



ENGINEERING



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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT



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Project No. FE-P 17-8416

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Issued to: Bliss Edwards, MCIP RPP

Contact: Dymon Group of Companies
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Project Name: Phase I Environmental Site Assessment

Project Address: 1000 McGarry Terrace, Ottawa, ON. K2J 4G8

Project Number: FE-P 17-8416

Issued on: September 27, 2017

**Project Manager:
(Primary Contact)**

A handwritten signature in blue ink, appearing to read 'Lena Zdanowski', written over a horizontal line.

Lena Zdanowski
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Reviewer:

A handwritten signature in blue ink, appearing to read 'David Fisher', is written over a horizontal line. To the right of the signature is a circular professional seal. The seal contains the text 'LICENSED PROFESSIONAL ENGINEER' at the top, 'D. A. FISHER' in the center, and 'PROVINCE OF ONTARIO' at the bottom.

David Fisher, B.A.Sc., C. Chem., P. Eng.
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GLOSSARY OF ACRONYMS

ACM	Asbestos-Containing Material
asl:	Above Sea Level
AST:	Aboveground Storage Tank
bgs:	Below Ground Surface
CPC:	Contaminants of Potential Concern
CSA:	Canadian Standards Association
EPA:	Environmental Protection Act
ESA:	Environmental Site Assessment
FIP:	Fire Insurance Plan
MNR:	Ministry of Natural Resources
MOE:	Ministry of the Environment
MOECC:	Ministry of the Environment and Climate Change
MOL:	Ministry of Labour
ODS:	Ozone Depleting Substance
OHSA:	Occupational Health and Safety Act
Phase I ESA:	Phase One Environmental Site Assessment
Phase II ESA:	Phase Two Environmental Site Assessment
PCA:	Potentially Contaminating Activity
PCB:	Polychlorinated Biphenyls
ppm:	Parts Per Million
RSC:	Record of Site Condition
TSSA:	Technical Safety and Standards Association
UFFI:	Urea Formaldehyde Foam Insulation
UST:	Underground Storage Tank



1. EXECUTIVE SUMMARY

Fisher Environmental Ltd. was retained by Dymon Group of Companies to conduct a Phase I ESA of the property located at 1000 McGarry Terrace, Ottawa, Ontario, herein referred to as the "Site". The Phase I ESA was conducted in support of a liability assessment for a proposed acquisition of the Site.

The Site is located on the southeastern corner of the intersection of McGarry Terrace and Strandherd Drive with an area of approximately 0.54 hectares. The Site consists of landscaped grass and trees with an asphalted drive running north to south along the central portion.

A review of the 1976 aerial photograph indicated that, since 1976 the Site was undeveloped grass covered land with a paved drive across the central portion of the Site. The drive along the central portion of the Site continued off-Site to the south to a former residential dwelling.

No buildings or permanent structures were observed at the Site. No operations occur at the Site. No current Site activities, representing a potential environmental concern to the Site, were identified at the time of the Site visit.

Based on the grade of the Site in relation to the immediately surroundings, it is unlikely that impacted fill materials are present at the Site.

The Phase I ESA has revealed no evidence of actual and/or potential surface or sub-surface contamination associated with the Site and other properties within phase one study area, and no further investigation is required.



2. INTRODUCTION

2.1 Objectives

Fisher Environmental Ltd. conducted a Phase I ESA of the property located at 1000 McGarry Terrace, Ottawa, Ontario, herein referred to as the “Site”. The Phase I ESA was conducted for Dymon Group of Companies in support of a liability assessment for a proposed acquisition of the Site.

The purpose of the Phase I ESA was to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site, and to determine the need and provide the basis for carrying out any Phase II ESA, if required.

2.2 Regulatory Framework

The roles and powers of the MOECC when dealing with contaminated sites are outlined primarily in the EPA (R.S.O 1990). The MOECC has a mandate to address conditions where there is an adverse effect, or the likelihood of an adverse effect, associated with the presence or discharge of a contaminant. Ontario Regulation 153/04 (RSC – Part XV.1 of the EPA), provides roles and responsibilities to property owners and consultants to use when assessing the environmental condition of a property, when determining whether or not restoration is required, and in determining the kind of restoration needed to allow continued use or reuse of the site.

It should be noted that the MOECC has recently amended Ontario Regulation 153/04, and as such, many of the requirements for conducting Phase I and II ESAs for the purpose of filing a RSC, as well as values stipulated within the MOECC Site Condition Standards, have changed as of July 1, 2011.

2.3 Scope of Work

The Phase I ESA carried out by Fisher Environmental on the subject property was conducted in general accordance with the CSA Standard CAN/CSA-Z768-01, published in November 2001 and reaffirmed in 2016 by the CSA Group, and with Ontario Regulation 153/04 (RSC – Part XV.1 of the EPA).

A Phase I ESA is the systematic preliminary process by which an assessor seeks to determine whether a particular property is subject to actual or potential contamination. A Phase I ESA



does not involve the investigative procedures of sampling, analyzing, and measuring, unless enhancements are agreed upon between the client and the assessor.

The principal components of this Phase I ESA consisted of the following:

1. A records review;
2. Site reconnaissance;
3. Interviews;
4. Identification of recognized environmental conditions at the Site;
5. Evaluation of collected information;
6. Preparation of a written report; and
7. Submission of the report to the Client (Dymon Group of Companies).

3. CURRENT SITE DESCRIPTION

3.1 Site Location

The Site is located on the southeastern corner of the intersection of McGarry Terrace and Strandherd Drive with an area of approximately 0.54 hectares. The Site is bounded by residential development to the north and east, commercial development to the west and vacant land with two sheds and construction debris (from a former residential dwelling) to the south.

3.2 Legal Description of the Site

A legal description was not provided at the time of the assessment.

3.3 On-site Structures and Property Characterization

The Site consists of landscaped grass and trees with an asphalted drive running north to south along the central portion. No buildings or permanent structures were observed at the Site.

TABLE 1: Summary of Property Description

Municipal Address:	1000 McGarry Terrace, Ottawa, Ontario K2J 4G8
NAD 83 Datum for the centroid of the property:	17-441946-5013526
Property Area:	0.54 hectares



Utility Providers:	<ul style="list-style-type: none"> • Water: No water reportedly provided to the site
	<ul style="list-style-type: none"> • Storm & Sanitary Sewer: No on-site sewer systems reported at the Site.
	<ul style="list-style-type: none"> • Electricity: No electricity supply reported at the Site.
	<ul style="list-style-type: none"> • Natural gas: No natural gas supply reported at the Site.
Building Area:	No buildings or permanent structures were observed at the Site.

4. RECORDS REVIEW

The specific objectives of a records review are to obtain information on the current and past uses of, and activities at, or affecting the Site in order to determine if a recognized environmental condition exists at the Site and to interpret any recognized environmental condition at the property. Additionally, a review of records that relate to properties in the phase one study area, other than the Site, determines if a recognized environmental condition exists at the Site and assists interpretation of any recognized environmental condition at the Site.

4.1. Documentation of Sources and Search Distances

The applicable search distance for the phase one study area records review included the Site, properties located, wholly or partly, within 250 m from the nearest point on a boundary of the Site, and other neighbouring properties where activities considered to be potential sources of environmental contamination, were apparent.

4.1.1. Aerial Photographs

Aerial photographs from 1976, 1991, 2002, 2005, and 2014 were obtained from geoOttawa online interactive maps and Google Maps. The photographs were examined stereoscopically to assess Site conditions.

TABLE 2: Description of Aerial Photographs

Year	Description	
	Site	Surrounding Area
1976	The Site consisted of agricultural fields with a driveway running north to south along the central portion.	All surrounding properties were undeveloped agricultural fields. The on-Site drive way continued off Site to a residential dwelling south of the Site.



Year	Description	
	Site	Surrounding Area
1991	No significant changes from the 1976 aerial photograph.	No significant changes from the 1976 aerial photograph.
2002	The Site appears to be vacant land with a driveway running north to south along the central portion of the Site.	North and east of the Site is undeveloped disturbed land. South of the Site is a residential dwelling followed by disturbed land and commercial development. West of the Site appears to be vacant land followed by a large commercial building.
2005	No significant changes from the 2002 aerial photograph.	No significant changes from the 2002 aerial photograph with the exception of a gas station is observed east to northeast of the Site.
2014	No significant changes from the 2005 aerial photograph.	North and east of the Site is developed with residential townhomes. A gas station is observed east/northeast of the Site. South of the Site is a residential dwelling followed by disturbed land and commercial development. West of the Site appears to be vacant land followed by a large commercial building.

Copies of the aerial photographs are included in Appendix A.

4.1.2. Fire Insurance Plans

FIPs were originally created to provide insurance companies with detailed information so that they could assess insurance risks as a fire hazard.

A search was conducted at the Toronto Reference Library and the catalogue of Canadian FIPs 1875-1975, and no FIP was available for this Site or surrounding properties.

4.1.3. Municipal Property Use Directories for Phase One Study Area

A review of municipal directories was conducted in order to obtain a listing of previous occupants for the subject property and areas within 250 m surrounding the Site. This information is useful in determining the past and/or present uses and associated environmental risks in the phase one study area.

City of Ottawa directories for the years 1981/82, 1991, 1997 and 2001 were reviewed at the Toronto Reference Library.



The occupants and past and present use of the **Site** are listed in the table included in section 7.1. of this report. The occupants and past and present use of **Properties within 250 m surrounding the Site** are listed in the table included in sub-section 5.3.5. of this report.

4.1.4. Title Search and Assessment Rolls

A title or assessment roll search was not performed as part of this assessment.

4.1.5. Previous Environmental, Geological and Geotechnical Reports

No previous reports were available for review.

4.1.6. Company Records

No company records were available for review.

4.1.7. Environmental Source Information

Reasonable ascertainable environmental information associated with the Site and other properties within the phase one study area was collected by Ecolog ERIS Ltd., and provided to Fisher in the form of the “ERIS Report”, which is attached in Appendix B. A listing of all searchable databases, with descriptions, is provided at the end of the ERIS Report. In addition, other environmental source information and available natural heritage information for the Site and surrounding areas was researched by Fisher. Significant findings, based on property location by address and distance from the Site, are provided below.

