phosphorus
Status Report::

--Details--
Incident Date:
Limit/Unit/Freq:
Quantity Min/Max:
Facility Action: other
Ministry Action: Assessment complete - no further action required

---

Site: ***NABISCO BRANDS LTD.***
NIAGARA-ON-THE-LAKE TOWN ON

Database: ***NEES***

Incident Date: 9/23/88
Contaminant: WASTE WATER
Amount:: 0
Units:: Discharge
Quantity::
Cause:: Other
Source:: Other Industrial Plant
Reason::
Sector:: Food Processing

Site:
Lot # 51 Paxton Lane. Niagara ON

Database: ***PINC***

Incident ID: 2700596
Incident No: 544124
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Fuel Occurrence Tp: Pipeline Strike
Fuel Type: Natural Gas
Tank Status: RC Established
Task No: 3253455
Spills Action Centre:

Health Impact: No
Environment Impact: No
Property Damage: No
Service Interupt: No
Enforce Policy: No
Public Relation: No
Pipeline System:
Depth:
Pipe Material:

Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:	2/16/2011 0:00	***Regualtor Location:***	
Occurrence Start Date:	2011/03/10		

Operation Type: Construction Site (pipeline strike)
Pipeline Type:
Regulator Type:
Summary: Lot # 51 Paxton Lane. Niagara - 1/2" Pipeline Hit
Reported By: Imineo, Vito - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc: no locates damage 1/2 pe line
Damage Reason: Excavation practices not sufficient
Notes:

Site: ***KRAFT CANADA***
KRAFT CANADA, ST. DAVIDS FOUR MILE CREEK ST. DAVIDS NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No: 237896
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 9/1/2002
Incident Reason: UNKNOWN
Incident Summary: KRAFT: BREAK IN PLANT EFFLUENT PIPE, SPILL TO CREEK, GROUND
MOE Reported Dt: 9/1/2002
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER, LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 18404

Site: ***WILLIAM KNOX FUELS***
TOWN WORKS YARD FOUR MILE CREEK RD NIAGARA-ON-THE-LAKE NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No: 19496
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNDERGROUND TANK LEAK
Incident Dt: 1/29/1988
Incident Reason: NEGLIGENCE (APPARENT)
Incident Summary: BACKENTRY - WORKS DEPT 50 LTRS DIESEL FUEL OVERFLOW FROM TANK
MOE Reported Dt: 1/29/1988
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND / WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 18404

Site: ***TRANSPORT TRUCK***
YORK STREET AT ENTRANCE TO MTO YARD TRANSPORT TRUCK (CARGO) NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No: 49340
Contaminant Code:
Contaminant Name:
Contaminant Quantity:

Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	4/19/1991
Incident Reason:	NEGLIGENCE (APPARENT)
Incident Summary:	BATTERY ACID TO GROUND FROM TRANSPORT TRUCK
MOE Reported Dt:	4/19/1991
Environmental Impact:	POSSIBLE
Nature of Impact:	Soil contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	18404

Site: ***TRANSPORT TRUCK***
HUSKY TRUCK STOP,YORK RD. MOTOR VEHICLE (OPERATING FLUID) NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No:	105733
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	9/28/1994
Incident Reason:	UNKNOWN
Incident Summary:	BOB HATT TRUCKING-1.0 M3 DIESEL FUEL TO LOT,SOME TO CATCHBASIN.
MOE Reported Dt:	9/28/1994
Environmental Impact:	POSSIBLE
Nature of Impact:	Multi Media Pollution
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	18404

Site: ***NABISCO BRANDS LTD.***
TRIBUTARY OF 4-MILE CREEK NIAGARA-ON-THE-LAKE PLANT CREEK ROAD NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No:	118238
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE
Incident Dt:	9/7/1995
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	NABISCO LTD.- FOOD WASTE EFFLUENT TO GROUND & CRK.FROM BROKEN FORCEMAIN.
MOE Reported Dt:	9/7/1995
Environmental Impact:	CONFIRMED
Nature of Impact:	Water course or lake
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	18404

Site: ***NABISCO BRANDS LTD.***
FOUR-MILE CREEK NIAGARA-ON-THE-LAKE PLANT CREEK ROAD NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No:	39790
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	

Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE
Incident Dt:	8/25/1990
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	NABISCO: WASTEWATER DISCHARGED TO FOUR-MILE CREEK FROM OLD PIPING
MOE Reported Dt:	8/25/1990
Environmental Impact:	POSSIBLE
Nature of Impact:	Water course or lake
Receiving Medium:	WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	18404

Site: ***NABISCO BRANDS LTD.***
FORMAL CREEK NIAGARA-ON-THE-LAKE PLANT CREEK ROAD NIAGARA-ON-THE-LAKE TOWN ON

Database: ***SPL***

Ref No:	9740
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE
Incident Dt:	9/23/1988
Incident Reason:	OTHER
Incident Summary:	NABISCO BRANDS LTD. - WASTE WATER FRON LAGOON TO FORMAL CREEK.
MOE Reported Dt:	9/23/1988
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	18404

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 2016

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-Nov 2016

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999 - Oct 2016

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999 - Oct 2016

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 31, 2012

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-Mar 2017

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-Apr 2017

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-Aug 2015

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-Mar 2017

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-Apr 2017

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-Mar 2017

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 2016

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

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include 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.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities: Provincial EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: June 2000-Aug 2016

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-Sept 2003

Fuel Storage Tank: Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Sep 2016

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 2015

TSSA Historic Incidents: Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2017

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, 2014

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-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008 - Dec 2016

National Energy Board Wells: Federal NEBW

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: 1993-2014

Oil and Gas Wells: Private OGW

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-Jan 2017

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-Oct 2016

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-Apr 2017

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents: Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Apr 2017

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: 1986-2013

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-Apr 2017

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 - Oct 2016

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Dec 2016

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: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: 1970-Mar 2017

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: Jun 30, 2016

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.