TABLE 3: Environmental Sources of Information

Property Location & Approx. Distance/ Direction from Site	Database Findings Pertaining to the Property
SITE	
1000 McGarry Terrace – N/A	No listings were reported for the Site.
SURROUNDING PROPERTIES	
3651 Strandherd Drive – 20 m/West	Walmart Canada Corp. was listed under generator number ON4577042 as a hazardous waste generator of waste oils and lubricants, light fuels, petroleum distillates, and paint/pigment/coating residues, among others from 2009 to 2017.
3580 Strandherd Drive–	Imperial Oil Limited was listed as having a Certificate of Approval for



Property Location & Approx. Distance/ Direction from Site	Database Findings Pertaining to the Property
160 m/East Northeast	<p>industrial sewage works in 2003.</p> <p>1070443 Ontario Inc. was listed as a retail fuel outlet with three gasoline USTs, each with a capacity of 50,000 L installed in 2004.</p> <p>Imperial Oil was listed under generator number ON9703224 as a hazardous waste generator of light fuels and oil skimmings and sludges in 2009.</p>
NATURAL HERITAGE INFORMATION	
<p>The MNR Natural Heritage Areas online interface was utilized to provide natural heritage information.</p> <p>No area of natural significance is located within the phase one study area.</p>	

4.1.8. Topographical, Geological and Hydrogeological Sources

Regional Topographical, Geological and Hydrogeological Conditions are presented in the following table:

TABLE 4: Topographical, Geological and Hydrogeological Sources

Topography and Drainage	
Source:	Natural resources Canada – The Atlas of Canada online topography map
Regional Conditions:	Grade elevation along Longfields Drive slopes southeastward from approximately 105 m asl at the intersection with Strandherd Drive to approximately 90 m asl south of the intersection with Paul Metivier Drive. Grade elevation along Deercroft Avenue slopes towards the east from approximately 105 m asl at the intersection with Potrush Avenue to approximately 99 m asl at the intersection with Claridge Drive.
Site Conditions:	Site topography features a relatively flat area following the topography of the Site surroundings.
Surficial Geology	
Source:	Ontario Geological Survey 2010. Surficial geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 128-REV.
Regional Stratigraphic Conditions:	Sandy silt to silty sand till.
Site Conditions:	It is expected that subsurface soil conditions at the Site approach regional stratigraphic conditions.
Bedrock Geology	



Source:	Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1.
Regional Bedrock Conditions:	Shadow Lake Formation with limestone, dolostone, shale, arkose, and sandstone.
Site Conditions:	It is expected that bedrock conditions underlying the Site approach regional stratigraphic conditions.
Hydrogeology	
Source:	Freeze and Cherry 1979 and Holtz and Kovacs 1981.
Regional Conditions:	The surficial deposits within the study area consist mainly of sandy silt to silty sand with a typical range of hydraulic conductivity of $10^{-6} - 10^{-10}$ cm/sec. Approximate depth to water table is unknown.
Site Conditions:	It is expected that hydrogeological conditions underlying the Site approach regional conditions.
Nearest Open Water Body:	Jock River is located approximately 1.1 km south to southeast of the Site.
Inferred Groundwater Flow Direction:	Southeast, based on regional topography.

Regional Topographical and Geological Maps that include the phase one study area are attached in Appendix A.

4.2. Other Available Records

No other records pertaining to the phase one study area were available for review.

5. SITE RECONNAISSANCE

A visit at the Site, and at remaining publicly accessible phase one study area, was conducted by Sean Fisher of Fisher Environmental Ltd. on August 26, 2017. During the Site visit, the assessor was unaccompanied. Selected photographs taken at the phase one study area visit are included in Appendix A.

5.1. General

The objectives of the site reconnaissance are to determine if recognized environmental conditions exist on, in or under the Site, and to identify details of potential contaminants of



concern, potential contaminant pathways and potential source areas of contamination on, in or under the Site.

5.1.1. Methodology

TABLE 5: Site Reconnaissance Methodology

Date and Time of Investigation:	August 26, 2017, 10:00 am.
Weather Conditions:	Sunny, 20°C
Duration of the Investigation:	2 hours
Operational Industrial or Commercial Facility:	No
Observation Methods:	Visual assessment and photographs of the Site features.
Name and Qualifications of Assessor:	Sean Fisher, M.Sc.Eng., Project Manager

5.1.2. Limitations

Fisher Environmental was permitted access to all areas of the Site.

5.1.3. Current Property Use and Activities

No buildings or permanent structures were observed at the Site. The Site is vacant grass land with a drive along the central portion of the property.

No current Site activities, representing a potential environmental concern to the Site, were identified at the time of the Site visit.

5.1.4. Hazardous Materials Inventory

No hazardous materials were identified on-site at the time of our visit.

5.1.5. Fuels and Chemicals

No fuels or fuel storage and transport equipment were identified on-site at the time of our visit.

No chemicals or chemicals storage were identified on-site at the time of our visit.

5.1.6. Waste Generation and Storage

No waste materials are generated at the Site.



5.1.7. Unidentified Substances

No unidentified substances or unidentified substances storage were noted on-site at the time of our visit.

5.1.8. Air Discharges and Odours

No sources of air emissions that are suspected to result in residual contamination to the property were identified on the Site. Furthermore, no strong, pungent, or unusual odours were identified during the Site visit.

5.1.9. Potable Water Supply

Properties within the phase one study area rely on municipal water obtained from surface water bodies, as a source of drinking water.

5.1.10. Designated Substances and Other Special Attention Items

The OHSA, R.S.O. 1990 defines a toxic substance as a chemical, biological or physical agent whose presence or use in the workplace may endanger the health and safety of a worker. The parts of the Act that deals with toxic substances are intended to:

- 1) ensure that worker exposure to toxic substances is controlled;
- 2) ensure that toxic substances in the workplace are clearly identified and that workers receive enough information about them to be able to handle them safely; and,
- 3) provide the general public with access to information about toxic substances used by industry in their communities.

The Act allows a toxic substance to be “designated”, and its use in the workplace to be either prohibited or strictly controlled. Designation is reserved for substances that are particularly hazardous. No buildings or permanent structures were present at the Site therefore no designated substances were identified at the Site.

5.2. Interior Observations

5.2.1. Interior of Building and Structures

- No buildings were present at the Site therefore no interior observations were performed.



5.3. Exterior Observations

5.3.1. Exterior of Building and Structures

No building or permanent structures were present at the Site at the time of the Site visit.

5.3.2. Wells, Pits, Lagoons, Watercourses, Ditches or Standing Water

No evidence of abandoned or existing wells, pits, lagoons, watercourses, ditches or standing water was identified on the Site.

5.3.3. Sewage and Waste Water Disposal

Storm water accumulated on the landscaped and gravel-covered areas is draining by infiltration and/or overland flow. No wastewater discharges were identified to be produced on the Site at the time of the visit.

5.3.4. Stained Materials, Stressed Vegetation and Fill Materials

No stained materials, stressed vegetation or evidence of imported fill materials was noted on-site. It is unlikely that fill materials from uncontrolled sources were brought onto the Site.

5.3.5. Adjoining Properties Observation and Information

The current activities observed at the time of the visit on **properties within 250 m surrounding the Site**, and a summary of historical information gathered through the records review, are listed in the following tables.

TABLE 16.1: Current and Historical Use of Properties Within 250 m Surrounding the Site

Address:	Direction/Distance from/to Site:	Relation to Site:	Across:
226 to 272 Deercroft Avenue, 195 to 253 Potrush Avenue, and 174 to 301 Elite Private Road.	North – 0 to 250 m.	Neighbouring	Strandherd Drive
Occupant Name:		Current Property Use:	
Various residents		Residential	
Current Activities, Period:			
Residential properties since the mid-2000s.			



Historical Activities, Period:
Vacant land prior to the 2000s.
Potential Sources of Contamination:
No current or historical activities, operations or tenants on this property were identified as potential sources of contamination to the Site.

TABLE 6.2

Address:	Direction/Distance from/to Site:	Relation to Site:	Across:
1012 to 1034 McGarry Terrace and 101 Marketplace Avenue	South – 0 to 250 m.	Adjoining	N/A
Occupant Name:		Current Property Use:	
Unoccupied		Residential	
Current Activities, Period:			
A residential building and two sheds were present south of the Site. The residential dwelling and one shed were demolished sometime between 2014 and 2017. A storage shed with construction equipment and supplies is present at the Site and construction debris associated with the former residential dwelling.			
Historical Activities, Period:			
Residential since the 1970s to the late 2000s.			
Potential Sources of Contamination:			
No current or historical activities, operations or tenants on this property were identified as potential sources of contamination to the Site.			

TABLE 6.3

Address:	Direction/Distance from/to Site:	Relation to Site:	Across:
1034 to 1110 McGarry Terrace	East – 0 to 250 m.	Adjoining	N/A
Occupant Name:		Current Property Use:	
Various residents. Esso gasoline service station located at 3580 Strandherd Drive (160 m east to northeast of the Site).		Residential and commercial	
Current Activities, Period:			



Residential properties since the early 2000s to present.
Gasoline service station 160 m east to northeast of the Site.
Historical Activities, Period:
Vacant land prior to the 2000s.
Potential Sources of Contamination:
Based on the distance and cross-gradient location of the gasoline service station to the Site, it is not considered likely to impact the Site.
No current or historical activities, operations or tenants on this property were identified as potential sources of contamination to the Site.

TABLE 6.4

Address:	Direction from Site:	Relation to Site:	Across:
3651 to 3691 Strandherd Drive and 70 Riocan Road.	West	Neighbouring	McGarry Terrace
Occupant Name:		Current Property Use:	
Walmart Superstore followed by TD Canada Trust		Commercial	
Current Activities, Period, Current Tenants:			
Walmart Superstore and TD Bank ATM and offices.			
Historical Activities, Period, Former Tenants:			
Vacant land prior to the early 2000s.			
Potential Sources of Contamination:			
Walmart was identified as a hazardous waste generator. Due to use of the property for retail purposes and cross-gradient location, this is not considered likely to impact the Site.			
No current or historical activities, operations or tenants on this property were identified as potential sources of contamination to the Site.			

6. INTERVIEWS

Interviews with persons relevant to the objectives of the phase one environmental site assessment are conducted to obtain information determining if a recognized environmental condition exists at the Site, and to identify details of potentially contaminating activities or potential pathways in, on or under the Site.



6.1. Methodology

Fisher Environmental's Standard Questionnaire was used to conduct interviews with the client. The interview was conducted by telephone.

6.2. Limitations

All interview participants answered the asked questions to the best of their knowledge.

6.3. Interview Participant

a) Client: Bliss Edwards

The date, time, duration, method and place of the interview, name of interviewed person and reason for person selection, key questions and answers for each of the topics of the interview are included in Documentation of Interviews forms in Appendix C.

7. RECOGNIZED ENVIRONMENTAL CONDITIONS AT THE SITE

The term "recognized environmental condition" means the presence or likely presence of any hazardous substance on a property under conditions that indicate an existing release, past release, or a material threat of a release of a hazardous substance into structures on the property or into the ground, groundwater, or surface water of the property.

7.1. Subject Property Past and Present Occupants and Uses Contributing to Recognized Environmental Conditions which are or may be present on the Site

Identification of past and/or present occupants and uses, and any potentially contaminating activities within the subject property that may be contributing to recognized environmental conditions on the property is presented below:

TABLE 7: Past and Present Occupants and Activities Contributing to Recognized Environmental Conditions at Site

	Potentially Contaminating Activities	Recognized Environmental Conditions on the Subject Property



		Potentially Contaminating Activities	Recognized Environmental Conditions on the Subject Property
Past Occupants and Uses at Subject Property	Historically the Site was unoccupied agricultural land.	Not identified	None
Present Occupants and Uses at Subject Property	The Site is currently unoccupied vacant land.	Not identified	None

7.2. Past and Present Uses within a 250 m Area Surrounding the Subject Property, Contributing to Recognized Environmental Conditions at the Site

No past and/or present uses and any potentially contaminating activities within a 250 m area surrounding the subject property, which may be contributing to recognized environmental conditions at the Site, were identified.

CONCLUSIONS AND RECOMMENDATIONS

The Phase I ESA has revealed no evidence of actual and/or potential surface or sub-surface contamination associated with the Site and other properties within phase one study area, and no further investigation is required.



8. LIMITATIONS

This report was prepared for use by Dymon Group of Companies, and is based on the work as described in the Scope of Work. The conclusions presented in this report reflect existing Site conditions within the scope of this assignment.

As conducted, the present investigation may lack information or analytical work that are specific requirements for filing a Record of Site Condition (RSC) under Part XV.1 of the EPA and Amended O. Reg. 153/04, therefore, if a RSC is necessary, the property owner or its agent should undertake complementary investigations required under the RSC filing process.

There is no warranty, expressed or implied, by Fisher Environmental that this environmental assessment has identified all potential sources of contaminants or contaminants at the Site or adjacent properties, or that the Site is free from any and all contamination from past or current practices other than that noted, nor that all issues of environmental compliance have been addressed.

Some information presented in this report was provided through existing documents and interviews. Although attempts were made, whenever possible, to consult alternative sources of information, in certain cases Fisher Environmental Ltd. has been required to assume that the information provided is accurate. We accept no responsibility for any deficiency, misstatements or inaccuracies contained in this report as a result of omissions, misinterpretations or fraudulent acts of the persons contacted.

No investigation method can eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing the information obtained and the formulation of the conclusions and recommendations. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions reached, but commit ourselves to care and competence in reaching those conclusions. No warranty, whether expressed or implied, is included or intended in this report.

The scope of services performed may not be appropriate for the purposes of other users. This report should not be used in contexts other than pertaining to the evaluation of the property at the current time. Written authorization must be obtained from Fisher Environmental Ltd. prior to use by any other parties, or any future use of this document or its findings, conclusions, or recommendations represented herein. Any use that a third party makes of this report, or any



reliance on or decisions made on the basis of it, are the responsibility of the third parties. Fisher Environmental Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

9. QUALIFICATIONS OF THE ASSESSOR

The records review for this assessment were conducted by Ms. Lena Zdanowski, who has been trained and has over 3 years' experience in conducting Phase I ESA100 Phase I ESAs for commercial/industrial/residential clients and government agencies and is routinely engaged in this field.

As a Qualified person who conducts and supervises Phase I ESAs, Mr. David Fisher, president of Fisher Environmental Ltd., is a senior Managerial and Environmental Engineering Specialist with over 30 years of progressive, innovative experience in the Petrochemical and Environmental Engineering Industry. Mr. Fisher is responsible for the development and management of a progressive environmental consulting engineering company specializing in environmental site assessments and remediation, geotechnical and hydrogeological investigations, tank removals, PCB waste treatment, land reclamation, recycling, hazardous waste disposal, and associated laboratory analytical practices.

Fisher Environmental Ltd. has been established as a team of engineers and consultants since 1989, and continues to develop a strong, wide client base. The company is staffed with personnel holding graduate or postgraduate qualifications at the Toronto headquarters, as well as specialist associates offering a broad range of expertise and knowledge in environmental consulting. With a background in the petroleum industry, extensive experience has been gained in the prevention and cleanup of contamination in air, water and soil.



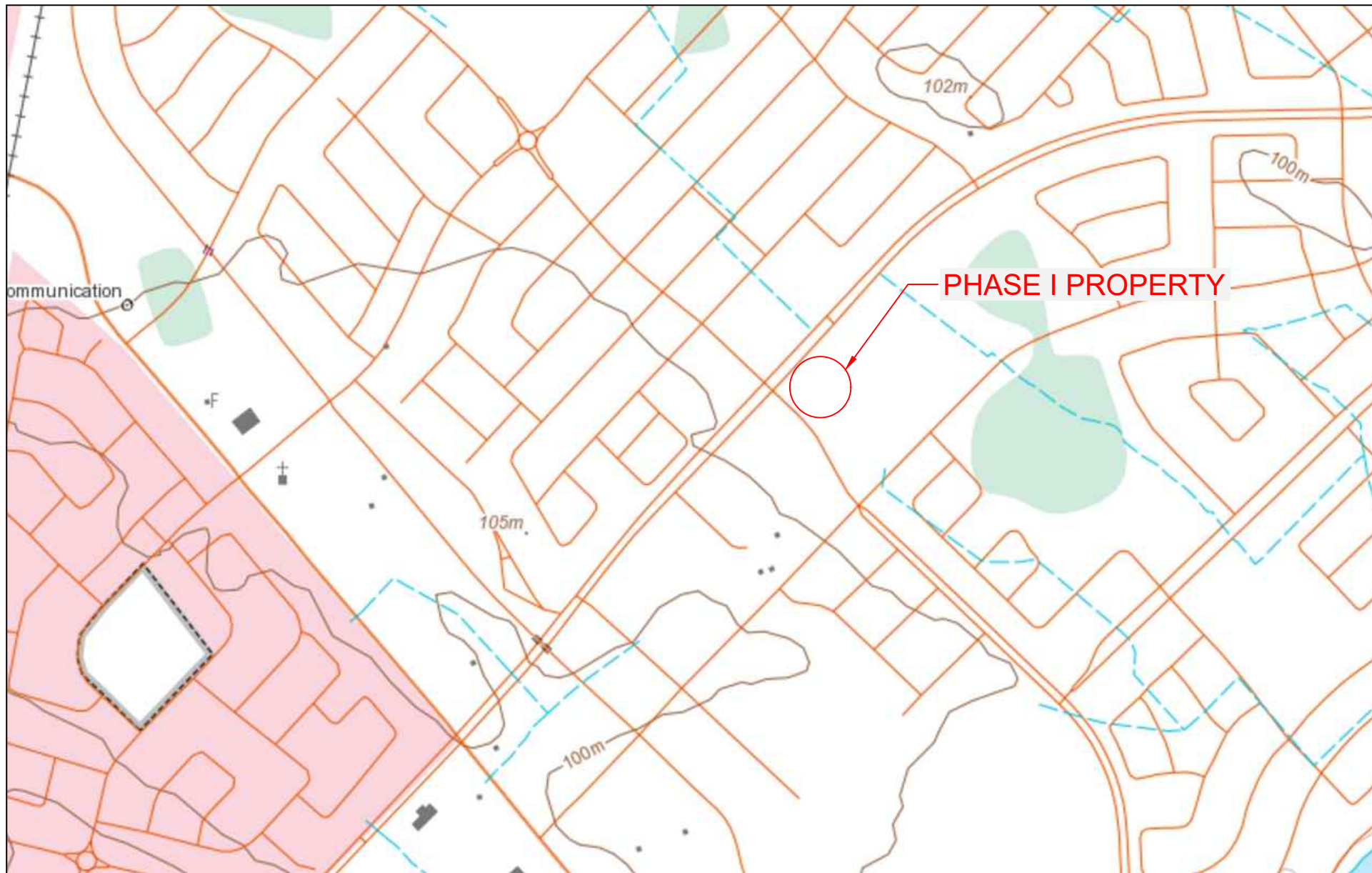
10. REFERENCES

- *Canadian Standards Association (CSA) Standard CAN/CSA-Z768-01 Phase I Environmental Site Assessment (reaffirmed in 2016);*
- *Ontario Regulation 153/04 (Records of Site Condition – Part XV.1 of the EPA);*
- *Occupational Health and Safety Act (OHSA), R.S.O. 1990, Ministry of Labour;*
- *Natural resources Canada – The Atlas of Canada online topography map*
- *Toronto Reference Library;*
- *Catalogue of Canadian Fire Insurance Plans 1875-1975;*
- *2002 MOECC Regulation 347 Public Information Data Set and the MOECC's Hazardous Waste Information Network (HWIN);*
- *Waste Disposal Site Inventories, MOECC, June 1991;*
- *Ontario Environmental Site Registry;*
- *Google Earth;*
- *Ontario Geological Survey 2010. Surficial geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 128-REV;*
- *Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1;*
- *ERIS Report, Ecolog ERIS Ltd., Report dated August 28, 2017.*



**APPENDIX A – SITE LOCATION MAP/TOPOGRAPHICAL MAP,
GEOLOGICAL MAPS, AERIAL & SITE PHOTOGRAPHS**





**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 McGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

NTS

FIGURE 1:

TOPOGRAPHICAL
MAP

SHEET NO.

1



**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND



TILL VENEER

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 McGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

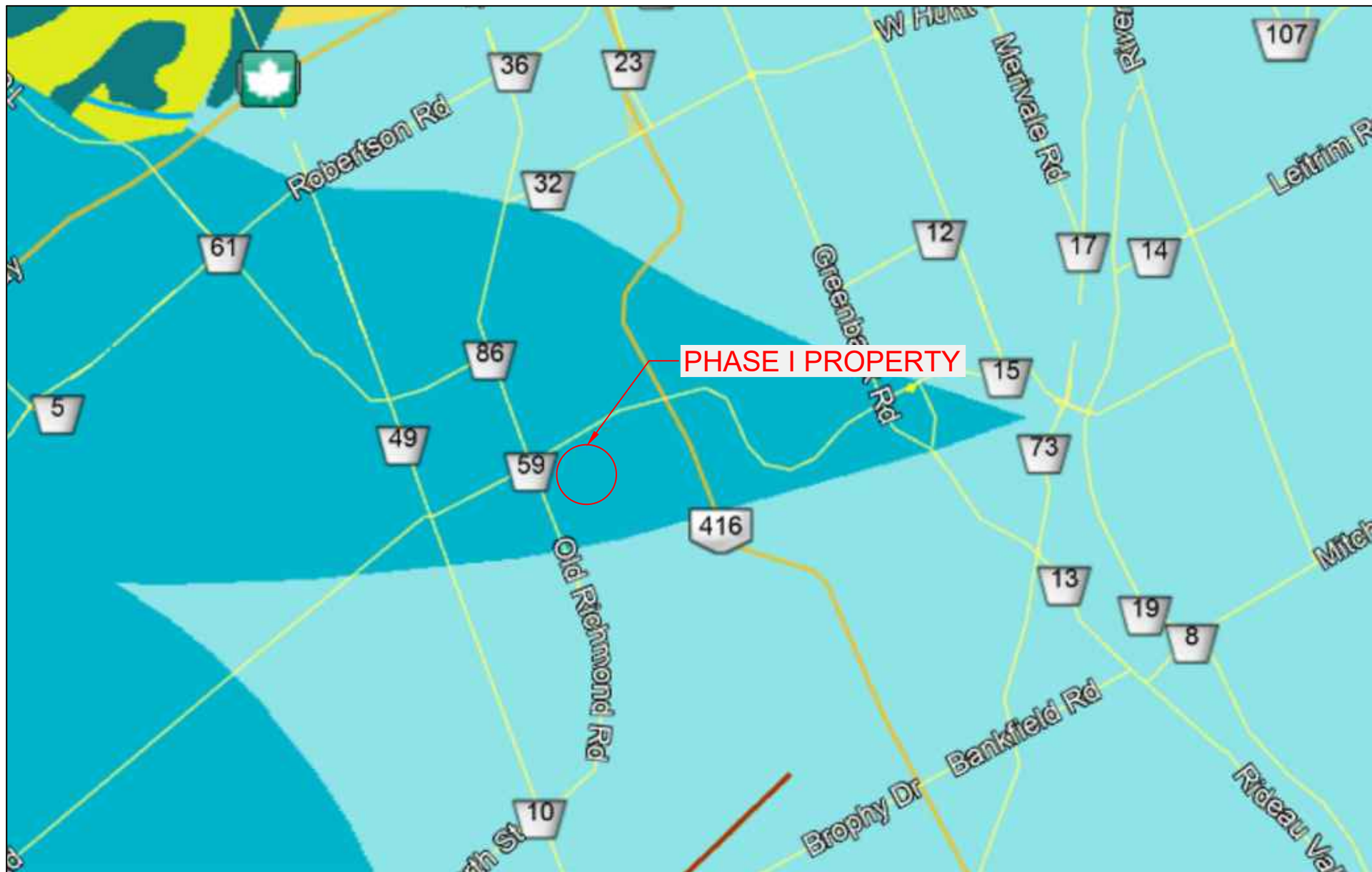
NTS

FIGURE 2:

GEOLOGICAL
MAP

SHEET NO.

2



**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND



ORDOVICIAN

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 McGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

NTS

FIGURE 3:

BEDROCK
SURFICIAL
MAP

SHEET NO.

3



**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 McGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

AS SHOWN

FIGURE 4:

AERIAL
PHOTO
1976

SHEET NO.

4



**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 McGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

AS SHOWN

FIGURE 5:

AERIAL
PHOTO
1991

SHEET NO.

5



**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 McGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

AS SHOWN

FIGURE 6:

AERIAL
PHOTO
2002

SHEET NO.

6



**Fisher
Environmental
Ltd.**

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

KEY PLAN



LEGEND

PROJECT NAME AND ADDRESS

PHASE I ESA

1000 MCGARRY TERRACE
OTTAWA, ON

PROJECT NO.

FE-P 17-8416

DATE

7 SEPTEMBER 2017

SCALE

AS SHOWN

FIGURE 8:

AERIAL
PHOTO
2014

SHEET NO.

8



1. Central portion of the Phase I ESA property, facing south.



2. Eastern portion of the Phase I ESA property, facing southeast.



3. Area of former residential dwelling to the south of the Phase I ESA property, facing south.



4. Shed containing construction equipment and supplies to the south of the Site, facing southeast.

APPENDIX B – ERIS REPORT





DATABASE REPORT

Project Property: 17-xxxx
1000 Mcgarry Terrace
Ottawa ON

Project No:

Report Type: Standard Report

Order No: 20170821091

Requested by: Fisher Environmental

Date Completed: August 28, 2017

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

www.erisinfo.com

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Executive Summary

Property Information:

Project Property: 17-xxxx
1000 McGarry Terrace Ottawa ON

Project No:

Coordinates:

Latitude: 45.272801
Longitude: -75.739791
UTM Northing: 5,013,522.03
UTM Easting: 441,970.53
UTM Zone: UTM Zone 18T

Elevation: 330 FT
100.45 M

Order Information:

Order No: 20170821091
Date Requested: August 21, 2017
Requested by: Fisher Environmental
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	5	5
CA	<i>Certificates of Approval</i>	Y	0	2	2
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	1	1
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	5	5
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	3	3
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	12	12
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	3	3
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	0	0
		Total:	0	34	34

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	BORE		ON	NNW/71.5	-0.97	15
2	BORE		ON	N/83.4	-1.01	15
3	BORE		ON	WNW/91.5	-0.03	16
4	EHS		SE Corner Strandherd & Longfield Ottawa-Carleton ON	NE/116.5	-2.00	16
5	EHS		1111 Longfields Drive Ottawa ON K2J 5A9	ENE/122.9	-2.04	17
6	EHS		1111 Longfields Dr Nepean ON K2J 5A9	ENE/141.3	-2.59	17
7	BORE		ON	NE/161.2	-2.88	17
8	BORE		ON	W/171.7	1.43	18
9	EASR	WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA	3651 STRANDHERD DR NEPEAN ON K2J 4G8	SW/181.8	1.25	18
9	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	SW/181.8	1.25	18
9	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON	SW/181.8	1.25	19
10	GEN	WAL-MART CANADA INC.	3651 STRANHERD DR. BARRHAVEN ON K2J 4G8	SW/194.0	0.54	20
10	PES	WAL-MART CANADA	3651 STRANDHERD DR BARRHAVEN ON K2J 4G8	SW/194.0	0.54	21
10	PES	WAL-MART	3651 STRANDHERD DR BARRHAVEN ON K2J 4G8	SW/194.0	0.54	21
10	PES	WAL-MART CANADA CORP #3638	3651 STRANDHERD DR BARRHAVEN ON K2J4G8	SW/194.0	0.56	21
11	EHS		1110 Longfields Dr. Ottawa ON	ENE/200.9	-2.92	21
12	CA	South Nepean Development Corporation	Longfields Drive at Marketplace Avenue Part of Lot 14 & 15, Conc.2 Ottawa ON	ESE/202.9	-2.06	21
13	CA	Imperial Oil Limited	3580 Strandherd Drive Ottawa ON	NE/217.8	-4.10	22
13	FSTH	1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NE/217.8	-4.10	22
13	FSTH	1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NE/217.8	-4.10	22
13	GEN	Imperial Oil	3580 Strondherd Rd. Ottawa ON	NE/217.8	-4.10	23
14	GEN	Conseil des Écoles catholiques du Centre-Est	1110, promenade Longfields Ottawa ON K2J 0H9	ENE/230.6	-2.59	23
15	EHS		3580 STRANDHERD RD OTTAWA ON	NNE/236.6	-3.63	24

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
16	ECA	Imperial Oil Limited	3580 Strandherd Drive Ottawa ON H1M 3R8	NNE/240.0	-3.69	24
16	FST	1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NNE/240.0	-3.69	24
16	FST	1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NNE/240.0	-3.69	24
16	FST	1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NNE/240.0	-3.69	25
17	GEN	WAL-MART CANADA INC.	3651 STRANHERD DR. #3638 BARRHAVEN ON	WSW/249.2	0.55	25
17	GEN	WAL-MART CANADA INC.	3651 STRANHERD DR. #3638 BARRHAVEN ON	WSW/249.2	0.55	26
17	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON	WSW/249.2	0.55	26
17	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW/249.2	0.55	27
17	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW/249.2	0.55	28
17	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW/249.2	0.55	29
17	GEN	Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW/249.2	0.55	30

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	171.69	<u>8</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	NNW	71.55	<u>1</u>
	ON	N	83.35	<u>2</u>
	ON	WNW	91.46	<u>3</u>
	ON	NE	161.23	<u>7</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
South Nepean Development Corporation	Longfields Drive at Marketplace Avenue Part of Lot 14 & 15, Conc.2 Ottawa ON	ESE	202.86	<u>12</u>
Imperial Oil Limited	3580 Strandherd Drive Ottawa ON	NE	217.82	<u>13</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Mar 2017 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA	3651 STRANDHERD DR NEPEAN ON K2J 4G8	SW	181.78	<u>9</u>

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 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Imperial Oil Limited	3580 Strandherd Drive Ottawa ON H1M 3R8	NNE	240.02	16

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 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	SE Corner Strandherd & Longfield Ottawa-Carleton ON	NE	116.54	4
	1111 Longfields Drive Ottawa ON K2J 5A9	ENE	122.90	5
	1111 Longfields Dr Nepean ON K2J 5A9	ENE	141.34	6
	1110 Longfields Dr. Ottawa ON	ENE	200.85	11
	3580 STRANDHERD RD OTTAWA ON	NNE	236.58	15

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 3 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NNE	240.02	16
1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NNE	240.02	16
1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NNE	240.02	16

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NE	217.82	13
1070443 ONTARIO INC O/A GAS STN	3580 STRANDHERD DR NEPEAN ON K2J 5L4	NE	217.82	13

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jun 2017 has found that there are 12 GEN site(s) within approximately 0.25 kilometers of the project property.

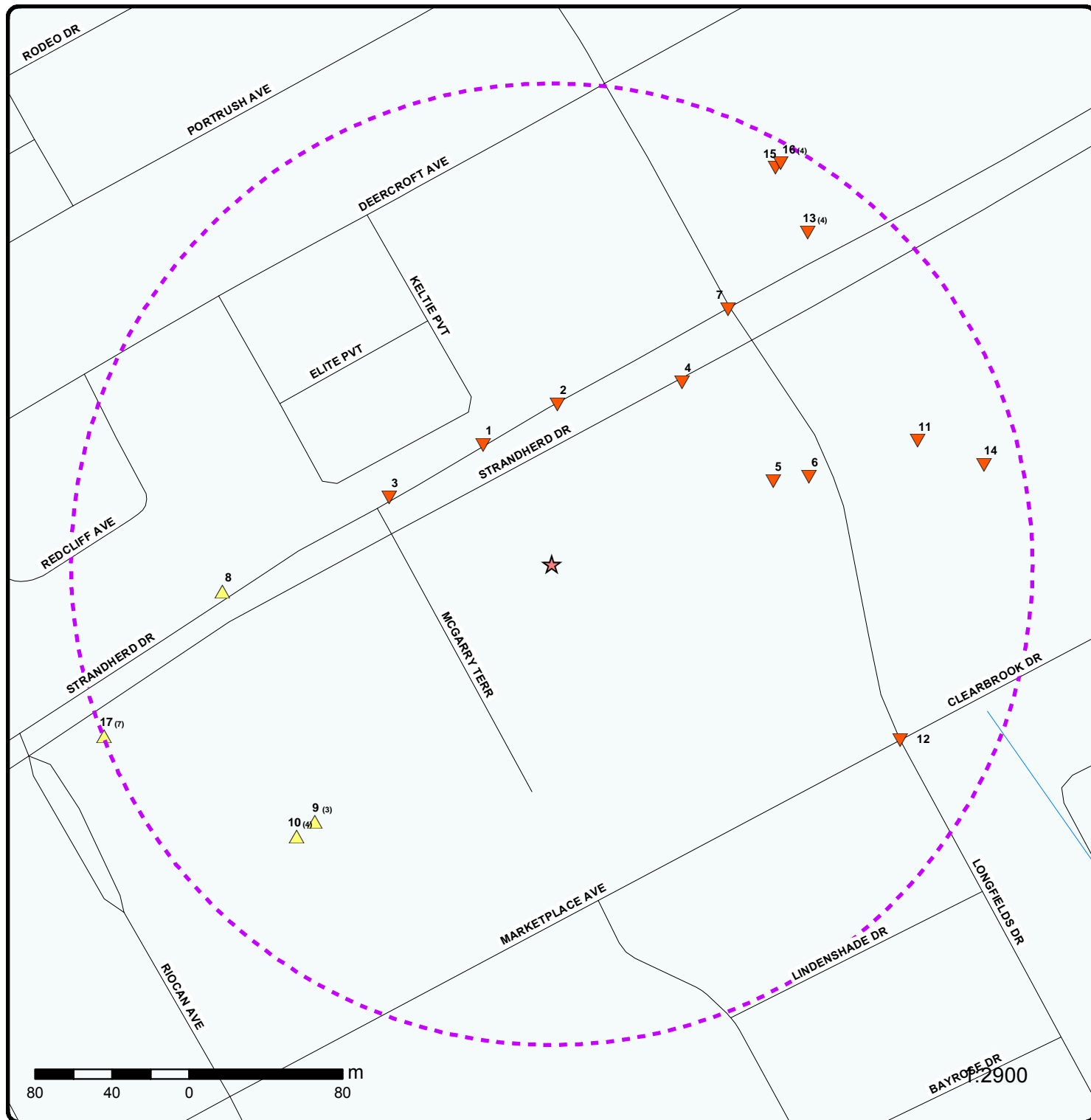
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	SW	181.78	<u>9</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON	SW	181.78	<u>9</u>
WAL-MART CANADA INC.	3651 STRANHERD DR. BARRHAVEN ON K2J 4G8	SW	194.01	<u>10</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW	249.20	<u>17</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW	249.20	<u>17</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW	249.20	<u>17</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	WSW	249.20	<u>17</u>
WAL-MART CANADA INC.	3651 STRANHERD DR. #3638 BARRHAVEN ON	WSW	249.20	<u>17</u>
WAL-MART CANADA INC.	3651 STRANHERD DR. #3638 BARRHAVEN ON	WSW	249.20	<u>17</u>
Walmart Canada Corp.	3651 STRANHERD DR. #3638 BARRHAVEN ON	WSW	249.20	<u>17</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Imperial Oil	3580 Strondherd Rd. Ottawa ON	NE	217.82	<u>13</u>
Conseil des Úcoles catholiques du Centre-Est	1110, promenade Longfields Ottawa ON K2J 0H9	ENE	230.64	<u>14</u>

PES - Pesticide Register

A search of the PES database, dated 1988-Oct 2016 has found that there are 3 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
WAL-MART	3651 STRANDHERD DR BARRHAVEN ON K2J 4G8	SW	194.01	<u>10</u>
WAL-MART CANADA	3651 STRANDHERD DR BARRHAVEN ON K2J 4G8	SW	194.01	<u>10</u>
WAL-MART CANADA CORP #3638	3651 STRANDHERD DR BARRHAVEN ON K2J4G8	SW	194.01	<u>10</u>



Map : 0.25 Kilometer Radius

Order No: 20170821091

Address: 1000 Mcgarry Terrace, Ottawa, ON



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

75°45'W

45°16'30"N

45°16'30"N



Aerial

Address: 1000 McGarry Terrace, Ottawa, ON

Source: ESRI World Imagery

Order No: 20170821091

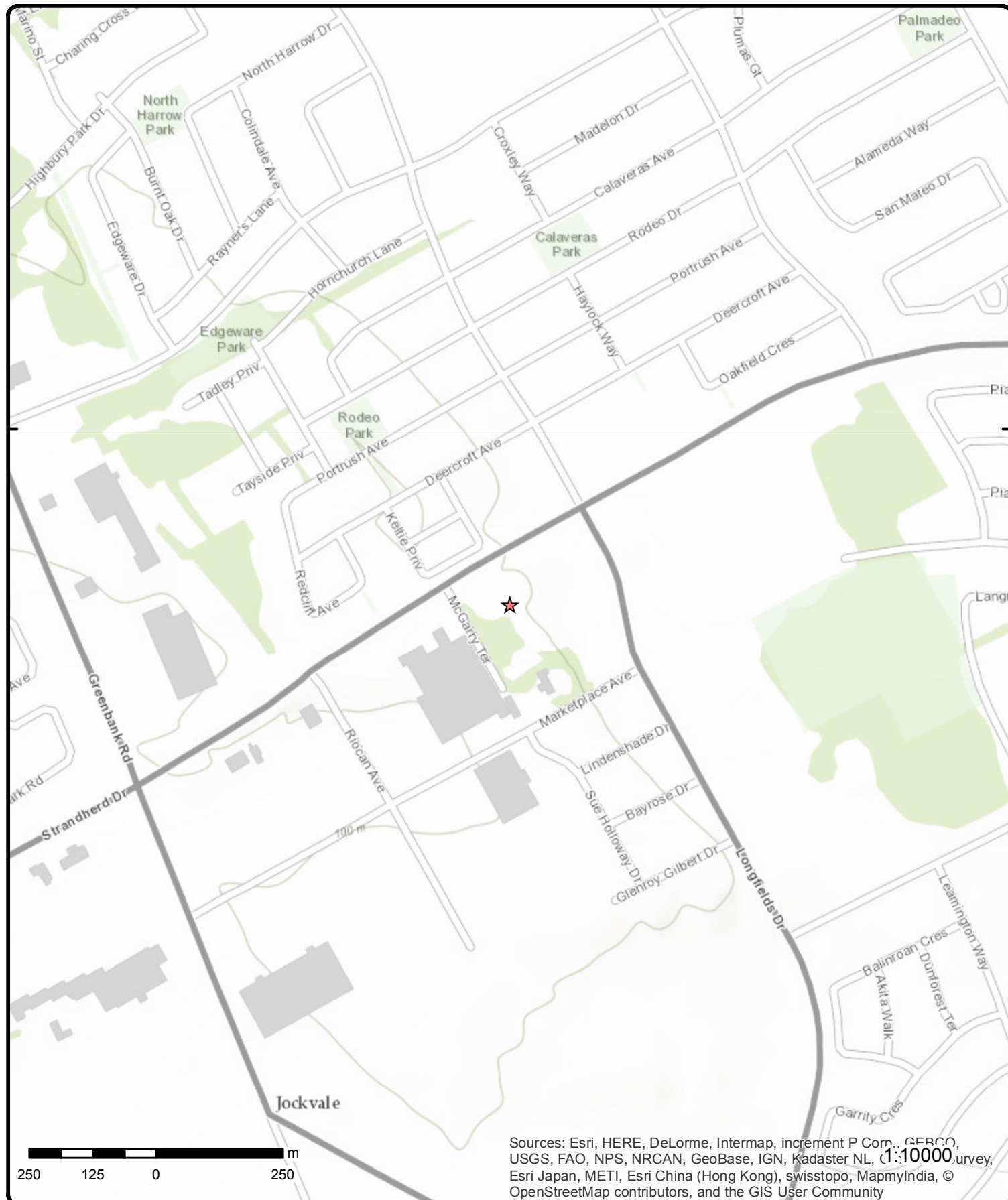
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



© ERIS Information Limited Partnership

45°16'30"N

45°16'30"N



Topographic Map

Address: 1000 McGarry Terrace, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20170821091



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	NNW/71.5	99.5	ON	BORE
<div> <div> Borehole ID: 808124 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 441934.97 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 2.1 Township:: Lot:: Completion Date:: 13-DEC-1999 Primary Water Use:: </div> <div> Type: Borehole Status:: UTM Zone:: 18 Northing:: 5013584.09 Orig. Ground Elev m:: 191 DEM Ground Elev m:: 101 Primary Name:: BH 99-6A Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use:: </div> </div>					
--Details--					
Stratum ID:		218595377		Top Depth(m):	0.0
Bottom Depth(m):		0.1		Stratum Desc:	Asphalt
Stratum ID:		218595378		Top Depth(m):	0.1
Bottom Depth(m):		0.2		Stratum Desc:	Grey Crushed Stone
Stratum ID:		218595379		Top Depth(m):	0.2
Bottom Depth(m):		0.3		Stratum Desc:	Brown Subbase Sand With: Gr Trace: Si
Stratum ID:		218595380		Top Depth(m):	0.3
Bottom Depth(m):		0.6		Stratum Desc:	Brown Loose Silt - Sand With: Gr
Stratum ID:		218595381		Top Depth(m):	0.6
Bottom Depth(m):		2.1		Stratum Desc:	Brown Dense Till Silt - Sand With: Gr W Cob W Blds
2	1 of 1	N/83.4	99.4	ON	BORE
<div> <div> Borehole ID: 808118 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 441973.45 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 2.6 Township:: Lot:: Completion Date:: 10-DEC-1999 Primary Water Use:: </div> <div> Type: Borehole Status:: UTM Zone:: 18 Northing:: 5013605.37 Orig. Ground Elev m:: 100 DEM Ground Elev m:: 100 Primary Name:: BH 99-6 Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use:: </div> </div>					
--Details--					
Stratum ID:		218595364		Top Depth(m):	0.0
Bottom Depth(m):		0.1		Stratum Desc:	Asphalt
Stratum ID:		218595365		Top Depth(m):	0.1
Bottom Depth(m):		0.2		Stratum Desc:	Crushed Stone

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID: Bottom Depth(m):	218595366 0.8			Top Depth(m): Stratum Desc:	0.2 Brown Subbase Sand With: Gr Trace: Si
Stratum ID: Bottom Depth(m):	218595367 1.4			Top Depth(m): Stratum Desc:	0.8 Brown Loose Silt - Sand With: Gr
Stratum ID: Bottom Depth(m):	218595368 2.6			Top Depth(m): Stratum Desc:	1.4 Brown Dense to Very Dense Till Silt - Sand With: Gr W Cob W Blds

<u>3</u>	1 of 1	WNW/91.5	100.4	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	808114 Geotechnical/Geological Investigation Hollow stem auger 441886 7.8 10-DEC-1999			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5013557 101 101 BH 99-5 -999.9
--Details--					
Stratum ID: Bottom Depth(m):	218595354 0.1			Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Depth(m):	218595355 0.2			Top Depth(m): Stratum Desc:	0.1 Grey Crushed Stone
Stratum ID: Bottom Depth(m):	218595356 0.6			Top Depth(m): Stratum Desc:	0.2 Brown Subbase Sand - Gravel
Stratum ID: Bottom Depth(m):	218595357 1.2			Top Depth(m): Stratum Desc:	0.6 Dark Brown Loose Topsoil sand silt
Stratum ID: Bottom Depth(m):	218595358 1.5			Top Depth(m): Stratum Desc:	1.2 Brown Silt - Sand With: Gr
Stratum ID: Bottom Depth(m):	218595359 7.6			Top Depth(m): Stratum Desc:	1.5 Brown Compact to Dense Till Silt - Sand With: Gr W Cob W Blds
Stratum ID: Bottom Depth(m):	218595360 7.8			Top Depth(m): Stratum Desc:	7.6 Sand Trace: Gr

<u>4</u>	1 of 1	NE/116.5	98.4	SE Corner Strandherd & Longfield Ottawa-Carleton ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type:	 20020111002 Fire Insur. Maps and/or Site Plans and/or Inspection Reports 1/21/02 Complete Report				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Search Radius (km):		0.60			
5	1 of 1	ENE/122.9	98.4	1111 Longfields Drive Ottawa ON K2J 5A9	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20120213031			
Addit. Info Ordered::					
Report Date:		2/21/2012 1:08:06 PM			
Report Type:		Standard Select Report			
Search Radius (km):		0.25			
6	1 of 1	ENE/141.3	97.9	1111 Longfields Dr Nepean ON K2J 5A9	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20061212033			
Addit. Info Ordered::					
Report Date:		12/18/2006			
Report Type:		Complete Report			
Search Radius (km):		0.25			
7	1 of 1	NE/161.2	97.6	ON	BORE
Borehole ID:		808125		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status::	
Drill Method::		Hollow stem auger		UTM Zone::	18
Easting::		442062.11		Northing::	5013654.72
Location Accuracy::				Orig. Ground Elev m::	98.9
Elev. Reliability Note::				DEM Ground Elev m::	98.2
Total Depth m::		5.2		Primary Name::	BH 99-7
Township::				Concession::	
Lot::				Municipality:	
Completion Date::		10-DEC-1999		Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:		218595382		Top Depth(m):	0.0
Bottom Depth(m):		0.1		Stratum Desc:	Asphalt
Stratum ID:		218595383		Top Depth(m):	0.1
Bottom Depth(m):		0.1		Stratum Desc:	Grey Crushed Stone
Stratum ID:		218595384		Top Depth(m):	0.1
Bottom Depth(m):		0.8		Stratum Desc:	Brown Subbase Sand With: Gr Trace: Si
Stratum ID:		218595385		Top Depth(m):	0.8
Bottom Depth(m):		1.1		Stratum Desc:	Brown to Black Loose Fill-Misc Silt - Sand With: Gr
Stratum ID:		218595386		Top Depth(m):	1.1

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Bottom Depth(m):	1.5			Stratum Desc: Brown Stiff clay silt With: Sa	
Stratum ID:	218595387			Top Depth(m): 1.5	
Bottom Depth(m):	5.2			Stratum Desc: Brown Compact to Very Dense Till Silt - Sand With: Gr W Cob W Blds	
8	1 of 1	W/171.7	101.9	ON	BORE
Borehole ID:	808113			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	441799.44			Northing::	5013507.62
Location Accuracy::				Orig. Ground Elev m::	103
Elev. Reliability Note::				DEM Ground Elev m::	103
Total Depth m::	8.1			Primary Name::	BH 99-4
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-DEC-1999			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595350			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Asphalt
Stratum ID:	218595351			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Grey-Brown Base Sand - Gravel
Stratum ID:	218595352			Top Depth(m):	0.2
Bottom Depth(m):	1.2			Stratum Desc:	Brown Subbase Sand - Gravel
Stratum ID:	218595353			Top Depth(m):	1.2
Bottom Depth(m):	8.1			Stratum Desc:	Brown Compact to Very Dense Till Silt - Sand With: Gr W Cob W Blds
9	1 of 3	SW/181.8	101.7	WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA 3651 STRANDHERD DR NEPEAN ON K2J 4G8	EASR
Approval No:	R-003-7556995107				
Project Type:	Heating System				
Date:	12/15/2015 4:41:23 PM				
Status:	REGISTERED				
Longitude:	-75.74138889				
Latitude:	45.27166667				
Record Type:	EASR				
PDF URL:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2018734				
9	2 of 3	SW/181.8	101.7	Walmart Canada Corp. 3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	GEN
Generator No.:	ON4577042			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	453999				
SIC Description:	All Other Miscellaneous Store Retailers (except Beer and Wine-Making Supplies Stores)				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
9	3 of 3	SW/181.8	101.7	Walmart Canada Corp. 3651 STRANHERD DR. #3638 BARRHAVEN ON	GEN
Generator No.:	ON4577042			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	453999				
SIC Description:		ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT BEER AND WINE-MAKING SUPPLIES STORES)			
--Details--					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
10	1 of 4	SW/194.0	101.0	WAL-MART CANADA INC. 3651 STRANHERD DR. BARRHAVEN ON K2J 4G8	GEN
Generator No.:	ON4577042			PO Box No.:	
Status:				Country:	
Approval Years:	02,03,04,05,06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		265			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
<u>10</u>	2 of 4	SW/194.0	101.0	WAL-MART CANADA 3651 STRANDHERD DR BARRHAVEN ON K2J 4G8	PES
Detail Licence No.:		23-01-12189-0			
Licence Type:		Limited Vendor			
<u>10</u>	3 of 4	SW/194.0	101.0	WAL-MART 3651 STRANDHERD DR BARRHAVEN ON K2J 4G8	PES
Detail Licence No.:		23-01-12431-0			
Licence Type:		Limited Vendor			
<u>10</u>	4 of 4	SW/194.0	101.0	WAL-MART CANADA CORP #3638 3651 STRANDHERD DR BARRHAVEN ON K2J4G8	PES
Detail Licence No.:		Vendor			
<u>11</u>	1 of 1	ENE/200.9	97.5	1110 Longfields Dr. Ottawa ON	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20090706002			
Addit. Info Ordered.:		City Directory			
Report Date:		7/14/2009			
Report Type:		Standard Report			
Search Radius (km):		0.25			
<u>12</u>	1 of 1	ESE/202.9	98.4	South Nepean Development Corporation Longfields Drive at Marketplace Avenue Part of Lot 14 & 15, Conc.2 Ottawa ON	CA
Certificate #:		0204-8AMRXJ			
Application Year:		2010			
Issue Date:		10/29/2010			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		Municipal and Private Sewage Works Approved			
13	1 of 4	NE/217.8	96.3	Imperial Oil Limited 3580 Strandherd Drive Ottawa ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		4514-5MBU5P 2003 5/15/2003 Industrial Sewage Works Approved			
13	2 of 4	NE/217.8	96.3	1070443 ONTARIO INC O/A GAS STN 3580 STRANDHERD DR NEPEAN ON K2J 5L4	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		8/8/2007 Licensed August 2007 Retail Fuel Outlet Gasoline Station - Self Serve			
--Details--					
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 2004 50000 Liquid Fuel Double Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 2004 50000 Liquid Fuel Double Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 2004 50000 Liquid Fuel Double Wall UST - Gasoline			
13	3 of 4	NE/217.8	96.3	1070443 ONTARIO INC O/A GAS STN	FSTH

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
				3580 STRANDHERD DR NEPEAN ON K2J 5L4	
License Issue Date:		8/8/2007 10:36:00 AM			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
 --Details--					
Status:		Active			
Year of Installation:		2004			
Corrosion Protection:					
Capacity:		50000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		2004			
Corrosion Protection:					
Capacity:		50000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		2004			
Corrosion Protection:					
Capacity:		50000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
<hr/>					
<u>13</u>	4 of 4	NE/217.8	96.3	Imperial Oil 3580 Strondherd Rd. Ottawa ON	GEN
Generator No.:	ON9703224			PO Box No.:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	412110				
SIC Description:	Petroleum Product Wholesaler-Distributors				
 --Details--					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
<hr/>					
<u>14</u>	1 of 1	ENE/230.6	97.9	Conseil des Écoles catholiques du Centre-Est 1110, promenade Longfields Ottawa ON K2J 0H9	GEN
Generator No.:	ON2700281			PO Box No.:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611690				
SIC Description:					
<hr/>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
15	1 of 1	NNE/236.6	96.8	3580 STRANDHERD RD OTTAWA ON	EHS
Postal Code: City: OTTAWA Address2: Address1: 3580 STRANDHERD RD Provstate: ON Order No.: 20150427156 Addit. Info Ordered:: Report Date: 01-MAY-15 Report Type: Standard Report Search Radius (km): .25					
16	1 of 4	NNE/240.0	96.8	Imperial Oil Limited 3580 Strandherd Drive Ottawa ON H1M 3R8	ECA
Approval No: 4514-5MBU5P Project Type: Industrial Sewage Works Date: 5/15/2003 2:11:10 PM Status: Approved Longitude: -75.7383 Latitude: 45.2747 Record Type: ECA PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/8315-5LEKX9-14.pdf Full Address:					
16	2 of 4	NNE/240.0	96.8	1070443 ONTARIO INC O/A GAS STN 3580 STRANDHERD DR NEPEAN ON K2J 5L4	FST
Instance No: 32453174 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 50000 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Double Wall UST Install Year: 2004 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
16	3 of 4	NNE/240.0	96.8	1070443 ONTARIO INC O/A GAS STN 3580 STRANDHERD DR NEPEAN ON K2J 5L4	FST
Instance No: 32453172 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 50000 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Double Wall UST Install Year: 2004 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	4 of 4	NNE/240.0	96.8	1070443 ONTARIO INC O/A GAS STN 3580 STRANDHERD DR NEPEAN ON K2J 5L4	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		32453173 FS Liquid Fuel Tank Gasoline Active 50000 Fiberglass (FRP) Fiberglass Double Wall UST 2004 FS Gasoline Station - Self Serve FS Liquid Fuel Tank			
17	1 of 7	WSW/249.2	101.0	WAL-MART CANADA INC. 3651 STRANHERD DR. #3638 BARRHAVEN ON	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON4577042 2009 453999 All Other Miscellaneous Store Retailers (except Beer and Wine-Making Supplies Stores)			
--Details--					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
<hr/>					
17	2 of 7	WSW/249.2	101.0	WAL-MART CANADA INC. 3651 STRANHERD DR. #3638 BARRHAVEN ON	GEN
Generator No.:	ON4577042			PO Box No.:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	453999				
SIC Description:	All Other Miscellaneous Store Retailers (except Beer and Wine-Making Supplies Stores)				
<hr/>					
--Details--					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
<hr/>					
17	3 of 7	WSW/249.2	101.0	Walmart Canada Corp. 3651 STRANHERD DR. #3638 BARRHAVEN ON	GEN
Generator No.:	ON4577042			PO Box No.:	
Status:				Country:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	2011 453999			Choice of Contact: Co Admin: Phone No. Admin: All Other Miscellaneous Store Retailers (except Beer and Wine-Making Supplies Stores)	
--Details--					
Waste Code: Waste Description:		265 GRAPHIC ART WASTES			
Waste Code: Waste Description:		331 WASTE COMPRESSED GASES			
Waste Code: Waste Description:		262 DETERGENTS/SOAPS			
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		122 ALKALINE WASTES - OTHER METALS			
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		213 PETROLEUM DISTILLATES			
Waste Code: Waste Description:		112 ACID WASTE - HEAVY METALS			
Waste Code: Waste Description:		147 CHEMICAL FERTILIZER WASTES			
Waste Code: Waste Description:		148 INORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Code: Waste Description:		221 LIGHT FUELS			
17	4 of 7	WSW/249.2	101.0	Walmart Canada Corp. 3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4577042 2016 No No 453999			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin: ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT BEER AND WINE-MAKING SUPPLIES STORES)	
--Details--					
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		145 PAINT/PIGMENT/COATING RESIDUES			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			

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WSW/249.2

101.0

Walmart Canada Corp.

3651 STRANHERD DR. #3638

BARRHAVEN ON K2J 4G8

GEN

Generator No.:

ON4577042

Status:

Approval Years:

2015

Contam. Facility:

No

MHSW Facility:

No

SIC Code:

453999

SIC Description:

ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT BEER AND WINE-MAKING SUPPLIES STORES)

PO Box No.:

Country:

Canada

Choice of Contact:

CO_OFFICIAL

Co Admin:

Vincent Feng

Phone No. Admin:

905-821-2111 Ext.75212

--Details--

Waste Code:

122

Waste Description:

ALKALINE WASTES - OTHER METALS

Waste Code:

147

Waste Description:

CHEMICAL FERTILIZER WASTES

Waste Code:

331

Waste Description:

WASTE COMPRESSED GASES

Waste Code:

312

Waste Description:

PATHOLOGICAL WASTES

Waste Code:

262

Waste Description:

DETERGENTS/SOAPS

Waste Code:

221

Waste Description:

LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			

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6 of 7

WSW/249.2

101.0

Walmart Canada Corp.

3651 STRANHERD DR. #3638

BARRHAVEN ON K2J 4G8

GEN

Generator No.:

ON4577042

PO Box No.:

Country:

Canada

Choice of Contact:

CO_ADMIN

Co Admin:

Vincent Feng

Phone No. Admin:

905-821-2111 Ext.75212

Status:

2014

Approval Years:

No

Contam. Facility:

No

MHSW Facility:

453999

SIC Code:

SIC Description:

ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT BEER AND WINE-MAKING SUPPLIES STORES)

--Details--

Waste Code:

122

Waste Description:

ALKALINE WASTES - OTHER METALS

Waste Code:

145

Waste Description:

PAINT/PIGMENT/COATING RESIDUES

Waste Code:

252

Waste Description:

WASTE OILS & LUBRICANTS

Waste Code:

312

Waste Description:

PATHOLOGICAL WASTES

Waste Code:

148

Waste Description:

INORGANIC LABORATORY CHEMICALS

Waste Code:

221

Waste Description:

LIGHT FUELS

Waste Code:

147

Waste Description:

CHEMICAL FERTILIZER WASTES

Waste Code:

263

Waste Description:

ORGANIC LABORATORY CHEMICALS

Waste Code:

331

Waste Description:

WASTE COMPRESSED GASES

Waste Code:

213

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
17	7 of 7	WSW/249.2	101.0	Walmart Canada Corp. 3651 STRANHERD DR. #3638 BARRHAVEN ON K2J 4G8	GEN
Generator No.:		ON4577042		PO Box No.:	
Status:		Registered		Country: Canada	
Approval Years:		As of Jun 2017		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		312 P			
Waste Description:		Pathological wastes			
Waste Code:		331 I			
Waste Description:		Waste compressed gases including cylinders			
Waste Code:		122 C			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Code:		148 I			
Waste Description:		Misc. wastes and inorganic chemicals			
Waste Code:		263 I			
Waste Description:		Misc. waste organic chemicals			
Waste Code:		145 I			
Waste Description:		Wastes from the use of pigments, coatings and paints			
Waste Code:		148 T			
Waste Description:		Misc. wastes and inorganic chemicals			
Waste Code:		252 L			
Waste Description:		Waste crankcase oils and lubricants			
Waste Code:		148 C			
Waste Description:		Misc. wastes and inorganic chemicals			
Waste Code:		242 A			
Waste Description:		Halogenated pesticides and herbicides			
Waste Code:		112 C			
Waste Description:		Acid solutions - containing heavy metals			

Unplottable Summary

Total: 29 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Melron Property Enterprises Inc.	Part of Lot 15 Junction Gore	Ottawa ON	
CA	SOUTH NEPEAN DEVELOPMENT CORP.	PT.LOTS 14&15/C-2, PH.1, SWM	NEPEAN ON	
CA		Pt. Lot 16, Conc. 2, (Rideau Front)	Nepean ON	
CA	South Nepean Development Corporation		Ottawa ON	
CA	DCR/PHOENIX DEVELOPMENMT CORP.	STRANDHERD DRIVE	NEPEAN CITY ON	
CA	South Nepean Development Corporation		Ottawa ON	
CA	South Nepean Development Corporation		Ottawa ON	
CA	South Nepean Development Corporation	Part of Lots 13, and 14, Concession 2, Rideau Front	Ottawa ON	
CA	South Nepean Development Corporation	Rideau Front	Ottawa ON	
CA	South Nepean Development Corporation		Ottawa ON	
CA	NEPEAN CITY-LOTS 15 & 16, CONC. 2 & 3	STRANDHERD DR/STORMWATER MANAG	NEPEAN CITY ON	
CA	City of Ottawa	Strandherd Drive	Ottawa ON	
CA	City of Ottawa	Strandherd Drive	Ottawa ON	
CA	Gerry Clarke	Strandherd Dr Lots 14/15, Concession 3	Ottawa ON	
CA	South Nepean Development Corporation	Part of Lots 13 14 and 15 Concession 2 Rideau Front	Ottawa ON	
CA	South Nepean Development Corporation	Part of Lots 13, 14 and 15, Concession 2, Rideau Front	Ottawa ON	
CA	City of Ottawa	Part of Lot 15, Gore Junction	Ottawa ON	

CA		Pt. Lot 16, Conc. 2, (Rideau Front)	Nepean ON	
CFOT	Bell Canada	Strandherd Dr, Nepean (Jockvale) ON	NEPEAN ON	
ECA	South Nepean Development Corporation	Rideau Front	Ottawa ON	K7R 7Y2
ECA	South Nepean Development Corporation	Rideau Front	Ottawa ON	K7R 7Y2
ECA	South Nepean Development Corporation	Rideau Front	Ottawa ON	K7R 7Y2
ECA	WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA		ON	
ECA	South Nepean Development Corporation		Ottawa ON	K1P 0B6
ECA	South Nepean Development Corporation		Ottawa ON	K1P 0B6
ECA	WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA		ON	
ECA	City of Ottawa	Part of Lot 15, Gore Junction	Ottawa ON	K2G 6J8
PTTW	Shell Canada Products Ltd.Don Mills Division	Lot 16	City of Nepean ON	
SPL	Geo. W. Drummond Excavating Inc<UNOFFICIAL>	Strandherd Dr and Temporary	Ottawa ON	

Unplottable Report

Site: *Melron Property Enterprises Inc.*
Part of Lot 15 Junction Gore Ottawa ON

Database:
CA

Certificate #: 6154-5JWM4C
Application Year: 2003
Issue Date: 2/24/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *SOUTH NEPEAN DEVELOPMENT CORP.*
PT.LOTS 14&15/C-2, PH.1, SWM NEPEAN ON

Database:
CA

Certificate #: 3-1396-98-
Application Year: 98
Issue Date: 10/20/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *Pt. Lot 16, Conc. 2, (Rideau Front) Nepean ON*

Database:
CA

Certificate #: 6012-4HNL23
Application Year: 00
Issue Date: 3/28/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Tartan Lane Corporation
Client Address:: 331 Cooper Street
Client City:: Ottawa
Client Postal Code::
Project Description:: Extension of local sewer system in the Longfields Subdivision in the City of Nepean.
Contaminants::
Emission Control::

Site: *South Nepean Development Corporation*
Ottawa ON

Database:
CA

Certificate #: 8529-72CKGR
Application Year: 2007

Issue Date: 5/7/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DCR/PHOENIX DEVELOPMENMT CORP.
STRANDHERD DRIVE NEPEAN CITY ON

Database:
CA

Certificate #: 3-1122-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: South Nepean Development Corporation
Ottawa ON

Database:
CA

Certificate #: 4449-7XVU9J
Application Year: 2009
Issue Date: 11/18/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: South Nepean Development Corporation
Ottawa ON

Database:
CA

Certificate #: 9472-823Q7E
Application Year: 2010
Issue Date: 1/29/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: South Nepean Development Corporation
Part of Lots 13, and 14, Concession 2, Rideau Front Ottawa ON

Database:
CA

Certificate #: 5412-6PPRJE
Application Year: 2006
Issue Date: 5/19/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: South Nepean Development Corporation
Rideau Front Ottawa ON

Database:
CA

Certificate #: 0915-8MKHLG
Application Year: 2011
Issue Date: 10/19/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: South Nepean Development Corporation
Ottawa ON

Database:
CA

Certificate #: 4639-6ZBK9E
Application Year: 2007
Issue Date: 3/25/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: NEPEAN CITY-LOTS 15 & 16, CONC. 2 & 3
STRANDHERD DR/STORMWATER MANAG NEPEAN CITY ON

Database:
CA

Certificate #: 3-1089-90-
Application Year: 90
Issue Date: 10/1/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: City of Ottawa
Strandherd Drive Ottawa ON

Database:
CA

Certificate #: 1254-73VKL4
Application Year: 2007
Issue Date: 6/17/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Strandherd Drive Ottawa ON

Database:
CA

Certificate #: 5791-77LJ85
Application Year: 2007
Issue Date: 10/2/2007
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Gerry Clarke
Strandherd Dr Lots 14/15, Concession 3 Ottawa ON

Database:
CA

Certificate #: 1248-7GRPKA
Application Year: 2008
Issue Date: 9/11/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: South Nepean Development Corporation
Part of Lots 13 14 and 15 Concession 2 Rideau Front Ottawa ON

Database:
CA

Certificate #: 9377-6TNU92
Application Year: 2006
Issue Date: 9/19/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:

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

Site: South Nepean Development Corporation
Part of Lots 13, 14 and 15, Concession 2, Rideau Front Ottawa ON

Database:
CA

Certificate #: 9340-6S3LNC
Application Year: 2006
Issue Date: 10/6/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Part of Lot 15, Gore Junction Ottawa ON

Database:
CA

Certificate #: 5759-6BUQTB
Application Year: 2005
Issue Date: 5/16/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Pt. Lot 16, Conc. 2, (Rideau Front) Nepean ON

Database:
CA

Certificate #: 8002-4HNKET
Application Year: 00
Issue Date: 3/28/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Tartan Lane Corporation
Client Address:: 331 Cooper Street
Client City:: Ottawa
Client Postal Code::
Project Description:: Extension of local water distribution system in the Longfields Subdivision in the City of Nepean.
Contaminants::
Emission Control::

Site: Bell Canada
Strandherd Dr, Nepean (Jockvale) ON NEPEAN ON

Database:
CFOT

Licence No:

Letter Sent:

Registration No: 200204-1515
Posse File No:
Posse Reg No:
Tank Type:
Instance Number:
Facility Type:
Instance Type:
Status Name:
Fuel Type:
Distributor: Esso
Tank Material: Fiberglass reinforced plastic
Tank Age (as of 05/1992): 9 yrs
Tank Size: 5072 L

Corrosion Protection:
Province:
Nbr:
Contact Name: c/o Alain Naud
Contact Address: 3685 Aylmer - Bureau 200
Contact Address2:
Contact Suite:
Contact City: Montreal
Contact Prov: QC
Contact Postal: H2X 2C5
Tank Address: Strandherd Dr, Nepean (Jockvale) ON
Comments:

Site: **South Nepean Development Corporation**
Rideau Front Ottawa ON K7R 7Y2

Database:
ECA

Approval No: 2129-7E9PE4
Project Type: Municipal and Private Sewage Works
Date: 5/6/2008 2:11:53 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/5259-7DZPAG-14.pdf>
Full Address:

Site: **South Nepean Development Corporation**
Rideau Front Ottawa ON K7R 7Y2

Database:
ECA

Approval No: 8921-7H2KLY
Project Type: Municipal and Private Sewage Works
Date: 9/4/2008 9:29:03 AM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/1689-7E5JYJ-14.pdf>
Full Address:

Site: **South Nepean Development Corporation**
Rideau Front Ottawa ON K7R 7Y2

Database:
ECA

Approval No: 5063-7E9PL8
Project Type: Municipal Drinking Water Systems
Date: 5/6/2008 2:11:26 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL:
Full Address:

Site: **WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA**
ON

Database:
ECA

Approval No: R-003-3534187580
Project Type: Heating System
Date: 2015-10-26
Status: Registered
Longitude:
Latitude:

Record Type:**PDF URL:**<http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2017482>**Full Address:**

Site: *South Nepean Development Corporation
Ottawa ON K1P 0B6***Database:**
ECA

Approval No: 9472-823Q7E
Project Type: Municipal and Private Sewage Works
Date: 1/29/2010 11:37:47 AM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/1781-7YHPPP-14.pdf>
Full Address:

Site: *South Nepean Development Corporation
Ottawa ON K1P 0B6***Database:**
ECA

Approval No: 4449-7XVU9J
Project Type: Municipal and Private Sewage Works
Date: 11/18/2009 9:16:17 AM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/3074-7XRQV2-14.pdf>
Full Address:

Site: *WAL-MART CANADA CORP/LA COMPAGNIE WAL-MART DU CANADA
ON***Database:**
ECA

Approval No: R-003-4538650974
Project Type: Heating System
Date: 2015-11-12
Status: Registered
Longitude:
Latitude:
Record Type:
PDF URL: <http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2017799>
Full Address:

Site: *City of Ottawa
Part of Lot 15, Gore Junction Ottawa ON K2G 6J8***Database:**
ECA

Approval No: 5759-6BUQTB
Project Type: Air
Date: 5/16/2005 1:06:23 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/4860-69FSV9-14.pdf>
Full Address:

Site: *Shell Canada Products Ltd.Don Mills Division
Lot 16 City of Nepean ON***Database:**
PTTW

Year: 1996
EBR Registry No.: IA6E0942
Ministry Reference Number:

Notice Type: Instrument
Instrument Type: OWRA s. 34 - Permit to take water
Proposal Date: 7/3/96
Location: City of Nepean
Proponent Address: Shell Canada Products Ltd.Don Mills Division,75 Wynford Drive,Don Mills, Ontario, M3C 2Z4
Notice Date:

Site: **Geo. W. Drummond Excavating Inc<UNOFFICIAL>**
Strandherd Dr and Temporary Ottawa ON

Database:
SPL

Ref No: 6067-6EASVT
Contaminant Code:
Contaminant Name: DIESEL FUEL
Contaminant Quantity: unknown L
Incident Cause: Overturn - Truck Or Trailer
Incident Dt: 7/14/2005
Incident Reason:
Incident Summary: Ottawa: MVA 300 L diesel to road, cleaning
MOE Reported Dt: 7/14/2005
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class: Spills to Highways (usually highway accidents)
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

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

AGR

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-May 2017

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-May 2017

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-Jul 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-Jul 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-Jul 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

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

Government Publication Date: Dec 31, 2016

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: Jun 2000-Mar 2017

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-Jun 2017

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-May 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-Jul 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-Jul 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: 1986-2016

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 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-May 2017

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Feb 2017

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 ERI'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: Mar 31, 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 ERI'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.

APPENDIX C –DOCUMENTATION OF INTERVIEW



Phase I ESA Documentation of Interviews

a) Client

Date, Time and Duration of Interview:	August 26, 2017 for two hours	
Method and Place of Interview:	By telephone.	
Name of Person:	Bliss Edwards	
Reason for Person Selection:	Person with detailed knowledge of current site activities.	
Key Questions:		Answers:
1.	Have a Phase I ESA, Phase II ESA and/or other reports been previously conducted for the Site, when, and are they available for review?	No
2.	What is (was) the main current (past) activity conducted at the Site? Since when?	No
3.	Was there any construction activity conducted at the site in the past years?	No
4.	Are there any company records available for review, such as: site plans, process control diagrams, utility drawings, inventory of chemicals, MSDS, waste management records?	No
5.	Do you have knowledge of any current or former underground or aboveground storage tanks, and their location at the site?	No
6.	Are there any spill reporting and emergency response plans, asbestos surveys and C of A available?	No
7.	Do you have knowledge of any activities and events occurred at neighboring properties that may have affected their environmental condition?	No

